

Sanjay Gandhi Post Graduate Institute of Medical Sciences



Annual Report 2011-2012

Lucknow. India

ANNUAL REPORT 2011-2012



Sanjay Gandhi Postgraduate Institute of Medical Sciences,
Lucknow, UP. India

Designed & printed by:
Alpana Arts
Lucknow / Delhi
Email: design@alpanaarts.com

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Director's Address

I feel privileged to present before you the Annual Report of our Institute for the year 2011-2012. Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow has emerged as the premier medical Institute providing high quality Medical services and Research activities on the national and international medical arena.



During the year 2011-2012, there has been a tremendous growth and expansion in the Institute which is documented and read out in each Department's Report printed herein. The PMSSY wing has been activated where in the department of Pulmonary Medicine, Pediatric Surgery, Plastic Surgery, Molecular Medicine, and Reproductive Health were established. Thirty one broad and super specialty courses in area of Medical and Surgical, Laboratory services and Radiation sciences were rolled out during the year in the Institute. 643 nos beds along with 110 nos ICU/HDU/MICU beds along with 137 Nos, other beds 30 emergency beds totaling to 920 beds were made available in the hospital. 103 renal transplants were performed in this year 2011. The upcoming Trauma Centre of SGPGIMS level III has been initiated by the Ministry of Health and Family Welfare, Govt. of India. The institute has been recently being made the nodal centre for the national organ procurement and transplant network. IGNOU and Ministry of the Health Govt. of India has appointed SGPGIMS as a programme study centre for their certificate course in Dialysis management. The Central Govt. has also proposed to setup Paramedical Training Centre at the institute shortly. Free bus services for patients and their attends from main gate to OPD and back have been started, ATM of State Bank of India have been installed at two places in the Institute campus. A major facility which was extended to the patients this year was the provision of paying the bills through Debit/Credit cards which was a very felt need of the patients. Rogi Mitras were appointed in the OPD for helping/guiding/assisting patients in the hospital free of cost. Many volunteers turned up to offer their services as Rogi Mitras on honorary basis.

SGPGIMS has been ranked 7th among the Indian Universities for their research output and quality using new performance index. It is ranked first in Medical institution all over India.



The Ministry of Health & Family Welfare, Govt. of India granted corpus of Rs.50.0 lacs for patients Below Poverty Line. Cancer aid Funds corpus of Rs.10 lacs also provided by the Ministry. The Kamdhenu Ati Nirdhan Sahayata Samiti which was established with Rs.1 core aid from State Govt had current corpus of Rs.17.75 crores mainly supported from the HRF profits. More than 1200 patients have been benefited by the society this year. Active ongoing projects nearing completion are the Centre for hepatic-biliary diseases and transplantation, hematology and stem cell transplant, Animal house, Library building and lecture theatre complex, Trauma centre and the college of Technology.

I have full hope that the Institute will scale newer heights and set new benchmarks for others to follow. There needs to be a concerted effort on the part of faculty members, Resident doctors, Research Scholars, Officers, staff and other employees together in providing the services of high quality patient care. The Central and State Government would continue to support us monetarily in carrying out the developmental activities of the Institute and for their maintenance and progress.

I, on behalf of the Institute, invite the medical and paramedical fraternity globally to visit our Institute and join us in providing high quality patient care and research activities.

With best wishes



Prof. RK Sharma
Director

From the Editor's Desk

Sanjay Gandhi Postgraduate Institute of Medical Sciences was established as a State University by an Act of Uttar Pradesh State Legislature in 1983. Since its inception, the Institute is providing high quality patient care, teaching, training and research. I feel privileged to present before you the major highlights of the year 2011-2012 in this Annual Report.



Patient Care: A total of 921 beds of different specialties including 110 intensive care unit/ high dependency unit beds, 535 General beds in the Wards, 108 Private beds in the Wards, 137 floating beds have been activated. Total 20 operation theatres with state of the art facilities are fully functional. During the year the brief statistics of patient care activities are as follows:

New Registrations	78,360
Follow-up patients	2,90,260
Patients Discharged	34,887
Bed Occupancy rate	77%
Operations done	2,38,476
Kidney transplant	118
CAPD	91
Open heart surgery	393
MRI Investigation	8686 patients
Hemodialysis	18,526 patients
Coronary Angioplasty	2170
Different Investigations	24,27,861

Academic: Total 109 students were enrolled during the year: DM-21, MCh-47, PDCC-30, and PhD-11. Degrees awarded to students in different categories: DM-12, MCh-33, PDCC-25, and PhD-9.

Research: The different departments received 17 extramural research grants of Rs. 7,07,76,411.00 in the year 2011 from various National and International Agencies; 9 intramural grants of Rs 24,01,350.00 were given to the young faculty members to

conduct pilot studies in order to generate research grants from external sources. The Institute ranked 7th among all the Indian Universities on account of research publications by current science survey.

Awards: A large number of faculty members received various prestigious National and International awards and were nominated as experts in various National and International Bodies including WHO, International Atomic Energy Agency (Vienna) etc. that has been highlighted under each academic department.

Other Unique Activities: The Institute has the following unique innovations and facilities introduced for the first time in a public sector:

- The patient care activities are computerized through Hospital Information System.
- Quality drugs and consumables are provided to all the admitted patients at bed side round the clock through Hospital Revolving Fund at reduced rate as compared to market.
- Laboratory consumables, diagnostics kits etc are provided to the different departments through Investigation Revolving Fund in most efficient and

cost effective manner on the principle of self sustainability and accountability.

- The Kandhenu Ati Nirdhan Chikitsa Sahayta Society provides financial support to the poor and needy patients below the poverty line.

The Institute is committed to quality patient care in the field of modern medicine. The research grants of more than 7 crores generated in the year speak about the dedication of the faculty. All the above achievements were possible because of the whole hearted support by the Government of Uttar Pradesh. The Editorial Board is

grateful to the President, and the Director of the Institute for their guidance and advice received from time to time. I whole heartedly acknowledge the support that I received from all members of my editorial team in publishing this annual report. I congratulate all the faculty members, officers, employees and students of the Institute for yet another highly successful year.

Prof. Kashi Nath Prasad
Executive Registrar and Editor

Editorial Committee

Prof. R.K. Sharma, Director	Patron
Dr. K. N. Prasad	Editor
Dr. S. K. Yaccha	Member
Dr. C. M. Pandey	Member
Dr. Manoj Jain	Member
Mr. Sunil Shishoo	Member
Dr. R. P. Singh	Member

Department of Anaesthesiology

Faculty

PK Singh

S Singh
 Anil Agarwal
 KC Pant
 SP Ambesh
 P Tewari
 M Tripathi
 S Srivastava
 Sanjay Dhiraaj
 Devendra Gupta
 Puneet Goyal
 Aruna Bharti
 Sandeep Sahu
 Kamal Kishore

Professor & Head

Professor
 Professor
 Professor
 Professor
 Professor
 Professor
 Professor
 Additional Professor
 Associate Professor
 Associate Professor
 Assistant Professor
 Assistant Professor
 Assistant Professor

Resident/Student

Senior Resident	30
PDCC	8
Junior Resident	7

Departmental Activities

Services

Surgical procedures done	5938
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Other Tests and Procedures

Pulmonary function Test	1214
Acute pain service	1948
Anesthesia services performed outside the Operation Theatre like Cardiac cauterization lab, Interventional Radiology (DSA, PTBD, MRI), Radiotherapy, etc.	640
Chronic Pain Service	1045
Pre Anaesthesia Check Up	1700

Teaching and Training

Seminar	Twice a week
Journal Club	Twice a week
Audit	Every Saturday

Honours & Awards

Shashi Srivastava

- Awarded Best paper of category (Ambulatory anesthesia) and best of meeting finalist, on presentation of research paper “the minimum effective dose of dexamethasone in combination with midazolam in patients undergoing laproscopic cholecystectomy for prevention of post operative nausea and vomiting” in the Annual meeting of international Anesthesia Research Society(IARS) held in Boston, Massachusetts, USA from 17th to 21st May, 2012.

Sandeep Sahu

- Awarded International Association Hospice Palliative Care Travelling fellowship for attending CCPPM, Certificate course in pain and palliative medicine under Prof MR RAJAGOPALA from Trivandrum Institute of Medical Sciences, WHO recognized center in India

- Awarded FACEE, Fellowship in Emergency Medicine under auspice of INDUSEM ,Indo-US program for development of Emergency Medicine in India
- for 'Adopt a delegate scheme-2011" of Emergency Medicine Society of South Africa (EMSAA) to attend EMSAA – 2011 Conference
- Awarded DST International Travel Grant- 2011 to attend EMSAA- 2011 conference, 15-17 Nov 2011, Cape Town, South Africa
- Selected for NeusPIG ,Neuropathic Pain school, by International association of study of pain(IASP)

Conference Presentation

Sandeep Sahu

- Attended as Invited SARRC country delegate “ 28th Annual Scientific Sessions of College of Anaesthesiologist of Sri Lanka 19-24th Jan 2012
- Invited speaker for talk on Obstetric critical care, 13th National conference of Nepal society of obstetrician and Gynaecologist (NESOG) 30-31 March 2012, BPKM Cancer Hospital, Chitwan, Nepal

Department of Biostatistics & Health Informatics

Faculty

CM Pandey
Uttam Singh

Professor and Head
Associate Professor

Officers

Lt Col Ajay Gupta	Senior Systems Analyst
AK Sarkar	System Analyst
Raj Seth	Programmer CDP
Arun Srivastava	Programmer CDP

Departmental Activities

Academic Programs

The department offers the following programs :

PhD (Doctor of Philosophy): For Individuals, who wish to prepare themselves to become leading Biostatistics researchers in academia, industry or national and international health systems.

Fellowship Program: The department has a three years fellowship program in Biostatistics for outstanding individuals, who wish to gain professional experience in Biostatistical theory and methods. People with a good foundation in the theory of statistics, and with demonstrated interest and ability for collaborative research on the statistical aspects of biomedical problems, currently have ample job opportunities in governmental, industrial, and medical center settings. This program combines the strong program in theoretical and applied statistics & health science, and with consulting experience with medical researchers

The admission to these programs is made through National Entrance tests conducted by CSIR,UGC ,ICMR and own test by SGPGI.

Services

The department manages Hospital Information system for patient care.

Teaching and Training

The department conducts a regular teaching and training program in Biostatistics for DM, MCh MD and PhD students of the Institute. This is a compulsory course for all students seeking admission to this Institute.

Hospital Information System

Hospital Information System (HIS) is being managed in the entire hospital for management of patient care activities. The system is implemented on Sun Solaris platform and Oracle database. A campus wide network of about 700 nodes has been established to cater patient care and research activities. The up-gradation process is currently going on and is expected to be completed soon. The patient care charges could be deposited using e-banking systems, credit or debit cards. The registration card will have option of patients photograph and patients will have option to get their portable health records on a Smart Health Card.

AK Sarkar

HIS is being efficiently managed by him with the help of skeletal staff. The jobs being looked after him are as follows :

- Database Administration;
- Regular backup and check-up of Server;
- Management of all Masters;
- Users Management (HIS/Email);
- Day-to-Day problem solving related to patients billing, procedures, HRF, etc.;
- Web/Proxy & Email server trouble shooting;
- ADSL Maintenance;

Raj Seth

- Managing the network operations under the hospital upgradation programme.

Arun Srivastava

- Maintenance of the entire computer systems along with the peripherals hooked on hospital network and problems related to HIS software is being efficiently managed and looked after by him under his able leadership. The Maintenance team consisting of qualified Data Entry Operators are working efficiently and with responsibility under him. In addition, the Annual Report of the Institute is another task efficiently handled by him.

Department of Cardiology

Faculty			
PK Goel		Professor	
	Aditya Kapoor	Professor	
	Satyendra Tewari	Additional Professor	
	Naveen Garg	Additional Professor	
	Sudeep Kumar	Assistant Professor	

Residents/Students		Cath studies With Angio	71
DM Students	16	Cath studies Without Angio	10
Departmental Activities		Coronary Angioplasty	1250
Patient Care Services		PTA Renal	6
OPD		PTA Carotid	3
Follow-up	22690	PTA Others	11
New Registration	9098	Mitral Valve Balloon Dilatation	408
Admission		Pulmonary Valve Balloon Dilatation	7
MICU	1437	Aortic Valve Balloon Dilatation	2
WARD	3485	Permanent Pacemakers	287
Investigations		PDA Closure	8
Name	Total	Ductul Closure	20
ECG	21216	ASD Closure	10
Echocardiography	16302	EP Study	2
Treadmill Stress Test	1420	RSOV Closure	2
Holter monitoring	163	RF Ablation	35
Coronary Angiography	2170	Rota	1

Stem Cell Implantation

Coil Embolisation	2
Abdominal Aortic Aneurysm	1
Loop	2
Coarctation of Aorta	1

Honors and Awards**PK Goel**

- Presented Dr RK Jalota oration of IMA Kanpur on "Journey of Interventional Cardiology Past, Present and Future" on 4th Sept 2011.

Satyendra Tewari

- Awarded Fellowship of European Society of Cardiology in August 2011 in Paris (France).

Naveen Garg

- Selected for "Best of ESC 2012 Award" by the "European Society of Cardiology" for the best research work submitted from ESC affiliated cardiac societies. It is to be awarded in ESC 2012 to be held in Munich, Germany in August 2012.
- Case selected for "Natasha Pandian Case Evaluation International Competition" of "World Congress of Cardiology, Echocardiography and other Allied Imaging 2011". Presented by department Senior Resident Dr. Nagraj Moorthi and was declared Runner-up Winner.

Visiting Scientists

- Dr Alfredo Galassi from Italy visited the department during Nov 2011 and conducted workshop on CTO for two days.
- Profesoor Ashish Pershad –came for Sting Ray Technique of CTO Intervention on 20th -21st Feb 2012

Conference Presentation**International****PK Goel**

- 60th American College of Cardiology session 2011 from 2nd -5th April 2011 in New Orleans, Louisiana, USA and delivered two talks-
- During "Meet the expert's session" on Complications during PCI presented case entitled "Sterile Glue Injection for Recurrent Cardiac Tamponade post PCI".
- Talk on "Local Innovative Therapies in Heart Failure" During combined session of ACC and CSI.
- Euro PCR 2011 from 17th-20th May in Paris, Palais des Congres with presentation on "The Nightmare of Donor Artery Closure not once but Twice during Retrograde Technique".
- Complex Cardiovascular Catheter Therapeutics from 26th -30th June 2011 at Rosen Shingle Creek, Orlando, Florida and conducted three sessions on CTO including a presentation on "Complex CTO cases".

- TCT 2011 Nov 7-11th presented a poster on unique case of Hybrid Antegrade and Reterograde procedure for a Cx CTO.
- First European retrograde CTO summit . Invited as Guest Faculty at Catania March 30-31, 2012. Showcased inbox case of retrograde CTO technique.

Satyendra Tewari

- Invited as a case presenter during ESC Congress 2011 at Stockholm (Sweden) - August 2010: and presented paper entitled "Potential Effects of Apolipoprotein B100, Lipoprotein (a) and Angiotensin Converting Enzyme gene polymorphism in Coronary Artery Disease in Indians."

Naveen Garg

- Invited by "Euro PCR 2011" to present an interesting case "An aborted stent complication".
- Stem cell therapy in acute myocardial infarction.

Sudeep Kumar

- Patterns and determinants of dyslipidaemia in "young" versus "not so young" patients of CAD in north Indian, Presented in 16th World Congress On Heart Disease, Vancouver, Canada, July, 2011.
- Isolated low high density lipoprotein cholesterol in Indians: a comparative drug trial Accepted In 16th World Congress On Heart Disease, Vancouver, Canada, July 2011
- Efficacy and safety of nebivolol in patients with chronic stable angina in comparison to Metoprolol Accepted In 16th World Congress On Heart Disease Vancouver, Canada, July 2011
- Polymer free sirolimus eluting stent in combination with other stents in same patient- a single centre experience Accepted In 16th World Congress On Heart Disease, Vancouver, Canada, July 2011

National**PK Goel**

- Invited as national Faculty in Radial Blitz 2011 in Delhi from 16th – 17th Sept 2011 and delivered a talk on "Tips and Tricks to Radial Approach in Coronary Intervention".
- Invited as Faculty in 63rd Annual Conference Cardiological Society of India held in Mumbai from 8th – 11th Dec 2011 and delivered a talk on " CTO-Tips & Tricks".
- Invited as Faculty in UPCS- CARDICON 2012 held in Allahabad on 5th Feb 2012 and delivered a talks on (1) All patients of AC should be subjected to CAG. (2) Nightmares in cathlab.

Live Transmission

- Live case transmission of successful CTO case to National PTCA registry on 14th April 2011 in Delhi from SGPGI, Lucknow.
- Live case transmission of two complex CTO cases including thrombotic lesion cases to Eastern India Interventional Cardiology Conclave (EIICCON) on 18th June 2011 in Kolkata from SGPGI, Lucknow.

- Live transmission to Society of Cardiac Interventions meeting at Kolkatta on 16_17Th july from Medica Superspeciality hospital Kolkatta and Apollo Gleneagles hospital Kolkatta
- Live transmission of CTO case from SGPGI, Lucknow to Hyderabad at ATCVSI meet on 20th Aug 2011.
- Live transmission of CTO case during CTO conclave at "India Live" meeting in New Delhi from SGPGI cath lab , Lucknow on 23rd Feb 2012.

Aditya Kapoor

- Invited as guest Faculty and delivered a talk "Advances in Cardiac Pacing " at UP CSI meeting held in Allahabad in Feb 2012.
- Invited as guest faculty for India Live 2012 and delivered a talk during complex coronary session in Mumbai Feb 2012.
- Invited as guest faculty at ISECON – Jaipur and delivered a talk on Heart Failure with normal ejection fraction & ECG Teaching Course in Feb 2012.

Naveen Garg

- Guest faculty in National interventional Council Meeting 2011, New Delhi (NICM 2011) -Chaired a session
- Guest faculty in India Live 2011, Mumbai –Panelist in a session
- Guest faculty in ACVS 2011, Hyderabad- Chaired a session
- ICCON -2010, Bangalore: Delivered talk on "Stent deployment issues".

Sudeep Kumar

- Invited faculty in Annual conference of CSI in Dec 2012 and chaired a session
- Invited faculty in Annual conference of NICM in April 2012 for chairing the session and also delivered a lecture.

Outstanding Features & Summary

- Department is amongst the top 10 largest volume centres in the country for coronary interventions today with over 1400 angioplasties done in the year 2010.
- Department conducted several CTO workshop during the last one year and has been the first to start retrograde technique in opening CTO's in the country.
- Department has been recognised as a live case transmission centre both national & international with three live transmission of complex cases in last quarter for the first time in its history.
- Largest multicentric trial on stem cell injection in post MI patients, sponsored by DBT completed with major contributions from Department of Cardiology, SGPGI.

Future Plans

- Department plans to develop sub specialty of Electrophysiology, Pediatric Cardiology and Cardiac imaging in addition to the expertise in interventional cardiology.
- Providing Round the clock Acute Heart Attack care with the help of fully loaded ambulance services provided by SGPGI.
- Plans to start percutaneous Aortic Valve Replacement programe as time goes.

Department of Cardiovascular & Thoracic Surgery

Faculty

NK Gupta

SK Agarwal

S Pande

G Majumdar

B Chandra

Professor & Head

Additional Professor

Additional Professor

Associate Professor

Associate Professor

Resident/Students

DM/MCh. Students 03

Departmental Activities

Services

Patient Care

OPD registrations

New Patients 943

Old Patients 20389

Admissions in CVTS Ward 903

Admissions in ICU 724

Operations

Open Heart Surgery 393

Close Cases 272

Total 665

Teaching and Training

Daily 1 hour (8:00AM-9:00 AM) formal teaching session in form of seminars, journal clubs, case presentation, project discussions etc. On Saturday, after Combing Grand round, we have a combined cath-meeting with department of Cardiology, which lasts for about 2 hours. Apart from this, daily morning rounds in Ward & ICU are taken with post-graduate students and residents and bedside teaching is imparted. A continuous teaching and training taken place in operation theatre, during surgical procedures. The department takes two MCh students every years and the course is recognized by MCI. We also take hospital service senior residents who participate in all teaching activities of the department. The department also organizes teaching and training sessions for paramedical staff and nurses.

Honors and Awards

Referee/Reviewer of a Journal

SK Agarwal

- Indian J. of Medical Research
- National Medical journal of India
- Asian J of Transfusion Medicine

S Pande

- International Journal of Cardiology
- Asian Cardiovascular and Thoracic surgery

Conference Presentation

NK Gupta

National

- Delivered a lecture on "Mitral Valve Replacement with LA Reduction" at Pushpanjali Institute of Cardiac Sciences, Ghaziabad on 26.07.11
- Workshop at Fortis MICS Fortis Escort Hospital, Jaipur on 3.9.11 & 4.9.11.
- Attended Fortis Global CVTS Conference 2011 at Chandigarh on 25.11.11 & 26.11.11.
- Attended IACTS 2012 at Kolkata from 8.02.12 to 12.2.12.

International

- Attended 11th Intensive Mitral Valve Repair Program at Bangkok, Thailand from 25.04.11 to 29.04.2011.
- Attended Asia Pacific Venous Thrombo-embolism Expert Forum at Singapore on 31.07.11.

Department of Critical Care Medicine

Faculty

AK Baronia

Banani Poddar

Afzal Azim

RK Singh

Mohan Gurjar

Professor

Additional Professor

Associate Professor

Associate Professor

Assistant Professor (Ad-hoc)

Residents

PDCC 04

HSSR 08

Departmental Activities⁰

Services

The Department runs only IPD and outreach services

IPD services

Patients admitted 282

Details of life support therapies and procedures instituted in CCM-ICU :

Type of life support therapies and procedures	Yearly figures
---	----------------

Resuscitation of septic shock 252

Mechanical lung ventilation <7 days 22

Mechanical lung ventilation 1-3 weeks 165

Mechanical lung ventilation >3 weeks 53

Central Venous Catheterisation 530

Intra-arterial Catheterisation 310

Pulmonary Artery Catheterisation 18

Endotracheal Intubation 240

Percutaneous Tracheostomy 110

Renal Replacement Therapy 480

Video Bronchoscopy 40

Outreach services rendered to other wards :

Nature of outreach services	Yearly figures
-----------------------------	----------------

Organ failure assessment and management 780

Follow-up of critically sick patients in other wards 530

Cardiopulmonary Resuscitation 80

Placement of Central Venous Catheter 510

Endotracheal Intubation besides CPR 240

Triage and wait listing of patients from other wards 340

Triage and wait listing of patients from other hospitals 225

Teaching and Training

PDCC trainees	04
HSSR trainees	08
Long term sponsored trainees	01
Clinical Observership	02

Honours and Awards

Mohan Gurjar

- Honorary Fellowship (FICCM) by 'The Indian College of Critical Care Medicine' at 18th Annual conference of Indian Society of Critical Care Medicine (ISCCM), Pune, Feb 2012.

Member of the Editorial Committee

AK Baronia

- Anaesthesia Update (UP Chapter).
- Critical Care Update, Weastmead Hospital, Sydney, Australia.

Referee/Reviewer of a Journal

AK Baronia

- Indian Journal of Anaesthesia
- Indian Journal of Critical Care Medicine
- Banani Poddar
- Indian Pediatrics

Afzal Azim

- Journal of Anesthesiology and Clinical Pharmacology
- HSR proceedings in Intensive Care and Cardiovascular Anesthesia
- Journal of Laboratory Physicians
- National Journal of Maxillofacial surgery

Mohan Gurjar

- Indian Journal of Critical Care Medicine
- International Journal of Case Report and Images
- Indian Journal of Gastroenterology
- Indian Paediatric
- PLoS ONE
- Journal of Emergency Trauma and Shock
- Respiratory Care
- International Journal of Critical Illness and Injury Sciences
- Journal of Pulmonary and Respiratory Medicine

Conferences Presentations and Guest Lectures

AK Baronia

- Guest Lecture on "Life threatening Infection – Antibiotic Selection" - 62nd FCCS Provider and Instructor Course, 17-18 March 2012, Regency Hospital, Kanpur.

- Guest Lecture on "Pitfalls in diagnosing sepsis in immunocompromised host and role of empirical antifungal therapy" – 3rd Annual Gujarat Critical Care Congress (GCC 2012) on 10-11 March 2012, Ahmedabad.
- Guest Lecture on "Patient-Ventilatory asynchrony" - 18th Annual Congress of the Indian Society of Critical Care Medicine & International Critical Care Congress 2012 (CRITICARE 2012), 15-19 February, Pune
- Guest Lecture on "Arterial Blood Gas Interpretation" - 18th Annual Congress of the Indian Society of Critical Care Medicine & International Critical Care Congress 2012 (CRITICARE 2012), 15-19 February, Pune
- Guest Lecture on "Beta Lactamase Inhibitors - Update 2012" - 18th Annual Congress of the Indian Society of Critical Care Medicine & International Critical Care Congress 2012 (CRITICARE 2012), 15-19 February, Pune
- Guest Lecture on "Critical Care Medicine - An Insider's Perspective" – 42 nd Annual Conference of Indian Medical Association Tripura State Branch "TRIMAICON - 2012" 10th – 12th February, Agartala, Tripura.
- "Chairman – CME on non-Invasive Ventilation" – ISCCM Lucknow Chapter, 28 February 2012, Lucknow
- Guest Lecture on "Noninvasive ventilation in the perioperative period" - ISACON 2011, 59th Annual National Conference of the Indian Society of Anaesthesiologists, Grand Hyatt Hotel, Mumbai, December 26-29, 2011
- Guest Lecture on "Transport of the critically ill patient" - ISACON 2011, 59th Annual National Conference of the Indian Society of Anaesthesiologists (Focus Session), Grand Hyatt Hotel, Mumbai, December 26-29, 2011
- Guest Lecture on "Invasive Fungal Infections in ICU – Risk Stratification" – Medicine Update 2011, 30 September – 02 October 2011, Department of General Medicine, Shri Ram Murti Smarak Institute of Medical Sciences, Bareilly (U.P.) INDIA
- Guest Lecture on "Important Papers You Should Read" – 09th Annual Conference of ISCCM (Delhi and NCR Chapter), 19-21 August 2011
- Guest Lecture on "Haemodynamic Monitoring in ICU" - 2nd Annual Conference of Indian Society of Critical Care Medicine Uttar Pradesh & Uttrakhand Chapter, 3-4 September 2011, Hotel ITC The Mughal, Fatehabad Road, Agra
- Guest Lecture on "Rational use of Antibiotics: Combination Antibiotic Therapy in ICU" - Trans Border Meet on Infections Update in Critical Care, 5-7 August 2011, Kuala Lumpur
- Guest Lecture on "Refractory Hypoxemia" – 14-15 May 2011, Lucknow Airway Conference 2011, Department of Anaesthesiology, CSMMU, Lucknow.
- Guest Lecture on "Risk Assessment in Systemic Fungal Infections" – 30th April 2011, CME - ISCCM, Bareilly Chapter, IMA Hall, Bareilly
- Lead Discussant for "Risk Factors for Mucormycosis" at the meeting of Fungal Working Group of India (FWGI) steering committee on 3rd – 4rd March 2012 at Mumbai
- Guest Faculty and Panelist at the 1st International Congress on Future of Critical Care Medicine (FCCM) on 12th – 13th January, 2012 at Cebu, Philippines

- Chair the session in Paediatric CME on 24th September, 2011 in SGPGIMS, Lucknow

Banani Poddar

- Instructor at PALS provider courses: 2 (Lucknow: May 2011, Varanasi: July 2011)
- Lecture on 'ARDS: Pathophysiology and Management'; PIC chapter of IAP, Lucknow branch: April 2011

Afzal Azim

- Guest lecture on "Post-anesthesia care unit- Patient safety" organized by Jullundur Branch of ISA –PAMCON 2012 on 4th March 2012
- Guest lecture on "Acute pain management in intensive care unit" in CME and Pain management update organized by CSMMU-Lucknow -3rd March 2012
- Guest lecture on "Bundle care for HAI" in CME organized by ACE (Acute and Critical Care Forum) Jaipur - 4th Feb 2012
- Guest lecture on "NIV- Best practices" organized by ISCCM-Kanpur branch, IAP and Kanpur chest physicians 10th Dec 2011
- Guest lecture on "Immunomodulators in critical illness" at ICACON 2011 organised by Uttarkhand Branch of ISA-Dehradun 19-20 Nov 2011
- Guest lecture on "Care of Critically ill" at CME organized by IMA-Barabanki branch 28th Aug 2011
- Guest lecture in ISACON-CME(Workshop) at BRD Medical college Gorakhpur on "Initiation and weaning from mechanical ventilation", 12th June 2011
- Chair person for "Intensive care: Who needs it? CME organized by Ajanta Multispecialty Hospital, Lucknow 2011.
- Guest lecture on "Infection control" in CME organized by Ajanta Multispecialty Hospital, Lucknow May 2011.

RK Singh

- IX National Conference of Society for Indian Human and Animal Mycologists (SIHAM)-2012, 10-12th February, Siliguri, West Bengal.
- Presentation: "Candida Score": Fungal Infections in ICU.
- Chairperson: "Histoplasmosis in India"
- Instructor – FCCS at Regency Hospital, 17th to 18th March, Kanpur.
- Guest Lecture: "Empirical Antifungal Therapy in Non-neutropenic critically ill ICU patient" Command Hospital, 20th March, Lucknow.
- Presentation: Clinical Nutrition Practices at my Institute: The 1st Hospital Nutrition Expert Forum Meeting, Hotel Trident, Mumbai, 17th to 18th December, 2011.
- Guest Lecture: "Early empiric antifungal therapy in the ICU. Who deserves it the most" Regional Expert Input Forum, New Delhi, 10th December, 2011.
- Guest Lecture: Ventilator Associated Pneumonia (VAP): Prevention to Treatment. Academy of Infection Management (AIM). Ajanta Hospital, Lucknow, 9th December, 2011.
- Guest Lecture "ACCP"- DVT Prophylaxis Certificate Programme. Hotel Radisson, Varanasi, 23rd October, 2011.

- Guest Lecture Ventilator Associated Pneumonia (VAP): Prevention to Treatment. Academy of Infection Management (AIM). Hotel Clarks, Varanasi, 22nd October, 2011.

- Instructor - FCCS, 9th Annual Conference of ISCCM-Delhi & NCR Chapter, 19th-21st August, 2011.
- Guest Lecture: "Risk Stratification and Diagnosis of Invasive Fungal infections in ICU" 2nd Annual conference of ISCCM-U.P & Uttarakhand Chapter at Agra on 2nd-4th September, 2011.
- Pediatric Critical Care CME and Workshop on Blood Gases on 24th & 25th September, 2011, Department of Critical Care Medicine, SGPGI, Lucknow
- "Chairperson"-Fluid Resuscitation in Dengue Shock Syndrome & Septic Shock.
- "Instructor" Workshop on Blood gases.
- Instructor - FCCS" at Himalayan Institute of Medical Sciences University, Dehradun, 1st& 2nd October, 2011.
- Instructor for the course on "Total Nutrition Therapy (TNT 3.0)" at Kanpur, Date 17th July, 2011.

Mohan Gurjar

- 'Workshop on percutaneous dilatational tracheostomy' at Perioperative Anesthesia and Medicine Conference 2012 (PAMCON 2012), by Patel Hospital and ISA Jalandhar branch, Jalandhar, 4th March 2012.
- 'Approach to a case with unknown poisoning' Pan Africa e-Network Project, SGPGIMS, Lucknow, 4th Oct 2011.
- Workshop on blood gases' SGPGIMS, Lucknow, 25th Sep 2011.
- Transport of critically ill patients' at Indian Medical Association, Barabanki, 28th August, 2011,

Workshop / Conferences Organized

Banani Poddar

- CME on Pediatric Critical care and Workshop on blood gases' SGPGIMS, Lucknow, September 2011

Afzal Azim

- Course Director for "Infection control course and ALERT programme" for Nursing staff SGPGIMS as a part of Patient Safety programme- February 2012
- Joint organizing secretary for CME on Pediatric Critical care and Workshop on ABG- September 2011
- Course coordinator of the organizing committee for Workshop on Hand Hygiene and Care Bundles for Nursing staff SGPGIMS as a part of Patient Safety programme- March-2011
- Workshop on Mechanical ventilation at BRD Medical College Gorakhpur on 12th June 2011

RK Singh

- Organized a two day workshop in "Ultrasonography in Critical Care" for senior residents and faculty of CCM.

Outstanding Features & Summary

- The department is running one year PDCC course for eight consecutive years and popularity of this course is increasing all over India continuously. Outreach services of the department have been strengthened by introducing organized “triage and outreach clinic” for the last one year. Outreach services cater to the needs of critically sick patients admitted out-side CCM-ICU. Department had contributed significantly towards strengthening of academics in the field of Critical Care Medicine at the level of Medical Council of India (MCI) and National Board of Examinations (NBE) in many ways. Following the most important ones:
- National Examination Centre for the CCM Fellowship Exit Examination of National Board of Examinations on 9th – 12th May, 2011
- CCM Fellowship Exit Examination Preparatory Course-2011 on 23rd to 24th November 2011 organised by NBE, New Delhi
- Member of Board of Speciality of Critical Care Medicine of MCI on 24th August, 2011 for finalise curriculum for DM in CCM
- Inspection of Tata Memorial Hospital, Mumbai and Institute of Liver and Biliary Sciences, N. Delhi for starting DM courses in CCM and Transplant Anesthesia & Critical Care, respectively.

- The request of the department and institute for inspection of the department for recognition to start DM course in Critical Care Medicine is pending before MCI. MCI inspection is likely to take place before May-June 2013.

Visiting Scientist

- Prof. Frank Shann, Visiting Professor and Member of the International Advisory Board of “The Lancet” visited the Department on 26-27 September 2011

Future Plans

- Patient care: Expansion from 12 ICU beds to 26 ICU beds and introduction of High Frequency Oscillation (HFO) Ventilation as a rescue therapy for extremely difficult ARDS patients
- Education: Starting the 3 year DM course in CCM.
- Research: Collaboration with other institutes.
- Educational collaboration with premier institutes of India and abroad.

Department of Endocrinology

Faculty

E Bhatia

MM Godbole

Vijayalakshmi Bhatia

Sushil Gupta

P Dabadghao

Subhash B Yadav

Professor & Head

Professor

Professor

Professor

Additional Professor

Additional Professor

Residents / Students

DM Students	8
Hospital Service Residents	1
PDCC (ped-endo)	1
Ph D	6

Departmental Activities

Patient Care Services

OPD

Old Follow-up	20058
New Registration	4134
Admissions	1778
Inpatient inter departmental consultations	2352

Investigations :

Endocrinology Lab	56076
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Teaching and Training

The DM and PhD endocrinology programs are in their 22nd year, and PDCC pediatric endocrinology in its 10th year.

Honors and Awards

Eesh Bhatia

- MMS Ahuja Oration of the Endocrine Society of India

MM Godbole

- Invited speaker International symposium on recent trends in neurosciences & XXIX Annual Conference of Indian Academy of Neurosciences, IAN 2011 New Delhi

V Bhatia

- JR Srivastava Oration of the Indian Academy of Pediatrics Kanpur Branch
- Invited plenary talk on "Rickets: The tip of the vitamin D deficiency iceberg" as well as a symposium talk on "Management of Rickets in children", at the 15th Child Health National Congress, Manado, Indonesia.
- Member National Committee / Task Force

MM Godbole

- Expert Committee, Life Sciences Research Board (LSRB), Defense Research Development Board, Government of India, New Delhi.
- Expert Committee on Life Sciences, Science and Engineering Research Board, Government of India, New Delhi.

V Bhatia

- Member of Project Review Group on Child Health, ICMR.
- Member of Department of Biotechnology Task Force on "Biotechnology based programs for women"
- Member of Editorial Committee

E Bhatia

National Medical Journal of India

Current Diabetes Reports

Referee/Reviewer of a Journal

E Bhatia

- Journal of Clinical Endocrinology and Metabolism, Diabetes Care, National Medical Journal of India

V Bhatia

- European Journal of Clinical Nutrition, Indian Pediatrics, Indian Journal of Pediatrics, National Medical Journal of India

Preeti Dabadghao

- Journal of Clinical Endocrinology and Metabolism, Indian Pediatrics, Indian Journal of Pediatrics, International Journal of Pediatric Endocrinology

MM Godbole

- Plos One, Int. J Developmental Neuroscience, Experimental Neurology, Ind J Med Res., Hormone and Metabolic Research, Archives of Medical Research

Workshop / Conferences Organized

MM Godbole and Subhash Yadav

- Organized training program for science students of class XI-XII from 7 rural schools in Tarai region of Uttar Pradesh in salt Iodine content sponsored by Department of Science and Technology, Government of India, New Delhi. In 10 days, 400 boys and girl students were trained to enhance Human Resource Development capacity building.
- Organized 2 day training program for USI Cell technical personnel and school science teachers from Tarai region of Uttar Pradesh in salt Iodine content sponsored by UNICEF-Department of Science and Technology, Government of India, New Delhi.

Outstanding Features & Summary

- New tests: Ionised calcium, IVA and body composition analysis by DEXA, Urine fluoride, RET oncogene mutation analysis, serum and urine HCG

Visiting Scientists

- Dr Margaret Zacharin, Associate professor, pediatric endocrinology, Royal Children's Hospital, Melbourne.
- Prof Ram K Menon, Director, Pediatric Endocrinology, University of Michigan, Ann Arbor.
- Dr. Yury Ladilov, Senior Scientist, Department of Clinical pharmacology, Rhur University, Bochum, Germany

Future Plans

- Molecular endocrinology testing laboratory

Department of Endocrine Surgery

Faculty

SK Mishra

AK Verma

Amit Agarwal

Gaurav Agarwal

Anjali Mishra

Gyan Chand

Professor and Head

Professor

Professor

Professor

Additional Professor

Associate Professor

Resident/Students

MCh Students 06

Observer 01

Departmental Activities

Services

Patient Care

OPD Registrations

New Patients 1913

Old Patients 8256

Admissions 1834

No. of Operations 777

Others Tests & procedures

Serum Thyroglobulin 132

Serum Calcitonin 46

Serum CA 15-3 54

Serum CA 125 23

Serum CEA 213

Urinary Iodine 236

Teaching and Training

We have structured MCh teaching and training programme the includes:

Journal Club 1st and 3rd Thursday

Seminar every Tuesday

Case presentation every Wednesday

Tumor board meeting every Monday

Inter departmental meetings

Endo –Nuclear Medicine every 1st Friday

Endo Radiology every 3rd Monday

Endo Radiotherapy every 2nd Thursday

Endo Pathology every 4th Thursday

Inter institutional meetings

Amrita Institute of Medical Sciences, Kochi every 2nd Friday

CMC, Vellore every 4th Wednesday

CGR as per the institute schedule

Daily Ward Round Teaching

Academic grand round	every Saturday
Teaching of the surgical skill in operation theatre	Monday to Friday
Department Research Forum	once every month
Residents Log Book Review	once
Residents Project Review	every 06 months
Mortality and morbidity	once a month.

Honors and Awards

SK Mishra

- President elect Telemedicine Society of India (TSI), 2012
- International Society of Surgery (Life Member).
- International Association of Endocrine Surgeons.
- American Association of Endocrine Surgeons (Corresponding member)
- Fellow, American College of Surgeons.
- Indian Association of Endocrine Surgeons (Founding member).
- Association of Surgeons of India. (Life Member).
- Endocrine Society of India. (Life Member).
- Indian Breast Group. (Founding Member).
- Indian Association of Surgical Oncology. (Life Member).
- Indian Society of Gastroenterology. (Life Member)
- Indian Association of Surgical Gastroenterology. (Life Member).
- Indian Society of Bone & Mineral Research. (Founding Member).
- member of Telemedicine Society of India

Gaurav Agarwal

- Secretary Breast Surgery International (an affiliated society of ISS/SIC)
- Honorary Fellowship, International College of Laparoscopic Surgeons, Mar 2012.
- Dr SC Misra oration of the UP chapter of Association of Surgeons of India, Nov 2011.
- Designated International Faculty of the "Breast Surgery International" (BSI)
- Member, WHO-ICMR expert panel- Breast cancer protocol development for India.
- Member, Expert committee- Breast health global initiative USA for breast cancer care protocols development for low and middle income countries
- UGC travel grant (2011) for podium presentation at the 32nd Annual conference of American Association of Endocrine Surgeons, Houston TX USA.

Member of the Editorial Board / Editor of a Journal

Amit Agarwal

- Editor-in-chief: World Journal of Endocrine Surgery
- British Transplantation Society
- Indian Society of Organ Transplantation
- International College of Surgeons, Indian Section
- Association of surgeons of India
- Indian Society of Bone and mineral Research
- International Society of Surgery
- International Association of Endocrine Surgery
- UICC
- Indian Breast Group
- Indian Society of Telemedicine
- World Journal of Surgery
- Indian Journal of Surgery
- Indian Journal of Medical Research

Gaurav Agarwal

- "World Journal of Surgery"
- "Case Reports in Medicine"
- "Journal of Society for Wound Care Research"
- "Schwartz Text-book of Surgery"
- Tree of medicine (Sentinel Node)
- AccessSurgery.com (McGraw Hill)
- Referee / Reviewer of a Journal
- J of Clinical Endocrinology Metabolism
- Surgery (Elsevier, St Louis)
- World Journal of Surgery
- Journal of Endocrinological Investigations
- Endocrine Practice
- Annals of Oncology
- Hormones
- Journal of Cancer Research & Therapeutics
- Archives (Singapore Academy of Medicine)
- Case reports in Medicine
- Indian Journal of Surgery
- Indian Journal of Surgical Oncology
- Reviewed projects submitted for funding to:
 - Medical Research Council, UK
 - Indian Council of Medical Research
 - Council for Scientific & Industrial Research

Anjali Mishra

- Reviewed articles for the "Journal of Pancreas"

Gyan Chand

- Joint Secretary UP ASI
- International Society of Surgery (Life Member).

- Breast Surgeons International. (Life Member).
- Indian Association of Endocrine Surgeons (Founding member).
- Association of Surgeons of India. (Life Member).
- Indian Association of Surgical Oncology. (Life Member).
- Indian Society of Bone & Mineral Research. (Founding Member).
- Indian association of Surgical Oncology
- Indian association of Minimal access Surgeons. (Life Member).
- Indian Medical Association . (Life Member).

Conference Presentation

SK Mishra

- Mishra Saroj, Singh Indra Pratap, Repu Daman, Kapoor Pankaj. m-Health Tool Kit for Low Resource Countries Med-e-Tel 2011 conference; Luxembourg; 6-8 April 2011
- Agarwal Ritesh, Gyan Chand, Mishra Anjali, Agarwal Gaurav, Agarwal Amit, Verma A.K, Mishra S.K. Role of Telemedicine Technology in Endocrine Surgery: Knowledge Exchange 7th Annual National Conference of Association of Surgeon in India ASICON; Kochi, Kerala; 25-30 December, 2011.
- Ritesh Agrawal, Gyan Chand, Anjali Mishra, Gaurav Agarwal, Amit Agarwal, AK Verma, SK Mishra An Audit of Decade long Telemedicine Technology application in Endocrine Surgery, Telemedicon 11, 7th International Conference of Telemedicine Society of India, Mumbai, 11-13 November 2011.
- Vijay Pal Singh¹, Repu Daman Chand¹, Indra Pratap Singh¹, S. K. Mishra, Telemedicon 11, Lesson learnt in managing Telemedicine Programme over a decade; 7th International Conference of Telemedicine Society of India, Mumbai, 11-13 November 2011.
- Repu Daman Chand, Sandeep Singh, Arvind Kumar, Indra Pratap Singh, S. K. Mishra, Telemedicon 11, SurgiPLEX: A model for surgical education using tele-presence concept 7th International Conference of Telemedicine Society of India, Mumbai, 11-13 November 2011.
- Indra Pratap Singh, Repu Daman, Saroj Kanta Mishra, Telemedicon 11, Affordable Tools & System for Enterprise Tele-Health Network- SGPGI Model; 7th International Conference of Telemedicine Society of India, Mumbai, 11-13 November 2011.

Amit Agarwal

- Clinico-pathological profile, airway management and outcome in huge multinodular goiters (>300 Grams): an institutional experience from an endemic goiter region. World congress of surgery/international surgical week Aug 2011, Yokohama, Japan.
- Unusual histopathological features in Hypercalcemic crisis. Poster presentation at the 32nd Annual meeting of American Association of Endocrine Surgeons, Houston, USA, April 2011.

Gaurav Agarwal

International:

- Oral free paper: "Biochemical bone turnover markers can predict bone metastases and are helpful in monitoring of therapy in breast cancer patients: Results of case-control study with long-term follow-up". At the 44th World Congress of surgery/ International surgical week 2011. Yokohama Japan Sept 2011.
- Oral free paper: "Cardio-vascular Dysfunction and Catecholamine Cardio-myopathy in Pheochromocytoma Patients and their Reversal Following Surgical Cure: Results of a Prospective Case-control Study". Podium presentation at the 32nd Annual meeting of American Association of Endocrine Surgeons, Houston, USA, April 2011.

National

- Panelist- Neo-adjuvant treatment for Breast cancer. 3rd Asian Breast Cancer Congress, Bangalore, March 2012.

Gyan Chand

- Prognostic evaluation of multiple variant of Papillary Thyroid Carcinoma in North India. An experience from a Tertiary Care Centre. 71st Annual Conference of The Association of Surgeons of India, 25-30 Dec, 2011 at Kochi.

Invited Lectures

SK Mishra

- Neuro-endocrine tumors of Pancreas- an enigma. 71st Annual Conference of The Association of Surgeons of India, 25-30 Dec, 2011, at Kochi,
- Pheochromocytoma. 71st Annual Conference of The Association of Surgeons of
- Endocrine Surgery Training in Asia Pacific region: 13th Asian Association of Endocrine Surgeons Congress 2012 held in Singapore from 26-28th March, 2012
- Creating Healthcare Accessibility through Mobile Technologies; S.K. Mishra; INDIA BIO 2012 Conference, Bangalore, 6-8 February 2012
- Capacity Building in e-Health medical education & introducing research in Translational health informatics in academic program of Medical & Science discipline: need of the hour; Mishra S.K., 99th Indian Science Congress, KIIT University Bhubaneswar, 3-7 January 2012
- e-Health in SAARC Context; S.K. Mishra, 3rd International e-Health Conference: road to national e-Health strategy for Pakistan ; Lahore, Pakistan, 21-22 January 2012
- SAARC Tele-health Network: Scope & Potential; S.K. Mishra, 3rd International e-Health Conference: road to national e-Health strategy for Pakistan; Lahore, Pakistan, 21-22 January 2012
- National Medical College Network; Mishra S.K., 7th International Conference of Telemedicine Society of India, Mumbai, 11-13 November 2011.
- m-Health Tool Kit for Low Resource Countries; UN/ Islamic Republic of Iran Regional Workshop on the use of Space Technology for Human Health Improvement; Iran, 23-26 October 2011.

- Current status of Telemedicine network in India and future perspective; Asia-Pacific Advanced Network 32nd Meeting; New Delhi India 22-26 August 2011.
- Establishing e-Network project in ASEAN (CLMC) countries: Feasibility Study on the invitation of TCIL, New Delhi from 24th July to 7th August, 2011.
- Mobile e-Health Country Need Assessment and Feasibility Study; S.K. Mishra, International Telecommunication Union (ITU) Mission; Nepal, 24th May to 8th June 2011.
- Evolution of Mobile e-Health Technology, Tools, Practices in India; S.K. Mishra; Workshop on Space technology for public health actions in the context of climate change adoption; Montreal, Canada, 19-21 June 2011.
- Light at the end of the Tunnel: Prescribe Tele health for ailing Rural Health in Developing Countries; S.K. Mishra; IETE Ahmedabad; 11 May 2011.
- Telemedicine India Country Report; Mishra S.K, 33rd Korean Medical Association Scientific Congress; Seoul, Korea; 13-15 May 2011.

AK Verma

- Plenary lecture. International conference on non communicable disease held at Thiruvanthapuram, Kerala on 9-14th Feb. 2012.

Amit Agarwal

International

- Genetic basis of thyroid cancer. Annual meeting of Sri Lankan college of surgeons. Aug 2011.

National

- Recent Advances and Surgical Management of Thyroid Cancer. 9th Annual conference of the Indian Thyroid Society, Jaipur held on 25-26th Feb. 2012.
- Clinical Protocol. Clinico-pathology Conference (CPC) held at AIIMS on 28th Feb. 2012.
- Extra-adrenal pheochromocytoma. PFG Endocrine Surgery Update, 2-4th Dec. 2011 at Coimbatore.
- Recent Advance in primary hyperparathyroidism. PFG Endocrine Surgery Update, 2-4th Dec. 2011 at Coimbatore.
- Recent Advance in thyrotoxicosis. PFG Endocrine Surgery Update, 2-4th Dec. 2011 at Coimbatore.
- Pannel discussion on thyroid cancer. PFG Endocrine Surgery Update, 2-4th Dec. 2011 at Coimbatore.
- Moderatory live workshop on minimally invasive thyroid surgery and retroperotential laparoscopic adrenal surgery. PFG Endocrine Surgery Update, 2-4th Dec. 2011 at Coimbatore.

Gaurav Agarwal

International

- Contemporary Surgical Management of Early Breast Cancer. The Pan-African Tele-medicine network (connecting to large number of African countries). Lecture via tele-conference. April 2011.

National

- Current controversies in surgical management of breast cancer. Workshop on Breast cancer surgery, Bhilai March 2012.
- Live Operative surgical procedure for breast cancer. Workshop on Breast cancer surgery, Bhilai March 2012.
- Breast cancer screening in developing countries. The 44th World Congress of surgery/ International surgical week 2011. Yokohama Japan Sept 2011.
- Comprehensive breast cancer management: challenging case scenarios. The 44th World Congress of surgery/ International surgical week 2011. Yokohama Japan Sept 2011.
- Dr SC Misra oration, UP Chapter ASICON 2011 Haldwani Nov 2011.
- Minimally invasive parathyroidectomy. 10th PGES Lucknow Nov 2011.
- Management of thyroid malignancies. At ASIRAJ (Rajasthan chapter ASI conference) Ajmer October 2011.
- Contemporary surgical management of breast cancer. At ASIRAJ (Rajasthan chapter ASI conference) Ajmer October 2011.
- Current controversies in breast cancer management. Surgery Update MAMC Delhi September 2011.
- Laparoscopic management of adrenal tumors- Video Lecture. Endocrine surgery update. Poona surgical society, Pune September 2011.
- Axillary surgery is indeed needed in patients with breast cancer: Great Debates in Breast Cancer. NATCON-IASO 2011 Lucknow, September 2011.
- Management of Early breast cancer. Pre-conference CME- NATCON-IASO 2011 Lucknow, September 2011.
- techniques in management of early breast cancer. Armed forces oncology group Surgery update, Command Hospital CC, Lucknow. August 2011.
- Breast conservation therapy for breast cancer: surgeon's perspective. Association of Breast Surgeons of India CME, Bengaluru August 2011.
- Modes of presentation and using PowerPoint for presentations. SGPGI Foundation course August 2011.

Anjali Mishra

- "Endocrine Surgery Specialty Training" at 13th Asian Association of Endocrine Surgeons Congress 2012, Singapore, March 26th- 28th, 2012
- Chaired a free paper session at 13th Asian Association of Endocrine Surgeons Congress 2012, Singapore, March 26th- 28th, 2012
- "Application of Telemedicine in Surgical Education and Post-operative Care" (included live demonstration of real time Tele-surgery from SGPGIMS, Lucknow) "Indian Science Congress 2012, KIIT Campus, Bhubaneswar, 3 -7 January, 2012
- Management of Metastatic Thyroid Cancer. 71st Annual Conference of The Association of Surgeons of India, 25-30 Dec, 2011 at Kochi.
- Pannel discussion on complications in thyroid surgery. 71st Annual Conference of The Association of Surgeons of India, 25-30 Dec, 2011 at Kochi.

- "Management of metastatic carcinoma thyroid" at 71st Annual Conference of the Association of Surgeons of India. ASICON 2011 at Kochi December 25th to 30th 2011
- Panelist in Panel discussion on "Complications in Endocrine Surgery" in IAES section of 71st Annual Conference of the Association of Surgeons of India. ASICON 2011 at Kochi December 25th to 30th 2011
- "Optimal Management of Euthyroid MNG" for Pan-African e-network (A ministry of external affair and African Union initiative), November 25th, 2011.
- "Papillary Microcarcinoma". 12th Annual Conference of the Indian Association of Endocrine Surgeons" held at Kodaikanal Tamilnadu from October 14th to 16th 2011.
- "Recent concept in Medullary thyroid carcinoma" for Pan-African e-network (A ministry of external affair and African Union initiative), April 14th, 2011

Gyan Chand

- Invited lecture on Laparoscopic Adrenalectomy at UPASICON 2011, 37th Annual Conference of Association of Surgeons of India, UP and Uttrakhand Chapter, Govt. Medical College, Haldwani, November 11th to 13th, 2011
- Chair one scientific session at UPASICON 2011, 37th Annual Conference of Association of Surgeons of India, UP and Uttrakhand Chapter, Govt. Medical College, Haldwani, November 11th to 13th, 2011
- Convenor of symposium on Management of Gastro-Entero-Pancreatic Neuro-endocrine tumors at 10th Post Graduate Course in Endocrine Surgery, at SGPGIMS, Lucknow, November 3rd to 6th, 2011
- Chair two scientific session at 10th Post Graduate Course in Endocrine Surgery, at SGPGIMS, Lucknow, November 3rd to 6th, 2011,
- Deliver one lecture on "Diabetic Foot" under Pan-African e-Network Project at SGPGIMS, Lucknow, India, 23rd Dec. 2011
- Invited Symposium lecture on Recent Advances in Thyroid Surgery at 71st Annual Conference of Association of Surgeons of India, ASICON-2011, Kochi, Kerala, Dec. 25th to 30th, 2011
- Chair one scientific session at 71st Annual Conference of Association of Surgeons of India, ASICON-2011, Kochi, Kerala, Dec. 25th to 30th, 2011
- Gyan Chand, Amit Agarwal, Anjali Mishra, Gaurav Agarwal, AK Verma, S K Mishra. Complication of more than 1000 total thyroidectomy: an experience from specialized thyroid surgery center in north India. 25th NATCON-2011, Lucknow, UP. Sept.16th to 18th, 2011.
- Gyan Chand, Amit Agarwal, Anjali Mishra, Gaurav Agarwal, AK Verma, S K Mishra. Prognostic evaluation of multiple variants of Papillary Thyroid Cancer in North India. An experience from a tertiary care center, 71st Annual Conference of ASI, Kochi, Kerala, Dec. 25th to 30th, 2011.

Observer:

- Dr. Nasser Basheer Al Sherari, King Fahd Armed Forces Hospital, Saudi Arabia, Consultant Surgeon, is visiting Department of Surgical Disciplines, AIIMS, New Delhi to gain insight in to Endocrine Surgery due permission from AIIMS and the Government of India for a period of two weeks, starting 1st – 15th June, 2011.

Future Plans

SK Mishra

- Continuing Education and Professional skill development in Endocrine Surgery targeting at Developing Countries
- Assisting Ministry of Health & Family Welfare, Government of India in setting up National Medical College Network over NKN GRID for Education and Skill sharing
- Setting up a National Center for Simulation based Skill training in Health Sector towards patient safety
- Focusing research in Health Technology and Design in particular Knowledge Engineering and Management in Health Science and allied technology leading to Setting up Health Technology and Knowledge Park

Gaurav Agarwal

- Developing a comprehensive cancer care center: with all basic and advanced facilities, infrastructure and expertise for management of various cancers. The center would lay emphasis on providing preventive and screening services, early detection, comprehensive multi-modal treatment using low cost but highly effective innovative strategies. This would fulfill the needs of huge number of cancer patients and provide opportunity for teaching & training of super-specialists in various oncology subspecialties, and for meaningful oncology research.
- Academic activities, teaching & Training: Starting one year long structured Post-doctoral Fellowship program in Breast Surgery and Oncology

Anjali Mishra

- Intend to involve in research in Education and Training in Endocrine Surgery.

Gyan Chand

- Strengthen the skills of minimally invasive endocrine surgery, endovascular & vascular diabetic foot surgery, Newer Endocrine Procedures. To Start PDCC in Diabetic foot services, Collaborative projects with senior faculties in the field of molecular basis of thyroid cancer & Public Lectures on diabetic foot awareness.

Achievement Summary

- Department organized 10th Postgraduate Course in Endocrine Surgery and International Workshop in Minimally Invasive Endocrine Surgery on 3rd to 6th November, 2011.
- Department is adopting newer surgical tools to offer safe and effective surgical outcome for the patients
- Faculty members are engaged in clinical research actively by mentoring the residents and offering them leadership quality
- Alumni of the department have successful in setting up endocrine surgery facility in government and corporate hospitals
- Residents have secured best performance awards at institute level and been successful in international fellowship

Department of Gastroenterology

Faculty

G Choudhuri

VA Saraswat

R Aggarwal

Uday C Ghoshal

Praveer

S Mohindra

Professor & Head

Professor

Professor

Additional Professor

Associate Professor

Associate Professor

Residents/Students

SR (DM Student) 13

HSR 3

Departmental Activities

Services

Patient Care

OPD registrations	27716
New patients	6876
Old patients	20840
Admissions	2613
Ward A	1248
Ward B	1365
Others (Total tests & procedures)	46028
Investigations (Laboratory + GI Pathophysiology)	32969

Laboratory tests done

Anti-HAV IgM 1151

Anti-HBc IgM 1017

Anti-HBe 1245

Anti-HBs 422

Anti-HCV 10880

Anti-HEV IgM 1417

HBeAg 1462

HBsAg 11764

HBV DNA (Quantitative) 2236

HCV RNA (Quantitative) 554

Stool fat (72 h) 13

Stool fat (Sudan stain) 620

Urine/Blood D-xylose 188

Manometry Procedures (Total) 1355

Esophageal manometry 199

24 h pH metry/imedance 30

Rectal manometry 204

D-xylose	178
Glucose H2 breath test	396
Lactose H2 breath test	85
Lactulose H2 breath test	65
Colonic transit time	14
Antroduodenal manometry	01
Biofeedback	97
Balloon expulsion test	42
Capsule endtroscopy	44
Endoscopy (Procedures)	13059
UGI Endoscopy	4524
EST	1695
EVL	718
Esophageal dilatation	316
Achalasia dilatation	62
Esophageal metallic stenting	12
Glue Injection	68
PEG	5
Procto- sigmoidoscopy	556
Piles Banding	68
Colonoscopy (short)	437
Colonoscopy (full)	1032
Biliary Stenting (metal)	67
Polypectomy	22
ERCP (diagnostic)	36
ERCP (therapeutic)	828
Biopsy	2347
Foreign Body Removal	1
Metal Stenting	18
SVE	193
APC	13
EUS	214
Enteroscopy	26

Teaching and Training

Teaching program for DM residents is as follows:

Monday	Research Forum/Data Review/Journal Club
Tuesday	Seminar/Statistics
Wednesday	Pathology Conference/Journal Club
Thursday	Case Discussion
Friday	Radiology Conference
Saturday	Joint Academic Meeting (CGR)

The department participated in teaching and imparting training in gastrointestinal endoscopy to the MCh students of the Department of Surgical Gastroenterology.

The department actively organized and promoted interactive clinical case discussion for postgraduate medical students and doctors at regional and national levels.

Honours and Awards

G Choudhuri

- President , Indian Society of Gastroenterology (ISG).
- Member of National Task Force on Gallbladder Cancer.
- Fellow of the Royal College of Physician of Ireland.
- Diplomate of National Board (Gastroenterology) examiner.
- Member of the Editorial Board/Editor of a Journal
- Editorial advisor Gastroenterology Today (since 1997)
- Editor (Endoscopy Section) Tropical Gastroenterology 1999 – till date.
- Editorial Associates Annals of the National Academy of Medical Sciences (India) 2005 – present.

VA Saraswat

- Editorial Board Member Gastroenterology Today

R Aggarwal

- Editor, Journal of Gastroenterology and Hepatology
- Editor, Indian Journal of Gastroenterology
- Associate Editor, Trials (a BioMedCentral journal)
- Member, International Editorial Board, Alimentary Pharmacology and Therapeutics
- Member, Editorial Board, World Journal of Gastroenterology
- Member, Editorial Board, Food and Environmental Virology
- Member, Editorial Board, Journal of Clinical Virology
- Member, Working Committee, National Medical Journal of India
- Member, Ethics Committee, World Association of Medical Editors (WAME). 2001 onwards.
- Treasurer, Indian Society of Gastroenterology.

Uday C Ghoshal

- Indian J Gastroenterol (Associate Editor since January 2010)
- Indian Clinical Update
- J Dig Endosc (A journal of Indian Society of Gastrointest Endosc)
- Journal of Neurogastroenterology and Motility (Associate Editor)
- International Journal of Cancer Research (Associate Editor)
- J Gastroenterol Hepatol
- Gastrointestinal Cancer Review Letters

- World Journal of Gastroenterology
- World J of Gastrointest Endosc
- Journal of Medical Sciences
- Journal of Medical Science Research

Referee/Reviewer of a Journal

G Choudhuri

- Endoscopy
- Indian Journal of Gastroenterology
- National Medical Journal of India
- Tropical Gastroenterology
- Journal of Gastroenterology and Hepatology
- Journal of Pancreas

VA Saraswat

- Journal of Gastroenterology and Hepatology
- President, Indian National Association for Study of Liver Disease (INASL).
- Past Honorary Secretary, Indian National Association for Study of Liver Disease (INASL), 2006-09.
- Member, Organizing Committee, 18th Annual Conference of Indian National Association for study of Liver, March 2-4, 2012 at Guwahati, Assam.

R Aggarwal

- BMJ
- Journal of Viral Hepatitis
- Vaccine
- Bulletin of World Health Organization
- Alimentary Pharmacology and Therapeutics
- Journal of Clinical Virology
- Journal of Gastroenterology and Hepatology
- National Medical Journal of India
- Indian Journal of Gastroenterology
- Indian Pediatrics
- Journal of Association of Physicians of India
- Journal of Postgraduate Medicine
- Indian Journal of Pharmacology

Uday C Ghoshal

- Gastroenterology
- Gut
- J Gastroenterol Hepatol
- BMC Gastroenterology
- International Journal Artificial Intelligence in Medicine
- Gastroenterology & Hepatology (A journal of American Gastroenterology Association)
- Clinical Practice Gastroenterology & Hepatology (A journal of American College of Gastroenterology)
- Am J Gastroenterol
- Aliment Pharmacol Ther

- Pakistan Journal of Biological Sciences
- Journal of Medical Sciences
- Research J Microbiology
- Scand J Gastroenterol
- Dis Esophagus
- Endoscopy
- Saudi Medical Journal
- Psychology, Health & Medicine
- Future Medicine Aging health
- World J Gastroenterol
- Gastrointestinal Cancer Review Letters
- African J Pharmacy and Pharmacology
- J Health Population Nutr
- Expert Opinion Emerging Drugs
- Cytokine
- BMC Medical Genetics
- BMC Surgery
- Gastrointest Endosc
- Indian J Gastroenterol
- Natl Med J India
- J Postgraduate Medicine
- Indian J Med Sci
- Indian J Surgery
- Indian J Med Res
- Tropical Gastroenterol
- J Assoc Physicians India

R Aggarwal

- Organization of two 01-level courses at SGPGI, Lucknow for students of all departments.
- Running of Bioinformatics Center at SGPGI.
- Invited by the World Health Organization to conduct a systematic review of disease burden of hepatitis E for the Global Disease Burden Study.
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- Member, Technical Screening Committee for Biotechnology Industrial Partnership Programme (BIPP), DBT, Govt. of India

- Chairperson, Data Safety Monitoring Committee for three large stem-cell studies; Department of Biotechnology, Govt. of India
- Member, Project Monitoring Committee (PMC) of SBIRI Project of DBT
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- Governing council member, Indian Society of Gastroenterology 2003 to 2006 and 2008-2011
- Team Leader ANMA Asian IBS Consensus Team
- Team Leader ANMA Asian Dyspepsia Consensus Team
- Member of Asian Barrett's Consortium

Outstanding Features & Summary

G Choudhury

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- Member of National Task Force on Gallbladder Cancer.
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- Member of Asian Barrett's Consortium

Conference / Workshop Organized

- Organization of three NIH-funded workshops on different aspects of Research Methodology for faculty level participants at national level. The three workshops during the year were on (i) Biostatistics, (ii) Scientific Communication, (iii) Drug Trials and Good Clinical Practice.
- Conference by the name of Endoscopy Conference 2011 was organized by the Department on August 7, 2011. This conference was on "Evidence-Based Practice of GI Endoscopy". A highlight of this conference was keynote address by Dr DN Reddy on the topic "The Present and the Future of GI Endoscopy".

Visiting Scientist

- Dr. Sandip Pal, k Vellore from 3.1.2012 to 14.1.2012.
- Dr. Roben Thomas, Vellore from 3.1.2012 to 14.1.2012.
- Dr. Lata Prasad, Hyderabad from 16.01.2012 to 15.02.2012.
- Dr. Bhupinder Singh, Hyderabad from 16.01.2012 to 29.02.2012.

- Dr. Rajeev Kumar Bansal, Bombay from 01.02.2012 for 2 weeks.
- Dr. Kotli Nagaraj, Gulbarga, Karnataka from 06.02.12 to 29.02.12.
- Dr.Smita Chauhan, Lucknow from 12.01.12 to 30.06.12
- Ms Ms. Gitanjali Singh, Amity University,Lucknow, from 1.04.11 for two month.
- Miss Arpita Batta, Gaitam Budha University, Noida, from 18.05.11 for two months.
- Ms. Pankhuri Saxena, Allahabad, from 05.02.2012 for six month.

Conference Presentation/Invited Lectures

G Choudhuri

- Sri Lankan Society of Gastroenterology, Colombo, Sri Lanka. February 10th & 11th 2012
- Bangladesh Gastroenterology Society Annual Conference 2012, Dhaka, Bangladesh Feb 4th & 5th 2012.
- 2nd International Conference of Biotechnology, "Quest 2011". Lucknow, Aug 5th 2011.
- Train the Trainers (TTT) course of the World Gastroenterology Organization (WGO) as lecturer and facilitator, Chennai, India April 10-15, 2011.
- Gastroenterology Young Master Program (GYM), SGPGIMS, Lucknow, Feb 17-19th, 2012.
- Gastroenterology Young Master (GYM) program, Vellore, Jan 20th -23rd 2012.
- Bilicon 2011, Mumbai Dec 3rd , 2011
- Challenges in Gastroenterology Practice Motility disorders of Gut. Nainital, Nov 25th-26th 2011.
- EUS Live-2011, The Medicity, Gurgaon. September 17th – 18th 2011.
- Hepatology Live 2011, In association of UP Chapter of ISG, Lucknow. September 11th 2011.
- Young Clinicians' Programme of the Indian Society of Gastroenterology held in Kolkata Aug 26-8, 2011.
- The Tri-Institute Summit AIIMS-PGI-SGPGIMS meeting on Evidence-Based Practice of GI Endoscopy. SGPGIMS, Lucknow, Aug 7th 2011.
- 1st Binnial Meeting of Indian Motility and Functional Diseases Association. SGPGIMS, Lucknow, Aug 5-6th 2011.
- Hepatitis Update, Shillong, Meghalaya, July 9, 2011
- API, Manipur state chapter, Imphal as a resource person on "Management of Hepatitis-C virus infection & its complication-Current update",on the 19th,June'2011.
- Mid Term ISG conference, Coimbatore, June 4th – 5th 2011.
- Gastroenterology Conference, Indira Gandhi Medical College, Shimla. May 26th – 28th 2011.
- ISG- West Bengal Chapter Annual conference, Kolkata April 29, 2011
- ISG-MP Chapter Annual Conference, Kana, MP, April 30, 2011
- HBsAg positive what Next? In GASTRO UPDATES 2012, Pariyaram Inst of Gastrointestinal and Liver Diseases, Kannur, Kerala. Apr 22nd 2012.
- How to make a podium presentation. In GASTRO UPDATES 2012, Pariyaram Inst of Gastrointestinal and Liver Diseases, Kannur, Kerala. Apr 22nd 2012.
- Upper GI bleed. In Continuing Medical Education Programme – 2012.North Eastern Railways, Lucknow. Mar 16th 2012.
- Preparing for theory Exam. In Gastroenterology Young Master Program (GYM), SGPGIMS, Lucknow, Feb 17th 2012.
- Bedside nutrition. In Gastroenterology Young Master Program (GYM), SGPGIMS, Lucknow, Feb 19th 2012.
- Current trends in the pattern and medical management of IBD in the Asia –Pacific region. In Sri Lankan Society of Gastroenterology, Colombo, Srilanka. Feb 11th 2012.
- Current trends in the pattern and medical management of Inflammatory Bowel Disease in Asia Pacific region.
- Water and Health. Science Expo 2012, Lucknow. Feb 2nd 2012.
- Can Fat in the liver serve as predictor of cardiovascular disease & metabolic syndrome? Multispeciality CME of The Royal College of Physicians of Ireland (Indian Chapter). Jan 23rd 2012.
- Preparing for theory exam. Gastroenterology Young Master (GYM) program, Vellore, Jan 20th 2012.
- Sphincter of oddi Dysfunction Evaluation and treatment. BILICON 2011, Mumbai Dec 3rd 2011.
- Intrahepatic calculi Endoscopy /PTC/Surgery.BILICON 2011, Mumbai, Dec 3rd 2011
- EUS training in India-Current status and future prospect. The Medicity, Gurgaon. September 17th 2011.
- Management of Hepatitis B virus. Hepatology Live 2011, Globe Medicare, Lucknow. Sept 11th 2011.
- Best Practice in Glue injection for variceal bleeding. The Tri-Institute Summit AIIMS-PGI-SGPGIMS meeting on Evidence-Based Practice of GI Endoscopy. SGPGIMS, Lucknow, Aug 7th 2011.
- Overview of functional bowel disease and GI motility related work in India.1st Biennial Meeting of Indian Motility and Functional Bowel Disease Association, Lucknow. Aug 6th 2011.
- How Molecular Biology affects our lives. In 2nd International Conference of Biology "Quest 2011". Lucknow, Aug 5th 2011.
- Work, Stress and Health. Striking balance in Life. In Course on Health and Happiness for DCsIT/AcsIT & ITOs, Direct Taxes regional Training Institute, Lucknow. July 28th 2011.
- Natural history of chronic pancreatitis. In Indian Society of Gastroenterology, West Bengal Chapter, Kolkata, April 30th 2011.

VA Saraswat

- Annual Conference of GI Endoscopy (ENDOCON 2011), Grand Hyat, Mumbai, 21-24 April, 2011.

- World Hepatitis Day, AIIMS, New Delhi, 28-29 July.
- Physician Education Program on Hepatitis C, ILBS, New Delhi, 31 July, 2011.
- 9th International Meeting on Therapy in Liver Disease, held at Barcelona, Spain on September 14-16, 2011.
- Annual Conference of the American Association for Study of the Liver Diseases (AASLD), San Francisco, USA, November 4-8, 2011.
- 52nd Annual Conference of Indian Society of Gastroenterology (ISGCON-2011) held in Coimbatore, Tamil Nadu, November 18-22, 2011.
- Metabolic Liver Disease (INASL – Mid Term), Mumbai, 13-14 January, 2012.
- ISG GASTROCON 2012. Conference was held in Jaipur on January 27 to January 28, 2012
- Postgraduate Course in Critical Care Nephrology, New Delhi, 21-22 January, 2012.
- Advances in Hepato Biliary Pancreatic Endoscopy, Hyderabad, 24-26 February, 2012.
- Annual Conference of Indian Association for the Study of Liver (INASL) held in Guwahati Medical College, Guwahati, Assam on March 2-4, 2012.
- North East Gastro Meet held at Guwahati, Assam on 25-27 February, 2012.
- 2nd Asian Pacific Topic Conference "Asian Pacific Helicobacter pylori meeting 2012" organized by Asian Pacific Association of Gastroenterology in Malaysia, 13-15 January, 2012.
- Annual Conference of Association of Physicians of India organized at Kolkata, 15 January, 2012.
- Bangladesh Society of Gastroenterology, Dhaka, Bangladesh, 4-5 February, 2012.
- Uttar Pradesh Chapter of Indian Society of Gastroenterology organized at Allahabad, 11 February, 2012.

Future Plans

- Up gradation of facilities
- Endoscopy
- Gastrointestinal Pathophysiology and Motility
- Thrust on development of Liver Transplant Program (adult and pediatric).
- Development of High Dependence (Intensive Care) Unit in Gastroenterology Wards.

Miscellaneous

- The department started a series of Patient Awareness Lectures, as periodic interactive sessions for patients of chronic gastroenterological and liver diseases to educate and inform them and their relatives about their chronic illness, and how to manage them their relatives from 2nd July 2002 and continued till date.
- Service to popularize science and welfare of public and society Department has started following three websites for public health benefit
- Health Oriented Program & Education (HOPE) initiative (www.hope.org.in).
- Shanti Patient-related Education and Directions (SPREAD), an attempt towards welfare of patients by spreading health education in three languages, English, Hindi and Bengali (www.spread.net.in).
- A website www.Gastroenterologyindia.net for imparting information to patients and doctors on Gastroenterology and Liver related disorders.

UC Ghoshal

- Functional bowel Disease in Asia Organized by Asian Neurogastroenterology & Motility Association, 2nd July 2011, Vietnam.
- Asian Pacific Digestive Disease Week 2011. Invited lecture on Epidemiology of functional dyspepsia in Asia, 14th October 2011, Singapore.
- Asia Pacific Topic Conference H. pylori. Invited lecture High H. pylori prevalence but low gastric cancer incidence in India, 14th January 2012, Kuala Lumpur.
- Annual Convention of Bangladesh Society of Gastroenterology. Invited lecture Tropical sprue Diagnosis, pathogenesis and management, 5-6 February, 2012, Dhaka.
- Global perspective of IBS meeting organized by Rome Committee and World Gastroenterology, Organization at Milwaukee, WI, USA, 6 April, 2011.
- West Bengal Chapter of Indian Society of Gastroenterology at Kolkata, 29 April 2011.
- Organized by Asian Neurogastroenterology and Motility Association at Ho-Chi Minh city, Vietnam, 2 July, 2011.
- Mid-term meeting of Indian Society of Gastroenterology organized by ISG Kerala Chapter at Kollam, 17-18 September, 2011.
- Asian Pacific Association of Gastroenterology organized at Singapore, 1-4 October, 2011.
- Organized by the School of Tropical Medicine, Kolkata, 29 October, 2011.
- First meeting of International Expert Group on probiotics at Paris, France, 27-30 November, 2011.
- Organized by Indian Motility and Functional Disease Association at Varanasi, 10 December, 2011.

Achievements Summary

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Uday C Ghoshal

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- Member of Asian Barrett's Consortium

Department of Surgical Gastroenterology

Faculty

Rajan Saxena

VK Kapoor

A Kumar

A Behari

RK Singh

Anand Prakash

Professor and Head

Professor

Additional Professor

Additional Professor

Additional Professor

Assistant Professor

Senior Resident/Junior Resident

MCh	10
Hospital Service Resident	03
Post Doctoral Fellow (PDF)	01

Departmental Activities

Services

Patients Care

Department runs 14 out patients clinic every week, has 60 beds and 15 operating tables per week in addition to 10 beds in Liver Transplant Unit.

Registrations	11524
New registrations	2172
Follow up patients	9352
Admissions	1605
Operations	1594

Highlights

The department has started Tele-Teaching sessions for DNB candidates at Asian Institute of Gastroenterology, Hyderabad, Nizam's Institute of Medical Sciences, Hyderabad, and Sir Ganga Ram Hospital, New Delhi, with the cooperation of the Telemedicine Center. The sessions have been widely acclaimed and warmly welcome. The activity started with clinical case discussions, and is now expanding into Seminars and Journal clubs as well. The Department has established the SGE Foundation.

Honours and Awards

Rajan Saxena

- Chairman of the Curriculum Committee of the MCI for development of the curriculum for M.Ch. Surgical Gastroenterology in India.
- Invited as Faculty Speakers at the IHPBA international Conference being held at Paris, France in July 2012.

VK Kapoor

- Invited as Faculty Speakers at the IHPBA international Conference being held at Paris, France in July 2012.

Conference Organised

- The Department conducted a four day surgical workshop, called "Advanced Course in HPB Surgery" from 15-19 March, 2012 as a part of the XVII SGE Week, under the aegis of the SGE Foundation.
- The Department was one of the national centers for the examination of DNB Surgical Gastroenterology

Miscellaneous Activities

The Center for Hepatobiliary Diseases and Transplantation is under construction, and the civil work is likely to be completed in the next six months.

Department of Hematology

Faculty

Soniya Nityanand

Rajesh Kashyap

Gaurav Srivastava

Ruchi Gupta

Professor and Head

Additional Professor

Assistant Professor (Contractual)

Assistant Professor (Contractual)

Resident/Students

Senior Residents

Clinical Hematology	4 (01 DM, 03 PDCC-Hemato Oncology)
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Laboratory Hematology	4 Laboratory
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Research Students	4 JRF (3 PhD)
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Academic Program

PDCC Hematology Oncology	3
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DM Hematology	1
---------------	---

Departmental Activities

Clinical Services

OPD Registrations

New Patients	1653
--------------	------

Old Patients	6806
--------------	------

New Consultations	525
-------------------	-----

OPD Procedures

Bone Marrow biopsies	2151
----------------------	------

Bone Marrow aspirations	2212
-------------------------	------

CSF Exam.	294
-----------	-----

Intrathecal injections	481
------------------------	-----

Chemotherapies	6899
----------------	------

Skin Biopsies	12
---------------	----

Joint Aspirations	591
-------------------	-----

Joint Injections	572
------------------	-----

Indoor (Ward)

Admissions	1393
------------	------

BMT and Pre-BMT Ward

Admissions	342
------------	-----

CVP lines/Hickman lines	134
-------------------------	-----

Stem Cell Harvests	7
--------------------	---

Chemotherapies	208
----------------	-----

Specialized Laboratory Services**Flow Cytometry Lab**

Acute Leukemia Panel	292
CLL Panel	12
CLPD Panel	35
PNH Panel	25
HCL/SLVL	1
Single Specific Test	1

Myeloma Lab

Serum electrophoresis with % quantification of M-Band	594
Serum electrophoresis with absolute quantification of M-Band	783
Serum Immunofixation	329
Urine electrophoresis with % quantification of M-Band	192
Serum kappa free light chain assay	274
Serum lambda free light chain assay	270
β 2 microglobulin	75

Drug Assay and Coagulation Lab

Prothrombin time	14627
Activated partial Thromboplastin time	3381
Protein C-Functional Assay	166
Protein S-Functional Assay	166
Activated Protein C Resistance	50
Antithrombin III-Functional Assay	106
Factor VIII Levels	98
Factor IX Levels	46
Lupus Anticoagulant	593

Molecular Hematology Lab

BCR-ABL /ABL Real Time PCR (Quantitative)	492
CMV Real Time PCR (Quantitative)	130

Emergency Laboratory Services (Stat Lab)**Hematology Investigations**

HCT	18945
Hb	38452
TLC	36807
DLC	3629
PLT	31111

Coagulation Investigations

PT	20766
APTT	16069

Biochemistry Investigations

BUN	17984
Creatinine	30256
Glucose	26230
K+	33903
Na+	34723
CSF	1103
Urine ketone	569
Amylase	4125

Microbiology Investigations

Blood C/s	2632
CSF C/s	367
Tip C/s	86
Fluid C/s	521
PUS C/s	96
Urine C/s	81
MP	92

Honours and Awards***Sister Madhuri Smith***

- Sister Madhuri Smith, specialist nurse, Bone Marrow Transplantation Unit has been awarded by the Honorable President of India, the National Florence Nightingale Nurses Award in 2011. This award is given as a mark of highest recognition for meritorious services of the nurses and nursing profession of the country. It is for the first time that a nurse of UP has been given this award, and this achievement has been a great honor for the Dept and the Institute.

Soniya Nityanand

- Member of "Task force on Stem Cell Research and Regenerative Medicine" DBT, Govt. of India
- Member of DBT UGC Task Force on Human Resource Development
- Member of Research area Panel-Scientific Advisory Committee (RAP-SAC), National Center for Cell Sciences, Pune, Maharashtra
- Member of the Scientific Advisory Committee, Centre for Stem Cell Research, CMC, Vellore.
- Member of Institutional Committee for Stem Cell Research and Therapy, Institute for Liver and Biliary Diseases, New Delhi
- One of the two experts nominated by MCI to re-draft the curriculum of DM Hematology

Memberships of Societies

Soniya Nityanand

- American Society of Hematology
- American Association for Advancement of Science
- Indian Immunology Society
- Indian Society of Hematology

Rajesh Kashyap

- European Hematology Association
- International Society on Thrombosis and Hemostasis

Conference presentations

Soniya Nityanand

- "Serum Free Light Chain Assay: Clinical Utility", Hematology-Nephrology Meet, Organized by Panacea Biotech, Lucknow, June 03, 2011.
- "Clinical Applications of Stem Cells". Recent Advancement of Biotechnology in Healthcare, Amity Institute of Biotechnology, Amity University, Uttar Pradesh, Lucknow, Oct 18, 2011
- "Mesenchymal stem cells and their therapeutic applications", CME cum Workshop on Stem Cell Therapy and Research, Netaji Subash Chandra Bose Cancer Research Institute, Kolkata, Swabhum, Kolkata, Dec 27-28, 2011.

Future Plans

- Recruitment of Clinical & Lab Faculty Members against vacant posts.
- Expansion of BMT Program.
- Expansion of the Coagulation Lab with introduction of several new investigations for patient care
- Establishment of a National Training Centre for Animal Imaging
- Procurement of furniture for the Teaching Research Block of the hematology building, the construction work of which has completed, and its activation.

Achievement Summary

- Initiation of MCI approved DM Hematology course
- Establishment of a Small Animal Imaging Facility (SAIF) with installation of a small animal SPECT/CT (Bioscan, USA), procured from an Indo-Denmark bilateral collaborative research project funded by DBT, Govt of India, New Delhi (PI: Dr Soniya Nityanand). This is the second small animal SPECT-CT equipment in the country. To promote pre-clinical research, it is open for use to all scientists of the country, and it will also be developed into a national training centre to develop human resource in this area.
- Sanction by the Dept. of Biotechnology, Govt. of India, 02 additional posts of research scientists and Rs 100, 00, 000/- for a small animal 2 D Echo machine in the Program Support Project, entitled "Mesenchymal stem cells in myocardial infarction, stroke, renal failure and diabetes", on the basis of a report submitted by a Committee consisting of 05 national experts who did an on-site evaluation of the stem cell research work being carried in the Stem Cell Research Facility, Dept. of Hematology and found it to be satisfactory.
- Initiation of Serum Free Light chain assay and IgG microglobulin assay in the Myeloma Lab, for the management of patients with plasma cell dyscrasias.
- An almost 100% bed occupancy and twice the number of OPD Chemotherapies were given (6899) as compared to the previous year (3764)
- Completion of the National Multicentric Clinical Stem Cell Trials on acute MI and stroke, in collaboration with Cardiology and Neurology Depts, respectively.
- Finalization of the detailed drawings with the Professional Consultant appointed for construction of the Stem Cell Research Centre as per US FDA and WHO norms for cGMP, and good progress in the construction work of the Stem Cell Research Centre.

Department of Immunology

Faculty

Ramnath Misra

Amita Aggarwal

Aruna Parashar

Vikas Agarwal

Able Lawrence

Professor & Head

Professor

Additional Professor

Additional Professor

Additional Professor

Residents/Students

DM	8	
HSR	2	
PhD	5	
Short Term Trainees	2 (Overseas Medical Students)	

Departmental Activities

Services

OPD

New Patients	4227
Old Patients	16153
Ward: Admission	952

Laboratory Tests

RF	1108
CRP	3850
ANA	4497
AMA	293
ASMA	1201
LKM	903
Ds-DNA	1220
ANCA Screen	981

ACLA (IgG)	851
ENA Screen	732
IgG	287
IgA	206
IgM	166
APCA	234
Cryoglobulin	45
CD3	1
CD4	81
Anti GBM	194
Anti MPO	53
Anti PR3	97
Serum Ferritin	798
Serum Ceruloplasmin	888
ACLA (IgM)	840
ESR	3832
C3	1912
C4	1887
Anti cardiolipin Antibodies	332
RA Screening	1144
Serum IgE	150
Anti TTG	740
Alpha-1 Antitrypsin	18

The department has gradual increase in flow of patients with almost 20,000 patients being seen every year.

Teaching and Training

The weekly teaching schedule is as follows:

Monday	:	Case review/Morbidity mortality meeting/Radiology meeting
Tuesday	:	Case Discussion
Wednesday	:	Faculty journal club
Thursday	:	Seminar
Friday	:	Research presentation/Immuno-pathology meeting/Data Review/Journal Club
Saturday	:	CGR

Thursday Afternoon: Telemedicine Session with medical college in Orissa: Rheumatology for postgraduates

Honours and Awards

Amita Aggarwal

- Oral presentation award at the 1st International congress on controversies in Rheumatology and Autoimmunity (CORA2011) held at Florence, Italy, March 2011.

Member of the Editorial Board/Editor of a Journal

Ramnath Misra:

- Arthritis Research Therapy
- Rheumatology (Oxford)
- Indian Journal of Rheumatology

Amita Aggarwal

- Indian Journal of Rheumatology

Vikas Agarwal

- Indian Journal Rheumatology
- Rheumatology (Oxford)
- JK Science

Referee/Reviewer of a Journal

Ramnath Misra

- Arthritis Research Therapy
- J Rheumatology
- Rheumatology Oxford
- Clinical Rheumatology
- International Journal of Rheumatic Diseases
- Indian Journal of Medical Research

Amita Aggarwal

- Annals of Rheumatic Disease
- Nature reviews in Rheumatology
- Annals of Rheumatic disease
- APLAR Journal
- Rheumatology (Oxford)
- Clinical Rheumatology
- J Rheumatology
- Indian Journal of Medical Research
- Indian Pediatrics
- Journal of Indian Rheumatology Association
- National Medical Journal of India
- Indian J of Pediatrics

Vikas Agarwal

- Arthritis Rheumatism
- Arthritis research and therapy
- Asian Journal of Epidemiology
- Indian J Rheumatology
- Rheumatology (Oxford)
- International journal of Rheumatic diseases
- JK Science
- International Journal of osteoporosis

Able Lawrence

- Indian Journal of Rheumatology

Conference/Workshop Organized

- National conference of Pediatric Rheumatology chapter of IAP, September 2011.

Conference Presentation

Ramnath Misra

- 70th Annual Conferene of the American College of Rheumatology held at Chicago between 4-9 November 2011. Entitled Identification of Immunogenic HLA-B*27:05 Restricted Peptides of Salmonella typhimurium Outer Membrane Protein (OMP) in Patients with Reactive Arthritis and Undifferentiated Spondyloarthropathy" - R Misra, A K Singh, A Aggarwal"
- Long-Term Outcome of Lupus Nephritis in Asian Indians Using Standard Therapy. Presented by V Dhir (DM student) co-authors : A Aggarwal, A Lawrence, V Agarwal and R Misra

Visiting Scientist

- Prof Robert Moots, Professor of Rheumatology, Liverpool University, UK and Prof Steven William Edwards , Professor School of Biological Sciences, Liverpool University, UK visited the department .

Overseas Trainee

- Mr. Adam Hancock and Mr. Andrew McMaster, of University of Manchester, UK received training sponsored by Arthritis Research UK.

Achievement Summary

- The department obtained musculoskeletal ultrasound from the PMSSY grant which is being standardized for use in patient care. The dedicated musculoskeletal MRI has been obtained but not yet installed. The department continued to carry out quality research

in the field of immunology and rheumatology and its faculty members and students have earned awards for best papers at international and national levels. The department engaged itself in a number of Phase III drug trials in Rheumatoid arthritis and SLE.

Future Plans

- To induct musculoskeletal ultrasound and MRI as routine evaluation of patients with rheumatic diseases.

Department of Maternal and Reproductive Health

Faculty

Mandakini Pradhan

Amrit Gupta

Indulata

Additional Professor

Assistant Professor

Assistant Professor

Residents/ Students

Sr resident (Hospital service) 6

Departmental activities

Patient care services

OPD

Old follow up 4261

New Registration 655

Admissions 111

Investigations

Ultrasound 2726

Prenatal diagnostic procedures 81

Intra uterine transfusion 30

Other fetal therapy 6

Teaching and Training

Routine teaching of the senior resident

Honours and Awards

Membership of Professional bodies

Mandakini Pradhan

- International society of Prenatal Diagnosis and Therapy
- International Society of Ultrasound in Obstetrics and Gynecology
- LOGS (Lucknow Obstetrics and Gynaecologists Society)

Indu Lata

- NARCHI-National association of reproduction and child health of India
- ISAR-Indian society of assisted reproduction
- IAGE-Indian association of gynaecological endoscopy
- ISSRF-Indian society for study of reproduction and fertility
- Fellowship of Indian College of Maternal and child health, FIMCH
- Member of Indian college of Obstetrics and Gynaecology, MICOG

Referee/Reviewer of a journal

Mandakini Pradhan

- Journal of Prenatal Medicine

Conference Presentation

Mandakini Pradhan

- Invited as the resource person to organise workshop on prenatal diagnosis at ISOPARB conference held at Burla, Orissa in Feb 2012.
- Invited as faculty of Pre congress workshop on Fetal Medicine and Genetics of AICOG held at Varanasi on 26th Jan 2012.
- Invited as faculty to deliver talk on “non lethal malformation beyond 24 weeks” and chair session on TTTS at AICOG held at Varanasi on 27- 30th Jan 2012
- Delivered lecture through telemedicine on “Impact of ICT in meeting the challenges of health related MDGs” at 99th Indian Science Congress held at Bhubaneswar, Orissa on 4th Jan 2012.
- Invited lecture in “Prevention of Pregnancy Wastage” conference held at New-Delhi on Oct 2011 on “ non-lethal congenital anomalies- still a nightmare.”
- Invited faculty in 1st Fetal Medicine Congress held at New-Delhi on “Maternal hypothyroidism and pregnancy” on 2nd Oct 2011.
- Delivered lecture on “Targeted fetal imaging (TIFFA)” at Lucknow in Aug 2011 in Advance USG course.
- Delivered lecture on “11-14 weeks scan” at BOGS and Fetal medicine Committee of FOGSI workshop at Patna on 7th Aug 2011

Amrit Gupta

- Paper presentation in CME on 'Role of micronutrients in male infertility' Ranikhet June 2011
- Invited faculty Lecture- “Supplementation with folic acid and NTD – every obstetrician should know in January 2012,AICOG Varanasi

Indu Lata

- Paper on Management of term pregnant with decompensated peripartum cardiomyopathy in NESOG 2012,12th national conference of Nepal society of Obstetrics & Gynecology 30-31 March 2012,Chitwan,Bharatpur,Nepal

Outstanding Features and Summary

- The department has been recognised as a referral centre for fetal ultrasound, prenatal diagnosis, fetal therapy and high risk pregnancy.
- The department has started having observer to get specialised training in fetal medicine.

Future Plans

- To start post doctoral certificate courses in relevant subjects for MD/MS (Obstetrics and Gynecology).
- To start fetal surgery.

Department of Medical Genetics

Faculty

Shubha R Phadke	Professor & Head
Suraksha Agrawal	Professor
Balraj Mittal	Professor
Sarita Agarwal	Professor

Residents/Students

DM students	06
Hospital service senior resident	01
Ph.D. students	11

Departmental Activities

Teaching

The department of Medical Genetics is running the DM program. The department has been organizing various training and academic programs for spreading the knowledge of genetics amongst clinicians. The Tenth ICMR Course on Medical Genetics and Genetic Counseling and First Indo US Symposium on Skeletal Dysplasia were such major events organized by the department during 2011 -12 sponsored by ICMR and Indo US Forum of Science and Technology respectively. DNA diagnostics 2012 was the workshop organized for young budding molecular biologists and was successful in its objective. Summer trainees were provided training by various labs of the department.

Patient Care

The department is providing the state of art molecular and cytogenetic diagnostic investigations for genetic

disorders. This includes prenatal diagnosis by invasive and non invasive methods. This year the department acquired microarray scanner and has introduced microarray based cytogenetic analysis. In addition to cytogenetic microarray the department is performing other molecular cytogenetic techniques; namely Q F PCR, MLPA and Fluorescence in situ hybridization. This year the department introduced molecular cytogenetic tests for various triplet repeat disorders namely; Huntington's chorea, Myotonic dystrophy and Friedreich ataxia. The other new tests established during this year were screening of newborns for preventable causes of mental retardation. The department runs OPD on all 6 days a week and 2127 new and 2746 previously registered patients were seen in the OPD and diagnostic and treatment facilities were provided. The department gets funds from the government of Uttar Pradesh for the management of patients with hemophilia. The grant of Rs 2 crore was utilized to provide antihemophilic factors to the patients with hemophilia. Surgical and nonsurgical treatments were provided to hemophilia patients for lifesaving bleeding problems. At present there are 400 patients of hemophilia registered in the department of Medical Genetics, at SGPGIMS, Lucknow. Four hundred and fifty patients of thalassemia major are being treated regularly with hypertransfusion therapy.

The various investigations done during the year 2011-12 is as follows.

S.N.	Lab Name	01.04.2011 to 31.03.2012
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Cytogenetics

1	FISH for ABL - BCR (Philadelphia chromosome)	
2	FISH for Aneuploidy	81
3	FISH for microdeletion syndrome	14
4	Karyotype for Antenatal Diagnosis	63
5	Karyotype from blood/bone marrow	526
6	Karyotype from Skin/tumor/products of conception	2
7	Mutation testing for Apert syndrome	

Hematology

1	ACE (Angiotensin converting enzyme) gene 3	
2	Alpha-fetoprotein (Serum/amniotic fluid)	1049
3	Autohemolysis test	21
4	Beta-Thalassemia Screening	806
5	DNA test for Alpha Thalassemia	14
6	DNA test for antenatal Diagnosis	25
7	DNA test for Hemochromatosis (HFE)	
8	DNA test for Thalassemia	71
9	G-6-PD	161
10	Hb	14
11	Hb separation & quantitation by HPLC	230
12	HbA2	6
13	HbF	19
14	Heinz bodies	
15	Hemoglobin Electrophoresis	68
16	MTHFR (Genetic test in folate metabolism)	10
17	OF Curve	8
18	Optical density difference in amniotic acid	
19	Plasma hemoglobin	65
20	Porphobilinogen	5
21	Pyruvate kinase test (PK)	107
22	Red Cell indices	51
23	Reticulocytes count	2
24	Screening for IEM	12
25	Serum Ferritin	3474
26	Serum Iron	3404

S.N.	Lab Name	01.04.2011 to 31.03.2012
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27	Serum TIBC	3366
28	Sickling Test	78

Immunogenetics Lab

1	Chimerism in BMT	1
2	Chimerism in BMT follow up	1
3	Factor V Leiden Mutation	207
4	Final Cross Match	182
5	First Cross Match	147
6	First Screening for HLA typing (BMT Family)	
26		
7	HLA-B27	356
8	HLA Typing (Class I + II)	255
9	HLA typing Class II	3
10	Panel Reactive Antibodies	14
11	Paternity Testing or Medicolegal cases	
12	Second Screening HLA typing (BMT Donor Selection)	18

Myopathy Lab

	DNA linkage analysis for DMD/BMD	
1	DNA mutation analysis for DMD/BMD	98
2	Family Analysis for Carrier Detection (SMA)	
3	Family Analysis for Carrier Detection (Hemophilia)	
4	Mutational Analysis for SMA	34
5	Prenatal mutational analysis for DMD/ BMD	9

Procedure

1	Amniocentesis	99
2	Chorionic Villus Sampling	28
3	Fetal autopsy	
4	Fetal Blood Sampling	1
5	Obstetric Ultrasound	416

The faculty members of the department have many intra and extramural grants amounting to more than Rs 6 crores. The extramural grants are from funding agencies like Department of Biotechnology, Department of Science and Technology, Indian Council of Medical Research. The research work in various areas like newborn screening, cancer genetics, immunology of pregnancy, pharmaogenetics , multifactorial diseases like ischaemic

heart disease, mental retardation and monogenic disorders like Osteogenesis imperfecta, etc is being pursued by faculty and students of the department. The important grant which needs to be mentioned in this year is the ICMR support of the Centre of Molecular Medicine in the department of Medical Genetics, [ICMR grant of Rs 5 Crore] at SGPGIMS for research in genomic disorders.

The research has resulted 62 publications in national and international journals as given below.

Achievement Summary

- Grant of Rs 500 lac for the CENTRE FOR MOLECULAR MEDICINE from ICMR
- Grant of Rs 250 lac from the Government Of UP for the management of Hemophilia patients
- Grant from Indo US Science and Technology forum for Indo US symposium on Skeletal Dysplasia
- of Microarray based cytogenetic analysis for patient care and prenatal diagnosis
- Establishment of Newborn Screening facility for prevention of Mental retardation funded by [Rs 78 lac] Department of Biotechnology
- Sixty international and national publications
- Tenth ICMR course in Medical Genetics and Genetic Counseling –funded by ICMR
- HLA typing related tests -969
- Invasive and noninvasive prenatal diagnosis – 544

Department of Microbiology

Faculty

TN Dhole

KN Prasad

J Kishore

Ujjala Ghoshal

Rungmei SK Marak

Professor & Head

Professor

Professor

Additional Professor

Additional Professor

Departmental Activities

The Department of Microbiology started functioning in May 1988. It has the facilities for isolation and identification of various pathogenic microbes and determining their antimicrobial susceptibility. The department also conducts routine surveillance of various high risk areas of the hospital like transplant units, intensive care units (medical and surgical), dialysis unit, operation theatres, hospital water supply, air and environment. The department has laid down guidelines for care of patients with acquired immunodeficiency syndrome (AIDS) at the Institute. The department has facilities for tissue culture. In collaboration with WHO, the department conducts surveillance for transmission of poliovirus in UP and Bihar. Disinfectant and antibiotic policies of the hospital are also formulated by the department from time to time. Consultations on management of infectious complications in patients are also offered on referral basis.

Clinical Services

- Aerobic and anaerobic bacteriology
- Mycobacteriology including molecular diagnosis and sensitivity testing

- Serology and microbial immunology
- Mycology
- Parasitology
- Virology including tissue culture and molecular diagnosis
- Automated rapid BACTEC culture for aerobic bacteria, mycobacteria and fungi
- Hospital surveillance and infection control programs

Routine Tests & procedures (with No of Tests done)

Bacteriology	87368
Special Investigation	41193
Mycobacteriology	6704
Mycology	11531
Serology	8904
Parasitology	10901
Virology	1340
Hospital Surveillance	255
Total	168196

Special Services

- Publication of News letter annually that includes distribution of pathogens, their antibiotic sensitivity and interesting case reports
- Hospital infection Prevention week is being organized every year.
- Department is recognized as national centre for polio in the states of UP and Bihar. It takes important steps for maintenance of wild and vaccine strains of polio isolated from the states.
- Department regularly participates in External Quality Control Program with CMC Vellore and CDC, Atlanta (USA).
- Direct observed therapy short course (DOTS) for tuberculosis.
- Voluntary Counseling and Testing Centre (VCTC) for HIV.
- Viral diagnostic services including PCR for endemic arboviruses.
- Diagnosis of opportunistic parasitic pathogens.
- Regular CME-cum Workshop on antibiotic stewardship and infectious diseases.

Community Activities

- Investigation of measles, dengue and diarrhoeal disease outbreaks
- Investigation of an epidemic of dengue/dengue hemorrhagic fever and acute hemorrhagic conjunctivitis in and around Lucknow
- Study on neurocysticercosis in Mohanlalganj block, Lucknow district
- Arrangements of public lectures on health promotion

Teaching & Training

- MD- Two candidates in a year.
- PhD in Microbiology: Areas of interest are Helicobacter pylori infection, Campylobacter infection and Guillain-Barre syndrome, Mycobacterium tuberculosis, Neurocysticercosis, CNS infections (brain abscess and meningitis), Herpes simplex virus, HIV, Polio & non-polio enteroviruses, Japanese encephalitis, amoebic liver abscess etc.
- PDCC in infectious disease: two candidates in a year with 6 months each posting in Microbiology and other clinical disciplines.
- Teaching program: Five days in a week for residents/ PhD students.
- Teaching of MD/DM/MCh students: DM students from other departments undergo training for 02 weeks and MD students from Blood Transfusion and Pathology for one month.

- Teaching of technician, nurses & other paramedical staff: Bench side teaching for technicians regularly. Nurses of the hospital are routinely taught basic microbiology. Time to time necessary instructions for control of hospital infections are circulated to the various departments.
- Summer training program/project: MSc Microbiology and Biotechnology students from different universities including their dissertations.

Honours and Awards

KN Prasad

- Elected as Fellow of National Academy of Medical Sciences for his outstanding contributions in the field of Medical Sciences

Ujjala Ghoshal

- Awarded best poster prize in Parasitology in 8th annual chapter of Association of Medical microbiologists UP Chapter, organized by Dept. of Microbiology, MLN Medical college Allahabad on 11th February 2012. Ghoshal U, Ranjan P. Misra V, Pant P, Ghoshal UC and Sharma RK. Genetic characterization of Human Cryptosporidia among renal transplant recipients.

Rungmei S.K. Marak

- National Executive member (North zone) Society for Indian Human and Animal Mycology (SIHAM).
- External expert for the Institutional Biosafety Committee of CIMAP (IBSC-CIMAP)
- Member of Editorial Committee/Editor

TN Dhole

- Indian Journal Medical Research.
- Indian Pediatrics.
- Indian Journal of Virology
- Member of Editorial Board of The Lancet Infectious disease.
- KN Prasad
- Tropical Parasitology

Ujjala Ghoshal

- Tropical Parasitology

Conference Presentation

- 25th Annual meeting of Clinical Virology Symposium organized by Pan American Society for clinical virology, Daytona Beach, florida, USA from April 19-22 ,2009.

KN Prasad

- Challenges in PD Microbiology: culture negativity and antimicrobial susceptibility. 7th Peritoneal Dialysis Society of India Conference (PDSICON), October 1-2, 2011, Chennai, India
- Prevalence of asymptomatic neurocysticercosis: an Indian scenario. 8th Tropical Parasitology Congress (TROPACON 2011), November 11-13, 2011 Nagpur, India

- Bacterial infections in immunocompromised hosts. CME-cum-Workshop during 35th annual congress of Indian Association of Medical Microbiologists (IAMM), 23-26 November 2011, BHU, Varanasi, India.
- Cysticercosis: a neglected tropical disease with growing concern" during 4th meeting of the standing committee on zoonosis organized by National Centre for Disease Control, Govt of India on 31st May 2011.

Ujjala Ghoshal

- Invited speaker in 5th annual conference of Indian Academy of Tropical Parasitology, organized by Dept of Microbiology, GMC Nagpur from 11-13 Nov 2011.

Rungmei S.K. Marak

- Attended the 1st International Middle East Course on "Molecular laboratory Diagnostics and treatment of clinically important yeasts" from 16-18 February 2011, Doha, Qatar; jointly organized by Hamad Medical Corporation, Laboratory Medicine and Pathology, CBS Fungal Biodiversity Centre (CBS-KNAW), Utrecht, The Netherlands, and Canisius Wilhelmina Hospital, Department of Medical Microbiology and Infectious Diseases, Nijmegen, The Netherlands, in collaboration with ISHAM.

Conference Organised

- CME on systemic Mycosis trends in India: prevalence and treatment options. 4th April-2010.
- CME on Emerging Infectious diseases in India. 5th May 2010.

Miscellaneous Activities

Areas of interest

TN Dhole

- Molecular epidemiology of poliovirus
- Molecular epidemiology of non-poliovirus enteroviruses
- Vector borne viral diseases (JE/Dengue/Chikugunya)

KN Prasad

- Enteric pathogens with special reference to *Helicobacter pylori* and *Campylobacter* species.
- Central nervous system (CNS) infections including brain abscess and neurocysticercosis.
- Antibiotic resistance in nosocomial pathogens.
- Infections in AIDS, transplant recipients and continuous ambulatory peritoneal dialysis patients

J Kishore

- Virology: molecular diagnosis & molecular epidemiology of newly emerging viruses e.g. dengue and parvovirus B19, enteroviral conjunctivitis.
- Transplant virology & microbial serology.

Ujjala Ghoshal

- Parasitology- opportunist infections in AIDS, transplant recipients, haematological malignancies & amoebiasis
- GI microbiology particularly small bowel bacterial flora
- *Helicobacter pylori*
- Transplantation microbiology

Rungmei S.K. Marak

- Diagnosis of invasive fungal infections
- Uropathogens and antimicrobial resistance
- Surveillance of antifungal resistance in *Candida/Cryptococcus*

Future Plans

- Molecular Epidemiology & surveillance of Vector Borne Diseases in UP.
- Virology & molecular epidemiology of newly emerging viruses like-Dengue, parovirus B 19, haemorrhagic conjunctivitis viruses.
- Transplant virology & infections in the immunocompromised hosts.
- Molecular methods for the diagnosis of liver abscess
- Rural community based study on cysticercosis.
- Animal model for *Campylobacter* associated Guillain-Barre syndrome.
- Immunopathogenesis of brain abscess
- To develop Molecular-Virology section in the department. To standardize molecular techniques for routine patient care & extend these to study molecular epidemiology of dengue, parovirus B 19 and enteroviruses. Further expansion of serology & Microbiology, Immunology section with newer viruses like west-nile & enteroviruses.
- Molecular epidemiology of Cryptosporidiosis and Microsporidiosis
- Infections in Patients with IBD, IBS and Malabsorption syndrome
- Development of Molecular methods for diagnosis of Cryptosporidiosis and Microsporidiosis
- Standardize methods for antigen and fungal metabolite detection in clinical samples for the diagnosis of invasive fungal infections.
- To develop molecular technique for the diagnosis of invasive fungal infections.

Department of Molecular Medicine & Biotechnology

Faculty

MM Godbole

Swasti Tiwari

Professor & Acting Head

Assistant Professor

Students

PhD Students 5

Research Associate 1

Departmental Activities

The Department of Molecular Medicine & Biotechnology has started functioning from its assigned location on 4th floor of PMYSS building.

Laboratory Establishment is under full swing, this new department has well equipped with cell culture, molecular analysis as well as animal facility.

Teaching and Training - Two new PhD students have been registered in the year 2011 for Renal diseases related projects in the Department with Dr. Swasti Tiwari, adding to a total of 5 PhD students in the Department.

First Doctoral Committee meeting of all the PhD students enrolled in the Department (total 5) held in the October of 2011. The thesis works have been approved by the doctoral committee and by the Dean of the institute. The research topics have been identified and work has been initiated by the students after obtaining the due permission of Animal ethics committee.

The Department has trained 10 new M.Sc. students from different colleges and Universities under its certificate course (3-6 months training) program.

Honours and Awards

Member National Committee /Task Force

MM Godbole

- Expert committee, Life Sciences Research Board (LSRB), Deference Research Development Board, Government of India, New Delhi
- Expert committee on Life Sciences, Science and Engineering Research Board, Government of India, New Delhi.

Member Editorial Committee

Swasti Tiwari

- Editorial committee member for the Journal 'PPAR Research'.

Referee/Reviewer of a Journal

MM Godbole

- International Journal of Nutrition and Metabolism
- Indian Journal of Medical research
- Apoptosis
- Neurotox Res

Swasti Tiwari

- Journal of Endocrinological Investigations
- Kidney and Blood Pressure Research
- Nutrition & Metabolism

Conference Organised / Training programs

MM Godbole

- Invited speaker, International symposium on recent trends in neurosciences and XXIX Annual Conference of Indian Academy of Neurosciences, IAN 2011, New Delhi.
- Departmental faculty and students participated in a joint training program with department of endocrinology for 400 science stream students from 7 schools from Tarai region of Uttar Pradesh in salt iodine content. The 2 week program was held in the year 2011.
- As a joint activity with Department of Endocrinology, the Department of Molecular medicine hosted a two days training program for USI cell technical personnel and school science teachers from Tarai region of Uttar Pradesh in salt iodine content on June 15-16, 2012. It was sponsored by UNICEF- Department of Science and Technology, Government of India, New Delhi.

Miscellaneous Activities

- Recognition by UNICEF
- UNICEF has identified the Department as its partner in the activities pertaining to Iodine deficiency disorders.

Department of Nephrology

Faculty

RK Sharma	Professor and Head
Amit Gupta	Professor
Narayan Prasad	Additional Professor
Anita Saxena	Associate Professor
Anupama Kaul	Associate Professor
Dharmendra S. Bhadauria	Assistant Professor

Residents

SR (DM Registered)	18
HSR	2

Departmental Activities

OPD

New Registration (General)	5500
Old: Follow up patients (General)	35507
New Registration (Transplant)	118
Follow up patients (Transplant)	7100
Admissions	2351
Hemodialysis (Sessions)	18526
Plasmapheresis (Sessions)	86
CAPD	91
CAVHD	181
Jugular Catheterization	940
Femoral Catheterization	3710
AV Shunt	1
AV Fistula	488
Kidney Biopsy	357
Kidney Transplants	118
Renal Lab procedures	105464

Investigations

Hemoglobin, TLC.
Blood Urea Nitrogen, Serum.Creatinine, Serum. Na+, Serum. K+,
Urine Routine & Microscopy
Cyclosporine level
Tacrolimus level
Serum and urine osmolality
Renal acidification test.
Peritoneal equilibration test

Teaching and Training:

Beside daily bed side teaching rounds, and weekly clinical grand rounds, department conducts morning teaching sessions on daily basis, in which presentations includes seminars, journal club, case discussions and combined meetings with Pathology, Radiology, Nuclear Medicine, Urology, Telemedicine Sessions with SRMC, Chennai and Raebarely.

Honours and Awards

RK Sharma

- Received Oration Award on 'Acute Kidney Injury: Current concepts in diagnosis & management' at Silver Jubilee Celebrations & Endowment Orations, Visakhapatnam, 25th March 2012.
- Alumnus Award of Maulana Azad Medical College, New Delhi on 9th January 2012.
- President, Indian Society of Nephrology 2011-2012

Member of the Editorial Board

RK Sharma

- Editor-in-Chief, Clinical Queries Nephrology (CQN)

Amit Gupta

- Sub-Editor, Clinical Queries Nephrology (CQN)

Narayan Prasad

- Secretary, Peritoneal Dialysis Society of India (PDSI)
- Assistant Editor, Indian Journal of organ transplantation
- Editorial board of Indian Clinical Update Handbooks - Nephrology
- Sub-Editor, Clinical Queries Nephrology (CQN)

Anita Saxena

- Sub-Editor, Clinical Queries Nephrology (CQN)

Anupama Kaul

- Sub-Editor, Clinical Queries Nephrology (CQN)

Referee / Reviewer of the Journal

RK Sharma

- American Journal of Kidney Disease,
- Nephrology,
- Kidney International,
- Section Editor for Nephrology

Amit Gupta

- Member Editorial Board Peritoneal Dialysis International,
- Section Editor – Indian Journal of Nephrology.
- Reviewer of Nephrology Dialysis & Transplantation

Narayan Prasad

- Reviewer of Transplant infectious disease
- Pediatric Nephrology
- Saudi Journal of Kidney Disease
- American Journal of Nephrology
- Indian Journal of Nephrology
- Diabetes and complications

Conference Presentation / Invited Lectures

RK Sharma

- Delivered a lecture on 'Optimal approach to retard progression of chronic kidney disease' at Delhi Nephrology Society, New Delhi April 2-4, 2011.
- Delivered a lecture on 'How to write a manuscript and get it published' at workshop on 'Research paper writing skills' at Hind Institute of Medical Sciences, Lucknow on 6.5.2011.
- Delivered a lecture on 'Prognosis & Management of patients with multiple myeloma presenting with advanced renal failure' at Lucknow on 3.6.2011.
- Delivered a lecture on 'Development & challenges in operational management of super specialty hospitals' at Medicamen 2011, Lucknow on 2nd July 2011.
- Delivered a lecture on 'Public Private Partnership in Medical Education' at National Summit: Medical Education - Challenges and Opportunities at Manekshaw Centre, New Delhi on 12th September 2011.
- Delivered a lecture on 'Early renal insufficiency, identification risk stratification and intervention' at Medicine Update 2011, Bareilly on 1st October 2011.
- Delivered a lecture on 'Proteinuria and allograft dysfunction' at ISOT 2011, New Delhi, 7-9 October 2011.
- Delivered a lecture for Gujral Bhargava Memorial Oration 2011 on 'Renal Transplantation: From clinics to bench side' at CSSM Medical University, Lucknow, 22nd October 2011.
- Delivered a lecture on 'Renal Transplant in India: Where we are' at Indian Organ Donation Day- 2011, AIIMS, New Delhi, 28th November 2011.
- Chaired a session 'Dr JCM Shastry Memorial Oration' at ISNCON 2011- Hyderabad on 10th December 2011.
- Chief Guest for Foundation Day – U.P. Rural Institute of Medical Sciences, Safai, Itawa, 15th December 2011.
- Inaugural session 4th National Conference of AIDS Society of India – ASICON 2011 at SGPGI, Lucknow, from 16-18 December 2011.
- Chief Guest for 1st Convocation, Shri Ram Murti Smarak Institute of Medical Sciences, Bareilly, 24th December 2011.
- Delivered a lecture on 'Health and wellness' at Science Expo-2012 at Lucknow on 3.2.2012.
- Delivered a lecture on 'Acute renal failure – current concept in Diagnosis and management' at 143rd Foundation Day Celebration – Balrampur Hospital, Lucknow on 3.2.2012.
- Presidential address on 'Harnessing the science & technology in the State' at National Seminar at Council of Science & Technology, UP, Lucknow on 27.2.2012.
- Delivered a lecture on 'Dietary protein intake for slowing CKD progression: What is the evidence?' at 6th AFCKDI & Annual Conference of the ISN North Zone Chapter, Chandigarh, February 24-26, 2012.
- Delivered a lecture on 'Clinical Biomedical Research in India' at National Symposium on 'Frontier of Biomedicine in India, Amity University, Lucknow, 1st March, 2012.

- Delivered a lecture on 'Distal renal tubular acidosis (DRTA) in posterior urethral valve and vesicoureteric reflux: Prognostic factors and development of nephropathy' at World Congress of Nephrology Gastroenterology Urology, Omaha, Marriot, USA from 12-14 March, 2012.
- Delivered a lecture on 'Acute Kidney Injury: Current concepts in diagnosis & management' at Silver Jubilee Celebrations & Endowment Orations, Visakhapatnam, 25th March 2012.
- Oral Presentation "Validity of Nutrition Risk Index (NRI) as a malnutrition screening Tool compared with Subjective Global Assessment in ESRD Patients on PD" at International Society of Peritoneal Dialysis, 2012, Kuala Lumpur, Malaysia

Narayan Prasad

- Invited lecture "Renal Transplant in highly sensitized Patients" at CONNECT 2012 in collaboration to Young Nephrologists International Society of Nephrology, Hyderabad
- Invited lecture "Sodium Bicarbonate: A new renoprotective agent". North Zone – ISN, Chandigarh, 2012
- Oral Presentation Effect of body mass index on outcomes of Indian PD patients, at International Society of Peritoneal Dialysis, 2012, Kuala Lumpur, Malaysia

Future Plans

- Transplant Immunology setup
- Equipments and infrastructure expansion
- Develop Cadaveric Renal Transplant programme
- Dialysis facility for high risk patients
- Dialysis vascular access lab
- PDCC courses in Renal Transplant Medicine, Critical Care Nephrology, & Interventional Nephrology, Dialysis

Department of Neurology

Faculty

UK Misra

S Pradhan

GN Babu

S Jha

J Kalita

VK Paliwal

Professor & Head

Professor

Professor

Professor

Professor

Associate Professor

Departmental Activities

Services

Patient care

OPD

New patients 11860

Old patients 29482

Admission 1967

Others Tests Procedures

EEG 1193

EMG/NCV 1525

EP 252

Teaching and Training

- Journal club - every Wednesday
- Seminar - every Friday
- Ward round - twice daily
- CGR - as per the schedule

Honours and Awards

UK Misra

- Awarded FRCP Edin, ROYAL COLLEGE OF PHYSICIANS OF EDINBURGH, 9 Queen Street, Edinburgh, EH2 1JQ

Referee/Reviewer of a Journal

UK Misra

- Frontiers in Neurology
- Journal of Association of Physicians of India (Reviewer)
- Annals of Indian Academy of Neurology (Member of Editorial board and Reviewer)
- Neurology India (Member of Editorial board and Reviewer)
- Journal of Postgraduate Medicine (Reviewer)
- Neuroscience Today (Member of Editorial board and Reviewer)
- Physician digest (Member of Editorial board and Reviewer)
- Indian Journal of Medical Research, India (Reviewer)
- Neurology
- Clinical Anatomy

- Current Neuropharmacology
- EEG and Clinical Neurophysiology
- Epidemiology and Infection
- Epilepsy Research
- European Journal of Neurology
- European Journal of Neurology
- European Urology
- Experimental Neurology
- Journal of Clinical Virology
- Journal of Neurological sciences
- Journal of Neurology
- Journal of Neuroscience and Behavioural Health
- Journal of Neuroscience and Behavioural Health
- Journal of Pediatric Neurology
- Journal of peripheral Nervous system
- Lancet
- Muscle & Nerve
- Neurological sciences
- Neuroradiology
- Saudi Arabia Neurosciences Journal
- Seizure: European Journal of Epilepsy
- Tohoku Journal of Experimental Medicine
- Transactions of the Royal Society of Tropical Medicine and Hygiene
- Vaccine
- Viral immunology
- International Journal of Medicine and Medical Sciences (IJMMS)
- PLoS One

S Pradhan

- "NEUROLOGY INDIA"
- Neurology India (Reviewer)
- Annals of Indian Academy of Neurology (Reviewer)

G Nagesh Babu

- Indian Journal of Clinical Biochemistry (Reviewer)
- Indian Journal of Pharmacology (Reviewer)
- Indian Journal of Biochemistry and Biophysics (Reviewer)
- Clinica Chimica Acta (Reviewer)
- Neurochemistry International (Reviewer)
- Neuroscience Letters

S Jha

- Journal of Postgraduate Medicine

J Kalita

- Journal of Association of Physicians of India (Reviewer)
- Annals of Indian Academy of Neurology (Member of Editorial board and Reviewer)
- Neurology India (Member of Editorial board and Reviewer)
- Journal of Postgraduate Medicine (Reviewer)
- Clinical Neurophysiology
- Journal of Neurology Neurosurgery and Psychiatry
- Clinical Neurology and Neuroscience
- Journal of Neurological Sciences
- European Journal of Neurology
- Journal of Pediatric Neurology
- Journal of Neurology
- Saudi Arabia Neurosciences Journal
- Journal of Neurological sciences
- Spinal Cord
- Transfusion medicine

Conference Presentation

UK Misra

- C.U. Velmurugendran oration in Madras Medical College, Chennai 26th March' 2011 Topic: Changing paradigm of medical education
- UP Neurocon, 11th February' 2012, DR KAPIL SOOD MEMORIAL ORATION. Topic: Challenges in the management of Tuberculous meningitis

Visiting Scientists

- Dr Ambar Chakravarty, Honorary Professor and Head of the Department of Neurology, Vivekananda Institute of Medical Sciences, Kolkata, India

Future Plans

- Consolidation of Neurocritical care facility in Neurology and shall be trying to organize a training program in Neurocritical care (upgrading post doctoral fellow to post doctoral certificate course).
- Work on mechanism and therapeutic in migraine exploring pharmacological and non pharmacological therapies

Department of Neurosurgery

Faculty

Raj Kumar	Professor & Head
Kumudini Sharma	Professor
Sanjay Behari	Professor
Awadhesh Kumar.Jaiswal	Additional Professor
Rabi Narayan Sahu	Associate Professor
Vikas Kanujia	Associate Professor
Arun Kumar Srivastava	Assistant Professor
Kranti Bhavna	Assistant Professor

Residents/ Students

MCh	12
Post doctoral fellow (Pediatric Neurosurgery)	01

Departmental Activities

Services

OPD

New Patients	6151
Old Patients	13185
Indoor Admissions	1185
Neurosurgical operations	1351
Neurootology operations	329
Neuro-Ophthalmology OPD	12892
Neuro-Ophthalmology operations	1158

Teaching & Training

M.Ch. Training Programme : The department is running 3 years M.Ch. training programme recognized by the Medical Council of India. Four candidates are selected once in each year by an open all India level competitive examination. These candidates receive hands-on training experience in all field of neurosurgery including micro-neurosurgery, spine surgery, vascular neurosurgery, pediatric neurosurgery, onco-neurosurgery and peripheral nerve injuries etc. They actively participate in the management of neurosurgical cases and departmental academic activities as pre-operative discussions, seminars, journal club, neuro-pathology and neuro-radiology conferences and group discussions. Four candidates have successfully completed their M.Ch. training in the last year. Currently the department is also having a Post doctoral fellow in Pediatric Neurosurgery which is first of its kind in India.

Research

Research on various aspects of brain tumors, craniovertebral junction anomalies, complex aneurysm surgery, spinal dysraphism, cervical spondylotic myelopathy is ongoing. The department is also participating in multicentric international projects on hydrocephalus and recurrent anaplastic glioma.

Honours and Awards

Raj Kumar

- Chaired session on 17/10/11 at International Conference for Pediatric Neurosurgery at Goa.
- Bhojpuri Gaurav Award by Akhil Bharteeya Bhojpuri Samaj on 01/11/2011.
- Invited as Chair person in Lumber spine session at first Neurosurgical surgeons' society of India (NSSI) conference at Pune on 3rd March 2012.
- Invited as Chair person in vascular surgery session at first Neurosurgical surgeons' society of India (NSSI) conference at Pune on 4th March 2012.
- Invited as Chair person in young neurosurgeons awards at first Neurosurgical surgeons' society of India (NSSI) conference at Pune on 4th March 2012.
- Invited as Judge in Poster Awards, poster session at first Neurosurgical surgeons' society of India (NSSI) conference at Pune from 2nd - 4th March 2012.
- Expert appointed by MCI to inspect Gajra Raja Medical College, Gwalior (Rajasthan) for starting M.Ch (Neurosurgery) – June 2011.
- Expert appointed by MCI to inspect Thanjavur Medical College, Thanjavur (Tamil Nadu) for starting M.Ch (Neurosurgery) course - June 2011.
- Expert appointed by MCI to inspect Alluri Sitarama Raju Academy of Medical Sciences, Vijayawada (Andhra Pradesh) for starting (M.Ch) Neurosurgery – June 2011.

Sanjay Behari

- Visiting Professorship
- Department of Neurosurgery, Hospital Garcia de Orta, Almada, Lisbon, Portugal
- Department of Mechanical Engineering, IIT Kanpur, 23rd February 2011.

Awadhesh Kumar Jaiswal

- Awarded Kantilal Jamnadas Indian Portuguese Neurosurgical Fellowship to visit the Department of Neurosurgery, Hospital Garcia de Orta, Almada, Portugal from 20th March – 5th April 2011.
- Included in Marquis Who's Who in Asia 2012.

Rabi Narayan Sahu

- Awarded for invited oration at ANEICON, 25th Annual conference of Association of Neuroscientist of Eastern India held in Cuttack, Odisha.
- Selected as examiner for National Board of Examination, New-Delhi, for Neurosurgery super-specialty, for the year 2012.

- Guest Faculty at 1st NSSICON (Neurological surgeons' society of India Conference), Pune, March 2012.

Arun Kumar Srivastava

- Guest Faculty in 3rd National conference of gamma knife radio surgery feb-2012, AIIMS New Delhi.
- Guest Faculty in 14th AIIMS Annual Microneurosurgery Workshop feb-2012, AIIMS New Delhi.
- Guest Faculty in hands on workshop on advanced skull base temporal bone dissection workshop at 1st NSSICON (Neurological surgeons' society of India Conference), Pune, March 2012.
- Guest Faculty at 1st NSSICON (Neurological surgeons' society of India Conference), Pune, March 2012.

Kranti Bhavana

- Commonwealth fellowship in ENT for the year 2011-2012 (New Castle, U.K) (Could not avail as leave of 6 months not permitted in probation year of job).
- Guest Faculty in hands on workshop on advanced skull base temporal bone dissection workshop at 1st NSSICON (Neurological surgeons' society of India Conference), Pune, March 2012.
- Guest Faculty at CIGICON (Cochlear implant group of India conference) Lucknow, November 2011.
- ENT Update at PGIMER, Chandigarh, 2011.

Member of the Editorial Committee

Kumudini Sharma

- Member, MCI Ethics Committee.

Sanjay Behari

- Neurology India
- Indian Journal of Pediatric Neurosurgery
- Journal of Craniovertebral Junction and spine
- European Journal of Neurosurgery

Awadhesh Kumar Jaiswal

- Journal of Bioscience and Medicine.
- Rabi Narayan Sahu
- Member Editor and referee of the Indian Journal of Neurosurgery.

Arun Kumar Srivastava

- Member editorial board in the Journal of Bioscience and Medicine.

Referee/Reviewer of Journal

Kumudini Sharma

- Indian Journal of Ophthalmology

Sanjay Behari

- Cerebellum
- Indian Journal for Medical Research
- Indian Journal of Orthopaedics
- World Journal of Endocrinal Surgery

Awadhesh Kumar Jaiswal

- Asian Journal of Neurosurgery

Conference Presentation

Raj Kumar

- Guest lecture and operation performed in Micro neurosurgery Radio-Surgery at AIIMS, New Delhi on 12th February, 2012.
- Invited as Faculty to demonstrate the translabyrinthine approach to CP angle in workshop of skull base surgery at 1st Neurological surgeons' society of India (NSSI) conference on 2nd March, 2012 at Pune.
- Invited Talk on pediatric atlantoaxial dislocation on symposium of CV Junction at First Neurosurgical surgeons' society of India (NSSI) conference at Pune on 4th March 2012.
- Delivered lecture on Pediatric Brain stem & cervicomedullary tumours at MP Neurocon on 31/03/2012 at Bhopal.
- Delivered lecture on recent advances in Neuro-oncology at MP Neurocon on 31/03/2012 at Bhopal.
- Attended International Conferences for Paediatric Neurosurgery at Goa 15th to 18th October 2011.
- Tugaria A, Behari S., Jaiswal A.K., Sahu R.N, Srivastava A.K, Kumar R., Jain V.K.: UP Neurocon 2010 Best paper award: Annual meeting of UP Neurological Association, Fortis Hospital Noida 17 and 18th April 2010.
- Mehrotra A, Kumar R, Srivastava AK: Clinical Radiological profile & outcome of patients of pediatric intracranial aneurysms in Neurovascular conference-7th Oct 2011 at AIIMS New Delhi.
- Nayar A, Kumar R: Clinical Radiological profile and outcome in pediatric spetzler- Martin Grade I-III Arm-Neurovascular conference, 7th Oct 2011, AIIMS New Delhi.

Kumudini Sharma

- Attended the 38th Annual conference of North American Neuro-Ophthalmology Society (NANOS) – 2012 from 11-16 February 2012 at the JW Marriott San Antonio Hill Country, TX, USA and presented paper entitled "Amaurosis fugax and stroke in a boy due to supernumary rib in the neck.
- Taken lecture on Optic Neuritis to African countries through Pan Africa E-network on 27th June 2011 at School of Telemedicine & Biomedical Informatics, SGPGIMS, Lucknow (National, Resource Centre for Telemedicine & Biomedical informatics under Dept. of Information Technology, Ministry of Comm. & IT, Govt. of India).
- Delivered a Guest lecture on "Orbital Infections" in 63th Annual Conference of Delhi Ophthalmological Society (DOS) at Hotel Ashok, Chankiyapuri, New Delhi.

Sanjay Behari

- Awasthi R, Rathore RK, Singh JK, Husain N, Soni P, Singh RK, Behari S, Gupta RK, Kumar S: Segmentation of combinations of mean diffusivity and DCE perfusion

derived CBV in Glioblastoma multiforme. International Society for Magnetic Resonance in Medicine Annual Meeting, Montreal, Canada 2011.

- Awasthi R, Sahoo P, Husain N, Soni, Awasthi A, Singh RK, Behari S, Pandey CM, Rathore RK, Gupta RK: Discriminant Analysis to Classify the glioma grading using DCE MRI and immunohistochemical markers. International Society for Magnetic Resonance in Medicine Annual Meeting, Montreal, Canada 2011.
- Behari S, Singh RK, Jaiswal AK, Jain VK: Posterior inferior cerebellar artery aneurysms. Surgical strategies based upon anatomical location. Poster at Annual Meeting of Congress of Neurological Surgeons, Washington DC, USA 1-6th October 2011.
- Jaiswal A, Kumar B, Jaiswal S, Behari S: Ossified Ligamentum Flavum Causing Thoracic Myelopathy: An Analysis Based on 49 Surgically Treated Cases Poster presented in Annual Meeting of Congress of Neurological Surgeons, Washington DC, USA 1-6th October 2011.
- Jaiswal A, Yadav S, Sahu RN, Behari S, Mahapatra AK: Endocrine dysfunction following acute aneurysmal subarachnoid hemorrhage: A prospective study based on 100 cases. Presented in Asia Pacific stroke Congress 2011, 28th September to 1st Oct 2011 at Colombo, Sri Lanka.
- Jaiswal A, Sahu RN, Srivastava AK, Behari S: Decompressive craniectomy: an update. Presented in Asia Pacific stroke Congress 2011, 28th September to 1st Oct 2011 at Colombo, Sri Lanka.

Arun Kumar Srivastava

- Attended International Conferences for Paediatric Neurosurgery at Goa 15th to 18th October 2011.
- Participated in the CVJ symposium at 1st NSSICON (Neurological surgeons' society of India Conference), Pune, March 2012
- Tugaria A, Behari S., Jaiswal A.K., Sahu R.N, Srivastava A.K, Kumar R., Jain V.K.: UP Neurocon 2010 Best paper award: Annual meeting of UP Neurological Association, Fortis Hospital Noida 17 and 18th April 2010.
- Mehrotra A, Kumar R, Srivastava AK: Clinical Radiological profile & outcome of patients of pediatric intracranial aneurysms in Neurovascular conference-7th Oct 2011 at AIIMS New Delhi.

Kranti Bhavana

- Two Surgeon two nostril technique" for transnasal endoscopic pituitary surgery: An Initial experience Paper presented at UPCON (UP state conference) Lucknow 2011
- Phonosurgery : video presentation , 10th National Postgraduate update of Endocrine Surgery Department , SGPGIMS , Lucknow 2011
- Endoscopic pituitary surgery: SGPGIMS experience" Paper presented at NSSICON , Pune 2012

Workshop / Conference organized

Raj Kumar

- Publication committee of Special issue of Journal of Pediatric Neurosciences in International conference for Pediatric Neurosurgery at Goa on 15th to 18th October 2011.

Rabi Narayan Sahu

- Sahu RN, Behari S, Jaiswal AK, Kumar R, Srivastava A: Comparative analysis perimesencephalic and non-perimesencephalic non-aneurysmal (angio-negative) subarachnoid hemorrhage at a tertiary care hospital in northern India. Paper presented in the Asia Pacific Stroke Conference 2011, Colombo, Sri Lanka. 29 Oct. - 10 Sep. 2011.
- Jaiswal A, Yadav S, Sahu RN, Behari S, Mahapatra AK: Endocrine dysfunction following acute aneurysmal subarachnoid hemorrhage: A prospective study based on 100 cases. Presented in Asia Pacific stroke Congress 2011, 28th September to 1st Oct 2011 at Colombo, Sri Lanka.
- Jaiswal A, Sahu RN, Srivastava AK, Behari S: Decompressive craniectomy: an update. Presented in Asia Pacific stroke Congress 2011, 28th September to 1st Oct 2011 at Colombo, Sri Lanka.
- Sahu RN, Behari S, Jaiswal AK, Kumar R, Srivastava AK: Comparative analysis perimesencephalic and non-perimesencephalic non-aneurysmal (angio-negative) subarachnoid hemorrhage at a tertiary care hospital in northern India. Paper Presented in 5th SAARC Congress of Radiology, Dharan, Nepal, 16-19 Feb 2012.

Kranti Bhavana

- Actively participating in Pan – Africa medical education program. Given five presentations in one academic year.
- Organizing ENT up date at two monthly intervals in collaboration with ENT department CSMMU and other ENT surgeons of the city.

Outstanding Features & Summary

Raj Kumar

- Supervisor of PhD students Manoj Kumar Rana on “Early Detection of Extra Pulmonary Tuberculosis Infection in the Neurosurgical Samples of Humans”.
- Co-Supervisor of PhD student Priyanka Kawal on Association of MMP Genes with Gliomas.
- Established the Neurological Surgeon's society of India.
- Working as Secretary of Neurological Surgeon's society of India.
- Published land mark work in Pediatric Neurosurgery research in international journals.
- Established and started basic lab in clinical department of Neurosurgery with help of Neurological Surgeon's society of India.
- Developed department of Neurosurgery.

Kumudini Sharma

- Participated in National program for control of Blindness (NPCB) Funded by Govt. of India and established electrophysiology lab for posterior segment disorder.

Arun Kumar Srivastava

- Started the Neuro-navigational spine instrumentation.

Kranti Bhavana

- Actively restarted the cochlear implant program in the department and now performing cochlear implant surgery independently.
- Trying to delve into endoscopic skull base surgeries with close collaboration with the Neurosurgeons.
- Going for clinical attachment of 15 days (15th June- 30th June 2012) in the Head and Neck Oncology Unit of Tata Memorial Hospital, Mumbai under Dr. Anil D Cruz.

Future Plans

- To start epilepsy surgery, Neuro navigation and functional Neurosurgery as surgery for movement disorders.
- Proposal of Gamma knife Radio Surgery unit
- Proposal of dedicated Neurosurgery CT scan and DSA lab

Neuro-ophthalmology

- Planning to start Post Doctoral Certificated Course (PDCC) in Neuro-Ophthalmology & Medical and surgical retina.

Neuro-otology

- Plan to start Brain stem implant program for acoustic schwannoma patients with intra operative seventh and eighth nerve monitoring facilities.
- To start middle ear implants along with BAHA (Bone anchored hearing aid)
- To establish a functioning state of art “audio-vestibular” lab in the department which would be equipped with latest gadgets and manpower.
- To establish an auditory and speech rehabilitation centre for patients of cochlear and brainstem implants.
- To collaborate with the radiotherapy department and set up a Head and Neck oncology program.

Achievement Summary

The Department continued to progress in all fields in teaching, training and research in Neurosurgery. The faculty received national and international awards and published several articles in the national and international journals along with many book chapters.

Department of Nuclear Medicine

Faculty

S Gambhir

AK Shukla

PK Pradhan

S Barai

A Arya

Professor & Head

Professor (Medical Physics)

Additional Professor

Associate Professor

Assistant Professor

Medical Physicist

SC Kheruka

Residents/Students

Senior Residents 02

Junior Residents 02

Departmental Activities

Services

Two state of the art dual head SPECT- CT Gamma camera (Wipro GE Infinia Hawkeye) and third dual head SPECT gamma camera Symbia of Siemens have been installed in the department of Nuclear Medicine. The department has also installed a forth dual head SPECT-CT Gamma camera of Wipro GE to cope-up the load of the patients to keep the waiting time as minimum as possible for patients. The systems installed are State of the art nuclear medicine imaging systems with a provision of acquiring both nuclear medicine SPECT images as well as CT images from the single gantry. It offers excellent imaging performance for virtually all

patient studies including those related to Cardiac, Brain, Kidney, Bone, Thyroid, Cancer patients, Joint, infection and inflammatory disorders. The unique feature of image fusion i.e. fusion of nuclear medicine SPECT image with CT image enables increased diagnostic information and precise tumour localization for optimal patient management.

The SPECT (CT) systems installed in the nuclear medicine department at SGPGIMS would be of immense help in not only acquiring diagnostic images of high resolution with a very short scanning time but also the fusion of image would help in accurate localization of tumours, treatment and disease monitoring as well as pre-surgical planning of cancer patients. The system offers a wide range of applications in management of Oncology patients as well.

The installation of SPECT (CT) (64 Slice) system under PMSSY scheme is almost completed. This will offer boost to the diagnosis of coronary artery disease as both coronary CT angiography and SPECT myocardial perfusion will be combined for comprehensive diagnosis coronary artery disease.

The department is now anxiously waiting for construction and installation of PET facility. The creation of PET-CT facility at SGPGIMS would very useful in cancer patients at SGPGIMS but also help other cancer centers and research Institutions of the State.

The department of nuclear medicine at SGPGIMS being the only department in the entire State of UP caters to not only the patients from UP but also from other States like Bihar, Orissa, Jharkhand, West Bengal etc. The patient from Nepal also frequents the department for their investigation and treatment. The department is now doing any investigation of patient referred to the department within a week's time.

Investigations

Following investigations and therapeutic procedures are carried out routinely as patient care services by the department.

Bone Marrow, Brain perfusion SPECT, CSF (Cisternography), G.I. Bleeding detection study, Gastric Emptying, Heart (First Pass), Heart (MUGA), Hepatobiliaryscintigraphy, Renal cortical scan (DMSA), Lacrimal Duct, Liver Spleen, Lymphatic System (Lymphoscintigraphy), Meckel's Diverticulum, Myocardial Infarct, Myocardial Perfusion (Tc99m-MIBI), Gastroesophageal reflux study, Parathyroid Imaging, Perchlorate Discharge Test, Phleboscintigraphy, Radio Iodine Uptake, Radioiodine Whole Body scan, Renal Transplant Study, Diuretic Renogram, Renovascular Hypertension (Renogram with Intervention), Salivary glands, Skeletal System, Testicular Scan, Thyroid Scan, Vesico-ureteric Reflux study, Tumor imaging with Thallium-201 and Tc99m-MIBI, and In-Vitro Studies, infection imaging, GFR measurement by plasma clearance method..

Estimation of GFR by sample method and in a very short spare of time more than a 1608 tests have already been performed after proper standardization. This diagnostic procedure introduced by the department has found to be of immense clinical utility in the overall management of the cases of renal dysfunction.

Due to availability of Samarium-153 by BRIT, BARC, it has been possible to introduce this therapy for palliation of pain caused by skeletal metastases. The department runs an OPD on 5 days a week for follow up of thyroid patients treated with radioiodine. They constitute both benign (hyperthyroid) and malignant disorders. In the current year 560 admitted (indoor) patients were seen in the departmental OPD.

Following diagnostic investigations were carried out during the year of reporting.

Investigation	No. of Investigations
A) Diagnostic Investigations	
Nervous System	43
Endocrine System	1395
Cardio Vascular & Pulmonary System	646
Gastro Intestinal	352
Musculo Skeletal	2078
Genito Urinary System	2465
Invitro Diagnosis	1075
Others	51
Total	8105
B) Therapeutic Procedures	
Thyroid cancer therapy & follow up	1695
Thyrotoxicosis treatment & follow up	1890
P-32 Therapy & follow up	429
Samarium-153 Therapy & follow up	538
Total	4552

Teaching & Training

Regular teaching sessions were held during reporting for the residents. Academic activities were focused on scheduled programme of Journal Clubs, Seminars, inter departmental Clinical meetings. Faculty lectures were held once in a week to highlight recent trends & collateral developments. In addition didactic lectures for postgraduate students on topics related to basic sciences in Nuclear Medicine were also organized. Regular faculty meetings were held to discuss various issues related to department including the planning and further development of the teaching and clinical activities of the department. M.D. Students of Radio-diagnosis, Radiotherapy, Pathology, Cardiology & Gastroenterology were posted in the department for short term exposure as part of their training programme. As a special feature weekly lectures for technical staff and case review meetings with participation of technicians were held on every Saturday. This session was focused more for improvement of technical inputs in data analysis and hard copy preparation.

Honours & Awards

S Gambhir

- Executive member, Nuclear Cardio-logical Society of India.
- Member Advisory Board Indian Journal of Nuclear Medicine.
- Inspector for NBE accreditation in Nuclear Medicine.
- President, Society of Nuclear Cardiology of India.
- Examiner DNB, Nuclear Medicine.
- Examiner MD Nuclear Medicine.
- Member curriculum committee, Nuclear Medicine, MCI.
- Accredited auditor, Imaging, NABH, N. Delhi

AK Shukla

- Member, Governing Body Dr. RMLIMS, Gomtinagar, Lucknow.
- Member Standing Selection Committee, PGIMER, Chandigarh.
- Member Editorial Board, Indian Journal of Medical Physics.
- Referee Indian Journal of Medical Physics.
- NABL Assessor.
- External Member, Radiation Safety Cell, Dr. RMLIMS, Gomtinagar, Lucknow.
- Member PRC, International Organization of Medical Physics.
- Fellow, Indian College of Nuclear Medicine.

PK Pradhan

- Elected as President – Society of Nuclear Medicine, India for 2012 – 2013.
- Executive Member, Nuclear Cardiological Society of India.
- Editorial board member in Indian Journal of Nuclear medicine
- Reviewer to International Journal “Nuclear Medicine communications.”,U.K
- Reviewer to Indian Journal of Nuclear Medicine.
- Reviewer to World Journal of Endocrine surgery
- Examiner M.D., Nuclear Medicine, AIIMS, New Delhi.
- Examiner M.D., Nuclear Medicine, PGIMER, Chandigarh.
- Examiner M.Sc. Nuclear Medicine, AIIMS, New Delhi.

S Barai

- Nominated as reviewer for two international journal 'Journal of Clinical Imaging Science and 'Kidney International'.

AArya

- Awarded International ARCCNM (Asian Regional Cooperative Council for Nuclear Medicine) fellowship with structured training programme in molecular imaging in the department of Nuclear Medicine at the prestigious Seoul National University Hospital, S. Korea.

Conference Presentation

S Gambhir

- Invited lecture of radio-nuclides in pain palliation at 43rd Annual Conference of SNM India held at Chennai from Dec. 8-11, 2011.
- Guest lecture NCSI, Nov.2011 N. Delhi, Molecular, Nuclear Cardiology.
- Abstract presentation, SNM, USA June, 2011

AK Shukla

- Delivered invited Guest Lecture and attended 43rd Annual Conference of SNM India held at Chennai from Dec. 8-11, 2011.
- Delivered invited Guest Lecture and attended XVI conference AMPICON-2011 held at Ludhiana from April 23-24, 2011.
- Delivered invited Guest Lecture during a seminar on Hazard free Hospital –An Approach, Organized at SGPGIMS, Lucknow on 3rd Oct. 2011.
- Delivered invited talk at Dr. RMLIMS, Lucknow on 4th Oct. 2011 during foundation day week.
- Delivered a Guest Lecture during a workshop on Radiation Safety organized at Era Medical College, Lucknow on 12th Jan. 2012.

PK Pradhan

- Delivered invited lecture on “Tele consultation and Tele-follow-up in thyroid cancer” International Telemedicine congress from 11th -13th Nov. 2011, Mumbai, India.
- Conducted the telemedicine application session as Co-chair in International Telemedicine congress from 11th -13th Nov. 2011, Mumbai, India.
- Delivered invited lecture on radio-iodine treatment and follow-up of metastatic disease in Lucknow differentiated thyroid cancer in 43rd Annual conference of SNM, India from 8th-11th Dec. 2011 at Chennai.
- Delivered invited lecture on “Status of telemedicine in India” in a telemedicine workshop at Seoul, Korea on 29th June, 2011.
- Delivered invited lecture on “Utility of PET/CT in CAD” in a national seminar on Positron Emitting at BARC, Mumbai from 12-14th March, 2012.

S Barai

- Abstract presentation in 5thSaarc congress of radiology held at Dharan, Nepal 16-19 Feb. 2012 titled “Effect of Mirtazapine on gastric emptying in patients with skeletal metastasis complaining cancer anorexia.”

AArya

- Oral paper presentation at the 50th Annual conference of the Korean Society of Nuclear Medicine, 3-5 Nov. 2011, Seoul National University Hospital, Seoul S. Korea.
- Topic – Classification of equivocal neck uptake on radioiodine ablation whole body scan using SPECT/CT in patients with differentiated thyroid cancer.

Future Plans

- The department is gearing up for installation of Cyclotron & PET facility in this Institute. The creation of Cyclotron facility at SGPGIMS would not only provide the desired Positron Emitting Radionuclide such as F-18, O-15, C-11 & N-13 to be used in cancer patients at SGPGIMS but also help other cancer centers and research Institutions of the State.
- In order to help developing areas like molecular imaging using radionuclide and support stem cell research, the department is engaged in evolving a detailed plan to create animal PET facility in near future.
- The department is also planning to have state of the art technique relating to in-vivo clinical dosimetry for diagnostic and therapeutic procedures in Nuclear Medicine. The department looks forward for acquiring TLD reader and other gadgets needed for creating clinical dosimetry facilities in the department. On the therapeutic nuclear medicine front, the department intends to use newly emerging radio-nuclides such as Yttrium-90 Rhenium-188 and Lutetium-177 and Sm-153 to enhance the scope of therapeutic nuclear medicine. Steps are being taken to create necessary infrastructure within the department to enable expansion of therapy wing. The department intends to work comprehensively to acquire and activate this facility. On the academic front need is being felt to take initiative on the newer developing issues like correlative imaging and Nuclear Cardiology.
- There has been increase in MD Nuclear Medicine seats from one to two and there is proposed to start new PDCC courses namely radionuclide therapy and correlative imaging. These courses will help to encourage nuclear medicine post-graduates for in-depth training in radio-nuclide therapy and combining the various imaging procedure for better diagnosis and follow-up of disease.

Department of Pediatric Gastroenterology

Faculty		Professor & Head
SKYachha		
	Ujjal Poddar	Additional Professor
	Anshu Srivastava	Associate Professor
	Laxmi Kant Bharti	Assistant Professor (Applied Human Nutrition)
Residents/Students		
DM	2	Anorectal manometry 03
PDCC	4	24 hrs ambulatory pH metry 11
Hospital Service Residents	5	Glucose hydrogen breath test 15
		Lactose hydrogen breath test 04
Departmental Activities		
Patient Care Services		Pediatric Endoscopy Services (Total procedures - 1557)
OPD		Upper gastrointestinal endoscopy (diagnostic) 388
Old follow-up	2839	Endoscopic sclerotherapy 706
New Registration	1294	Endoscopic variceal ligation 153
Admission	1046	Esophageal dilatation 122
Investigations		Foreign body removal 05
Pediatric Gastro Lab (Total – 321, recently established tests)		Full colonoscopy 66
Non-glucose reducing substance	280	Full colonoscopy + polypectomy 26
Sweat chloride	06	Glue Injection 02
Esophageal manometry	02	Proctosigmoidoscopy 68
		Short colonoscopy 17
		Short colonoscopy +polypectomy 04

Special Services

Pediatric Gastroenterology, Pediatric Hepatology and Applied Nutrition. Endoscopic services: diagnostic and therapeutic for infants and children. Pediatric clinical nutrition outpatient once a week. Gastrointestinal motility in infants and children.

New Surgical Procedures or Investigations carried out

Galactose 1 phosphate Uridyl transferase enzyme activity (quantitative) test, Screening test for Galactosemia, Sweat chloride test: Screening test for cystic fibrosis.

Teaching & Training

- DM in Pediatric Gastroenterology
- PDCC in Pediatric Gastroenterology,
- Hospital Service Senior Residents.
- Observers: DM Gastroenterology residents from CMC, Vellore.

Honors and Awards

National

- Oration by Surrender K Yachha "Wings of expansion of Pediatric Gastroenterology in India" 21st Annual Conference of Pediatric Gastroenterology, Hepatology and Nutrition November, 2011 Gurgaon, Haryana.
- Best research paper award: "Significance of histopathological features in differentiating autoimmune from non-autoimmune liver disease in children". Niraj Kumari, Rachana Kathuria, Anshu Srivastava, Narendra Krishnani, Ujjal Poddar, Surender K Yachha. IAP-ID 14th Annual CME: Non-Neoplastic Liver Diseases, October, 2011, Chandigarh.
- First Best paper award (Oral) in Hepatology entitled "Varying faces of abdominal tuberculosis in children. Need for precise diagnosis" Rohan Malik, Anshu Srivastava, SK Yachha, Ujjal Poddar. 21st Annual Conference of Pediatric Gastroenterology, Hepatology and Nutrition November, 2011 Gurgaon, Haryana
- Second Best paper award (Oral) in Gastroenterology entitled "Predictors of early response to immunosuppression in children with Autoimmune liver disease" Rachana Kathuria, Anshu Srivastava, SK Yachha, and Ujjal Poddar. 21st Annual Conference of Pediatric Gastroenterology, Hepatology and Nutrition. November, 2011 Gurgaon, Haryana.
- Second Best paper award (Poster) Hepatology entitled "Need for recognizing widened manifestations of childhood sporadic acute viral hepatitis warranting differences in management. V Borkar, Anshu Srivastava, A Mathias SK Yachha, and Ujjal Poddar.

21st Annual Conference of Pediatric Gastroenterology, Hepatology and Nutrition November, 2011 Gurgaon, Haryana.

Member of Editorial Committee

SK Yachha

- Journal of Gastroenterology and Hepatology (Wiley-Blackwell)
- Gastroenterology and Hepatology (CSCanada)

Ujjal Poddar

- Indian Journal of Gastroenterology (2010-2011)

Conference Presentations

SK Yachha

- Interactive sessions: CME for postgraduate students at Manipal hospital Bangalore. April, 2011.
- Lecture: Acute diarrheal disease in children- practical guideline. South Delhi branch of Indian Academy of Pediatrics. May, 2011.
- Constipation in children. Pediatric Gastroenterology Update June 2011, Aurangabad. Maharashtra.
- Celiac disease in children. Pediatric Gastroenterology Update June 2011, Aurangabad, Maharashtra
- Gastroesophageal reflux disease. Pediatric Gastroenterology Update June 2011, Aurangabad, Maharashtra.
- Celiac disease in India under the auspices of Indian society of Gastroenterology July, 2011, Mangalore.
- Is functional abdominal pain a fore-runner of irritable bowel syndrome in children? 1st Biennial meeting of Indian Motility and Functional Diseases Association. August, 2011, Lucknow
- Extrahepatic portal venous obstruction: Debate- Is endoscopy better? International Liver Symposium 2011. August, 2011. Gurgaon
- Chairperson session: improving survival in cirrhotics. Hepatology Live 2011. Organized by Globe Medicare under auspices of UP State Chapter of Indian Society of Gastroenterology.
- Chaired session: Pediatric CME and workshop: organized by CCM, SGPGIMS, September, 2011, Lucknow
- Invited lecture delivered: Role of Probiotics, ORS and Zinc in acute diarrhea. Indian Academy of Pediatrics, September, 2011, Kanpur.
- Invited lecture delivered: Chronic diarrhea in children. Indian Academy of Pediatrics, September, 2011, Kanpur.
- Case based approach in neonatal cholestasis. Awesome- Raipur. October, 2011, Raipur
- Lecture: management of acute liver failure in children. Awesome- Raipur. October, 2011, Raipur.
- Oration "Wings of expansion of Pediatric Gastroenterology in India" 21st Annual Conference of Pediatric Gastroenterology, Hepatology and Nutrition. November, 2011 Gurgaon, Haryana.

- Probiotics in Pediatric Practice. 21st Annual Conference of Pediatric Gastroenterology, Hepatology and Nutrition. November, 2011 Gurgaon, Haryana.
- Acute on chronic liver disease: Does it occur in children? 52nd Annual Conference of Indian Society of Gastroenterology, November 2011 Coimbatore.
- Varied presentation of NCPH: Master class in Liver Diseases, December, 2011, Chennai.
- Neonatal and infantile liver failure: expert presentation for formulation of "Position statement on acute liver failure in children" by Pediatric Gastroenterology subspecialty of Indian Academy of Pediatrics. December, 2011, Apollo Hospital Delhi.
- Recurrent abdominal pain in children. "Redefining office practice". 37th Annual Conference of Gujarat State Branch of IAP, December, Daman
- Interpretation of liver function tests in children. "Redefining office practice". 37th Annual Conference of Gujarat State Branch of IAP, December, Daman.
- "How do I manage" under Indian Academy of Pediatrics Presidential Action Plan 2012. Subject: Chronic diarrhea in children. 49th National Conference of the Indian Academy of Pediatrics, January 2012, Gurgaon.
- Panelist: Intractable diarrhea in children". 49th National Conference of the Indian Academy of Pediatrics, January 2012, Gurgaon.
- Moderator: panel discussion under Pediatric Gastroenterology subspecialty. 49th National Conference of the Indian Academy of Pediatrics, January 2012, Gurgaon.
- Case discussions and lecture: liver disorders and interpretation of liver function tests. Postgraduate course: Manipal hospital, Bangalore. February, 2012.
- Lecture-Therapy of hepatitis B and C in children: Special management issues. Fortis international Liver Summit, Chandigarh, March 2012.
- Panelist: Panel discussion on Portal hypertension. Advance course in Hepatobiliary surgery. SGPGIMS, Lucknow, March, 2012.
- 1st Biennial Meeting of Indian Motility and Functional Diseases Association (IMFDA), SGPGI, Lucknow, August 5-6, 2011. Guest lecture: "Small intestinal bacterial overgrowth in celiac and tropical malabsorption: Frequency, clinical importance and treatment".
- CME on celiac disease, CNBC, New Delhi, August 28, 2011. Guest lecture: "Clinical features: typical and atypical."
- PEDICON 2012, 49th National Conference of the Indian Academy of Pediatrics, January 20 to 22, 2012, Gurgaon. (1) Guest lecture: approach to ascites in children, (2) Panel discussion: acute liver failure in children.
- 20th Annual Conference of INASL, Guwahati, March 2-4, 2012, Panel discussion: metabolic liver diseases.

Anshu Srivastava

- Mid-Term Single Theme Conference of Indian Association for Study of the Liver (INASL) on Metabolic Liver Disease, January 13th-14th 2012, Mumbai
- Talk on Metabolic liver disease presenting with cholestasis.
- Talk on Recurrent abdominal pain in children. Annual conference of UP ISG at Allahabad on 11-12th Feb 2012.
- Moderator for the Postgraduate Master Session: Pediatric hepatology -Cholestasis beyond the neonatal period. At 20th Annual meeting of INASL on 2-4th March 2012, Guwahati, Assam.
- IBD in children: Is it on the rise? 52nd Annual meeting of Indian Society of Gastroenterology, 18th-22nd November 2011, Coimbatore.
- Management of chronic hepatitis B in children. 52nd Annual meeting of Indian Society of Gastroenterology, 18th-22nd November 2011, Coimbatore.
- Practices not right in management of celiac disease. 21st Annual Conference on Pediatric gastroenterology, Hepatology and Nutrition 4-6th Nov 2011, Gurgaon.
- Rheumatologic and GI interface. Annual conference of Pediatric Rheumatology, 3rd-4th September 2011, Lucknow.
- Helicobacter pylori in children. First Biennial meeting of Indian association of Functional GI disorders, 6th-7th August 2011, Lucknow

Ujjal Poddar

- 14th Annual Conference of Indian Society of Gastroenterology-West Bengal Chapter, Kolkata, 29-30th April, 2011. Guest lecture: "Pediatric IBD in India: Clinical challenges."
- IAP-Lucknow, CME on July 24, 2011. Guest lecture: "approach to UGI bleed in children"
- Pediatric Gastroenterology Summit, Jaipur, July 31st 2011. Guest lecture: Recurrent abdominal pain.
- Pediatric Gastroenterology Summit, Jaipur, July 31st 2011. Guest lecture: Approach to a child with HBsAg positivity.
- Pediatric Gastroenterology Summit, Jaipur, July 31st 2011. Guest lecture: Chronic constipation in children.
- Pediatric Gastroenterology Summit, Jaipur, July 31st 2011. Moderator of a panel discussion on celiac disease.
- Pediatric Gastroenterology Summit, Jaipur, July 31st 2011. Golden rules from experts (open house): common GI issues.

Outstanding Features & Summary

- Started a new training program of DM Pediatric Gastroenterology for the first time in the country.
- Developed new in-house laboratory tests for infants and children related to the field.
- At National level: oration, awards, research papers and education of doctors in different regions of India.
- At International level: editorial board member, contributions to book chapters, consensus statements, research publications, abstract presentations in world class societies like American college of Gastroenterology and Digestive Diseases Week, USA.

- Dr.S.K.Yachha: Chosen by ICMR, New Delhi as an expert on Celiac disease awareness at National level, 2011 and expert in the project review group on probiotic research in children by ICMR. New Delhi.
- Biliary and pancreatic endoscopic interventions.
- Expansion of the department in terms of faculty and patient related services.
- Development of specialized neonatal gastroenterology.

Future Plans

- Set up impedance and highest technical advances in gastrointestinal motility for children.

Department of Pediatric Surgery

Faculty

Richa Lal

Basant Kumar

Vijay Upadhyaya

Additional Professor & Head

Assistant Professor

Assistant Professor

Residents / Students

Hospital Service Senior Residents 6

Departmental Activities

Patient Care Services

Since the new building under Pradhan Mantri Swasthya Suraksha Yojana (PMSSY) is under construction, the new department of Paediatric Surgery has been allocated 10 beds on the first floor of the Advanced Pediatric Centre. The dept. runs 2 outpatient clinics every week (Tuesday and Thursday), has 10 beds and 2 operating session per week. Once the new building becomes functional, the dept. shall have 30 in-patient beds (inclusive of 10 ICU beds), and out-patient clinics and operating sessions on all five days a week.

An average of 100 cases receives consultation in the OPD every month. A total of 1107 patients received consultation in the OPD in the year under review.

The thrust areas for clinical and research work in the department currently are: hepato-biliary surgery, surgery for portal hypertension, gastrointestinal bleed, diseases of the pancreas, esophageal replacement operations, restorative proctocolectomy, pediatric malignancies and re-operative surgery in small babies. The dept. of

Paediatric Surgery at SGPGIMS, Lucknow is recognized as one of the few high volume centres for complex pediatric biliary surgery and surgery for portal hypertension across the country. In the year 2011, a total of 151 major surgical procedures were performed. Of the operative procedures performed in this year, the special surgical procedures performed were: Portoenterotomy for Biliary atresia, Choledochal Cyst excision, Porto-systemic Shunt procedures for Portal Hypertension, Pancreatic resections for pancreatic tumours and pancreatic duct drainage procedures for chronic pancreatitis, Esophageal replacement for corrosive stricture esophagus, Surgical procedures for gastrointestinal bleed, Restorative proctocolectomy. The department provides round the clock emergency services and paediatric surgical cover for all patients admitted under paediatric gastroenterology and any other specialty of the institute.

Teaching and Training

The Department has regular interactive teaching sessions with dept. of Pediatric Gastroenterology, Radiology and other allied departments. Weekly seminars, bedside case discussions, monthly audit sessions & yearly clinical grand rounds are conducted regularly. The dept. has been contributing regularly to CME activities within the institute and outside the institute.

Conference Presentation

Richa Lal

- Current status of Management of Biliary atresia and its complications
- Pediatric Surgery update, Maulana Azad Medical College, New Delhi. March 2011
- Ideal timing of Kasai's PE
- International liver symposium organized by the Medanta Institute of liver transplantation & regenerative medicine. 28th August 2011
- Biliary atresia-key issues in Surgical management
- Indian chapter of International hepato-pancreato-biliary association, 26th November 2011. Bhopal
- Nominated as paper setter by the faculty of Medical sciences, University of Delhi for M.Ch. (Paediatric Surgery) entrance examination

Basant Kumar. Vijay Upadhyaya:

- Role of fibrin glue in hypospadias repair; Upadhyaya VD, Kumar B, Bhatnagar A. Pediatric Urology update. MP chapter. Jabalpur Feb 2011
- Congenital anterior urethra-cutaneous fistula. Bhatnagar A, Kumar B, Upadhyaya VD APSI Annual conference, Coimbatore. September 2011

Outstanding Features & Summary

- The Department provides quality clinical care to all pediatric surgical patients in this institute and continues to contribute to academic activities as well. Most of the surgical procedures performed comprise of major and complex procedures performed in small and high risk babies. The thrust areas for clinical and research work in the department currently are: hepato-biliary surgery, surgery for portal hypertension, gastrointestinal bleed, diseases of the pancreas, esophageal replacement operations, restorative proctocolectomy, pediatric malignancies and operative surgery in small babies.

- The Department of Paediatric Surgery at SGPGIMS, Lucknow is recognized as one of the few high volume centres for complex pediatric biliary surgery and surgery for portal hypertension across the country.
- This department is a new department created as a part of second phase development of the institute under the Pradhan Mantri Swasthya Suraksha Yojana.. As the department would expand in terms of resources (physical infrastructure and manpower), the volume and spectrum of clinical, academic & research work output would also expand.
- The department held its first "Board of Studies" meet in February 2011. The "Board of studies" granted approval for starting a 1-year post doctoral fellowship in Paediatric Surgical Gastroenterology and M.Ch. in Paediatric Surgery. This was subsequently approved by the 44th Academic Board Meeting held on April 15, 2011 (Agenda item no. 44.12).

Future Plans

- Development of fully functional independent department of Paediatric Surgery with:
- 30 bedded inpatient facility with fully equipped paediatric and neonatal surgical intensive care unit
- Development of all subspecialties of paediatric surgery namely: paediatric GI surgery, paediatric urology, neonatal surgery, paediatric oncology surgery, minimally invasive surgery and paediatric thoracic surgery.
- Teaching and training programs in paediatric surgery: Post doctoral fellowship (PDF) in Paediatric Surgical Gastroenterology and other subspecialties of Paediatric surgery as they develop., M.Ch. (Paediatric Surgery)
- In service training of nursing staff: Neonatology nurse, stoma care nurse, infection prevention & control nurse.

Department of Pathology

Faculty

Manjula Murari

Rakesh Pandey

V Ramesh

N. Krishnani

Seema Sharma

Manoj Jain

Lily Pal

Vinita Agrawal

Sushila Jaiswal

Neeraj Kumari

Ram Nawal

Ritu Verma

Professor & Head

Professor

Professor

Professor

Professor

Professor

Professor

Additional Professor

Associate Professor

Associate Professor

Associate Professor

Associate Professor

Residents/Students

MD Students 08

PDCC (Renal Pathology) 01

Hospital Service Senior Residents 14

Departmental Activities

Patient Care Services

Histopathology (no. of cases) 11549

Cytopathology (no. of cases) 6527

EM (no. of cases) 39

Immunofluorescence (no. of cases) 657

Immunohistochemistry (no. of cases) 563

Frozen section (no. of cases) 246

Urine/Body Fluids 30633

Hematology tests 437318

Coagulation tests 45153

Bone Marrow Aspiration (no. of cases) 2497

Clinical Chemistry tests 856705

Teaching and training

- Faculty members, senior residents and MD students of the Department participate in journal clubs and seminars, which are held once a week.
- Clinic pathological slide seminars (Two per week) are held in association with clinical departments, viz. Gastrointestinal & Hepatic Pathology, Renal

Pathology, Immunopathology, Neuropathology, Endocrine Pathology and Urologic Pathology.

- Lecture/tutorials and case discussions for MD students are held twice a week.
- DM/M.Ch/MD students from clinical departments are posted in the department for 2-4 weeks for training in pathology related to their specialty.
- Department regularly participates in Telepathology programme held at Centre for Telemedicine.

Honours and awards

Referee/Reviewer of a Journal

M.Murari

- Asian Journal of Transfusion Medicine

R Pandey

- Indian Journal of Cancer
- Indian Journal of Medical Research
- Indian Journal of Pathology and Microbiology
- Journal of Postgraduate Medicine

V Ramesh

- Indian Journal of Clinical Biochemistry
- Reviewer: Indian Journal of Medical Research (IJMR).

N Krishnani

- Indian Journal of Medical Research.
- Indian Journal of Pathology and Microbiology
- Indian Journal of Gastroenterology
- European Journal of Surgical Oncology

M Jain

- Indian Journal of Urology
- Indian Journal of Nephrology

Lily Pal

- Journal of Indian Academy of Neurology.
- Vinita Agrawal
- Journal of Gastroenterology and Hepatology
- Journal of Surgical Oncology
- Histology and Histopathology
- Hepatology International
- Cytopathology
- Indian Journal of Urology
- Indian Journal of Gastroenterology

Ram Nawal Rao

- Diagnostic Cytopathology
- British Journal of Medicine and Medical Research

Travel grants and other awards

Vinita Agrawal

- Award for best paper 'Expression of Podocyte Associated Molecules in Acquired Primary Nephrotic Syndrome' at the 3rd International CME in Renal and Transplant Pathology, Apollo Hospitals, Hyderabad, 16th -18th September, 2011.
- ICMR travel grant to attend international conference and present a paper at the 11th Banff Conference on Allograft Pathology, Paris, Enghien-les-Bains, France, June, 2011.

Ram Nawal Rao

- Award of Honours for 'Histopathological Grading with Subtyping, Recurrences and Outcome in Ependymomas Association with Molecular Analysis of Simian Virus 40 Infection' at the 60th Annual Conference of IAPM (APCON 2011) December, Govt. Medical College Patiala (Punjab) India.

Niraj Kumari

- 2nd best poster award for "Significance of Histopathological Features in Differentiating Autoimmune from Non-autoimmune Liver Disease in Children." Kumari N, Kathuria R, Srivastav A, Krishnani N, Poddar U, Yachha SK. Midterm conference of International Academy of Pathology – Indian Division, Non-neoplastic liver diseases, 1st – 2nd October 2011, PGIMER Chandigarh.

Guest lectures/other assignments

M Murari

- Contributor to Pathology syllabus and Question Bank: National Board of Examination.

R Pandey

- Member, Specialty Board for Pathology, Medical Council of India

Seema Sharma

- Examiner for 2nd MBBS Examinations at CSSMU, Lucknow

Manoj Jain

- PDCC Renal Pathology examiner at PGIMER Chandigarh
- PhD Examiner at PGIMER Chandigarh
- MBBS and DCP Examiner at CSSMU (KGMC) June 2010
- AIIMS MD Thesis Evaluation
- MD Thesis evaluation PGIMER Chandigarh
- MBBS Examiner - Era's Medical College

Conference Presentations / Invited Lectures

N.Krishnani

- International conference on Surgical Pathology 2011, Hong Kong

Manoj Jain

- Expression of Podocyte Associated Molecules in Acquired Primary Nephrotic Syndrome. Vinita Agrawal, R Pandey, M Jain, N Prasad. International CME in Renal & Transplant Pathology, Hyderabad. September 2011
- Isolated renal mucormycosis presenting as acute abdomen: Report of three cases Mukul Vij, R Verma, V Agrawal, M Jain, R Pandey. International CME in Renal & Transplant Pathology, Hyderabad. September 2011
- Histological spectrum of chronic allograft dysfunction in renal transplant recipients. Manoj Jain, Pallav Gupta, Vinita Agrawal, Narayan Prasad, RK Sharma. 11th Banff conference on Allograft Pathology, Paris. June 2011
- Histological features of diabetic nephropathy in renal allograft recipients. Pallav Gupta, Manoj Jain, Narayan Prasad, RK Sharma. Paris. June 2011
- Infections in Renal Allograft Recipients. International CME in Renal & Transplant Pathology, Hyderabad. September 2011
- Image cytometry. Workshop on Image Analysis & Morphometry in Pathology. Department of Pathology, AIIMS, New Delhi. May, 2011
- IgA Nephropathy, Pathology and Pathogenesis. Renal Pathology for the Nephrologists-International CME on Renal Pathology. GB Pant Hospital, New Delhi. January, 2011.

Vinita Agrawal

- V. Agrawal, R. Pandey, M. Jain, N. Prasad. 'Expression of Podocyte Associated Molecules in Acquired Primary Nephrotic Syndrome' at the 3rd International CME in Renal and Transplant Pathology held at Apollo Hospitals, Hyderabad, 16th -18th September, 2011.
- V. Agrawal, N. Prasad, R. K. Sharma. T/NK cell post-transplant lymphoproliferative disorder in renal allograft recipients: An experience from a transplant centre in North India. 11th Banff Conference on Allograft Pathology, Paris, Engghien-les-Bains, France. June 6-10, 2011.

Niraj Kumari

- Groove Pancreatitis – Surgical Management by Pancreaticoduodenectomy. Abhimanyu Kapoor, Rajneesh Kumar Singh, Niraj Kumari, Rajan Saxena. Indian chapter of International Hepato-Pancreato-Biliary Association, Bhopal, November 2011.
- Significance of Histopathological Features in Differentiating Autoimmune from Non-autoimmune Liver Disease in Children. Kumari N, Kathuria R, Srivastav A, Krishnani N, Poddar U, Yachha SK. Midterm conference of International Academy of Pathology – Indian Division, Non-neoplastic liver diseases, PGIMER Chandigarh, 1st – 2nd October 2011,
- Newer Histological Features in Hyperparathyroidism-induced Hypercalcemic Crisis. Agarwal A, Gupta S, Singh DN, Kumari N, Krishnani N, Chand G, Mishra A, Agarwal G, Verma AK, Mishra SK. Annual Meeting of American Association of Endocrine Surgeons, 9th-12th April, 2011, Houston, USA.

Ritu Verma

- Clinical case presentation in 10TH Postgraduate course in Endocrine surgery. November 2011. SPGIMS, Lucknow

Ram Nawal Rao

- Histopathological Grading with Subtyping, Recurrences and Outcome in Ependymomas Association with Molecular Analysis of Simian Virus 40 Infection at 60th Annual Conference of IAPM (APCON 2011) December, Govt. Medical College Patiala, India.
- Primitive Neuroectodermal Tumor of the Kidney with Inferior Vena Cava Tumor Thrombus and Adrenal Metastasis : A Extremely Rare Case Report ,UP-Pathcon 2011, Ruhelkhand medical college, Raibarely, UP
- Immunohistochemical detection of ER,PR and HER2 Expression on Cell Blocks and Tissue Blocks of breast carcinomas using the Novel Rabbit monoclonal antibodies (SP1,SP2 and SP3) at Dharwad, SDM medical college Karnataka, CYTOCON-2011
- Pediatric adrenocortical tumor a case presentation in 10th Postgraduate Course in Endocrine Surgery , 3-6th Nov 2011 at SGPGIMS, Lucknow,

Training/workshop/Fellowship

Ram Nawal Rao

- Cell block in Cytopathology at dharwad, Karnataka, 10-13 Nov, Cytocon 2011
- Workshop on DNA Diagnostic, SGPGIMS,Lucknow 2011

Future Plans

N Krishnani

- To set up molecular pathology laboratory and mortuary.

Seema Sharma

- To start new tests in coagulation laboratory.

Lily Pal

- To work on epilepsy and developmental neuropathology, neurooncology.

N Kumari

- To standardize molecular tests for solid tumors and bring the already established tests in routine patient care.

Ram Nawal Rao

- Immunohistochemistry on cell blocks in cytopathology cell block with Immunocytochemistry

Sushila Jaiswal

- To start acetylcholinesterase histochemistry and calretinin in the diagnosis of Hirschprung's disease routinely in the department

Ritu Verma

- To start muscle and nerve lab in the Department of Pathology.

Department of Plastic Surgery

Faculty

Rakesh Kapoor

Ankur Bhatnagar

Prof & Head

Assistant Professor

Residents / Students

Hospital Service Residents 2

Departmental Activities

Patient Care Services

OPD

Old Follow-up 1639

New Registration 521

Admission

Operations

Minor 100

Major 200

Teaching and Training

Weekly Seminar, Case Planning and Journal Club

Honors and Awards

Ankur Bhatnagar

Junior Travelling Fellowship of The Association of Plastic surgeons of India

Referee/Reviewer of a Journal

Ankur Bhatnagar

International Journal of Trichology

Conference Presentation

- A Rare Case of Serrule Martorelle Syndrome: Annual Conference of Association of Plastic Surgeons of India
- Congenital Urethrocutaneous Fistula: Annual Conference of Association of Plastic Surgeons of India
- Chaired session on Head and Neck reconstruction at the Annual Conference of Association of Plastic Surgeons of India

Workshop / Conferences Organized

- Part of organizing team of the Annual Conference of Plastic Surgeons of India

Outstanding Features & Summary

- Started microvascular and microneural surgery in the institute.
- Started complex head and neck reconstruction including free flap reconstruction
- Department is one of the leading centre in the state for management of complex vascular malformations

Future Plans

To establish a state of the art burns unit and hand surgery unit in the institute.

Department of Pulmonary Medicine

Faculty

UK Mishra

Alok Nath

Professor & Head (Acting)

Assistant Professor

Residents / Students

Hospital Service Residents 5

Departmental Activities

Patient Care Services

OPD registration

New patients 2174

Old patients 8381

Admission 447

Investigations

Fibreoptic bronchoscopy 413

Pulmonary function test 2520

Teaching And Training

Seminar Every Thursday

Bedside Every Tuesday

Ward rounds Twice daily

Radiology Pulmonary Rounds Twice daily

CGR As per the schedule

Honours & Awards

- Reviewer of a Journal
- Lung India
- World journal of Pediatrics
- Journal of Thoracic Medicine

Future Plans

- To start medical thoracoscopy and interventional pulmonology in SGPGI
- To set up a Respiratory Intensive Care Unit.
- Launch a project related management of childhood ABPA.
- To start DM programme in Pulmonary and critical care medicine.

Department of Radiodiagnosis

Faculty

RV Phadke

RK Gupta

Sunil Kumar

HK Singh

Archna Gupta

Hira Lal

Sheo Kumar

Zafar Neyaz

Professor & Head

Professor

Professor

Additional Professor

Additional Professor

Assistant Professor

Assistant Professor

Assistant Professor

Dr. H.K. Singh & Dr. Archna Gupta were promoted from Additional Professor to Professor on 27th January, 2012 with retrospectively effective from 1st July, 2009 & 1st July, 2011 respectively.

Dr. Hira Lal & Dr. Sheo Kumar were promoted from Assistant Professor to Associate Professor on 27th January, 2012 with retrospectively effective from 1st July, 2010.

Residents

Service Senior Residents	12
MD (Junior Residents)	11
PDCC	05
Ph.D.	02

Departmental Activities

The Department of Radiodiagnosis has been functioning since January 1988. It is equipped with all the latest modern imaging facilities such as 3 Tesla Magnetic

Resonance Imaging, 64 Slice Brilliance CT Scanner, 128 Slice CT Scanner, Digital Radiography, Computerized Radiography, Digital Subtraction Angiography, Ultrasonography, Intravenous Urography, Mammography, Conventional and Mobile X-ray Units. The Department provides the entire spectrum of routine and emergency radiological services, which include conventional, modern imaging and interventional facilities under one roof. This setup is unique in the state and in fact very few hospitals in our country can equal this. The clinical work is complementary to the super-specialty nature of the Institute. The faculty of the Department is also well trained and has specialized in various fields of Radiology to cover the entire range of investigations and treatment options. In addition to the clinical work, the Department also has teaching (MD, PDCC, Ph.D.) and post-MD training programs in the form of junior and senior residencies. Additionally, the department has been imparting training for the Radiologists from various part of the state. There are interdepartmental as well as intradepartmental academic sessions, which serve to enhance the

knowledge of all participants. In the research area, in the field of MR, applications of diffusion tensor and perfusion imaging in various neurological disorders are being investigated. In the second thrust area, i.e. the development of Indigenous materials for interventional procedures, the deployment of indigenous stent has been extended in Venous-occlusive diseases and continued in diseases involving hepato-biliary system, esophagus and urethra.

New Services offered

- CT Guided biopsy of Mediastinal masses.
- CT angiography of abdomen clubbed with CT enterography/enteroclysis.
- New equipments installed: Flat Panel DSA (Philips Allure XPer FD 20 System) on 4th October, 2012.

Investigation

X-ray (CR+DR+Bedside+ Conventional)	63470
Urological Investigation	807
CT Scan (64 Slice CT & 128 Slice CT)	10595
DSA	461
Gastro Studies	1550
Interventional Cholangio+PTC	1767
Magnetic Resonance Imaging (MRI)	8686
Mammography	697
Ultrasound	21089
Doppler Ultrasound	3029
Miscellaneous	222

Teaching & Training

Brief resume of teaching programme of Residents (JR/SR):

The Departmental teaching schedule include

Monday	Interdepartmental conferences alternate week with clinical immunology and Endocrinology
Tuesday	Seminar JR/SR/ Supervised by Faculty/ Guide.
Wednesday	CPC, Chandigarh and Case Discussion JR/SR supervising Faculty/Guide.
**Thursday	Uroradiology conference
**Friday	Gastroradiology conference (8AM-9AM)
Saturday	Clinical grand round
**Saturday	Neuroradiology conference (after CGR) Physics Lectures for Junior Residents.

(*In these conferences, Junior / Senior Residents present the cases)

MD students of the department are being sent to the King George's Medical College, Lucknow for training in certain areas of conventional radiology.

Teaching of students from other departments:

The MCh students of the Departments of Surgical Gastroenterology / Neurosurgery and DM students of the Department of Neurology and Gastroenterology have short posting in the Department.

Teaching of students from other Institution:

The Department is imparting short term training/ observership in Imaging modalities which includes Ultrasonography, Computed Tomography (CT), MRI, DSA and Interventional radiology to postgraduate students and Radiologists from various Medical Colleges and district hospitals deputed by the Director of Health, UP. The duration of training is 1-3 months.

Honours and Awards

RK Gupta

- 22nd June - July 13, 2011, Houston, as Visiting Professor
- Member of Editorial Committee

RV Phadke

- Currently Associate Editor of the Indian Journal of Radiology and Imaging.
- Editor in Chief of the Neuroradiology Journal.

RK Gupta

- Member of the Editorial Board – Am J Neuroradiol (AJNR).
- Member of the Editorial Board (Neuroradiology Section) - Indian Journal of Radiology and Imaging.
- Member of the Editorial Board – Journal of Clinical and Experimental Hepatology.

Referee/Reviewer of a Journal

RV Phadke

- British Journal of Radiology.
- Child Nervous System
- The Neuroradiology Journal

RK Gupta

- Magnetic Resonance in Medicine (MRM)
- Magnetic Resonance Imaging (MRI)
- Journal of Magnetic Resonance Imaging (JMRI)
- Nuclear Magnetic Resonance in Biomedicine (NMR Biomed)
- American Journal of Neuroradiology (AJNR)
- Acta Neurochirurgica (Acta Neurochir)

- Journal of Neurology, Neurosurgery and Psychiatry (JNNP)
- Brain Research
- Neurology India
- Indian Journal of Medical Research
- Scandinavian Journal of Neurology
- J Neuroimaging
- MR Insight
- J Pediatric Infectious disease.
- Neuroradiology
- Journal of Clinical and Experimental Hepatology
- Indian J Radiology and Imaging
- Hepatology
- Gastroenterology

Sunil Kumar

- Annals of Thoracic Medicine
- Journal of Paediatric Neurology
- Executive Member Indian Society of Neuroradiology

HK Singh

- Referee of the Federation of European Biochemical Society Journal "FEBS Letters".

Hira Lal

- Journal of Forensic Medicine and Toxicology.

Zafar Neyaz

- Journal of Radiology Case Reports.
- Indian journal of Gastroenterology.

Conference Presentation/Invited Lectures

Zafar Neyaz

- Invited lecture entitled "Percutaneous CT-guided needle biopsy" presented at 25th RICON UP State IRIA Conference held at Lucknow on 19th-20th Nov 2011.
- Delivered a talk in 10th postgraduate course in endocrine surgery held at Lucknow on 3rd-6th November 2011.
- Electronic Poster presentation "CT guided percutaneous biopsy of mediastinal lesions" at 65th annual conference of Indian Radiological & imaging association held at Hyderabad on 28th-31st Jan 2012.

Visiting Scientists

- Dr. Alperin Noam, Department of Radiology, Miller School of Medicine, University of Miami, Miami, USA visited the department of Radiodiagnosis from 3rd – 8th October, 2011.

Future Plans

New Equipment	Unit	
1. Mammography – Digital with biopsy	1	Planned for 2012-13.
2. Musculoskeletal MRI	1	Being installed in PMSSY
3. Emergency Ultrasound Machine	1	Planned for 2012-13
4. Workstation EBW for Philips CT	1	Planned for 2012-13
5. Ultrasound for Intervention	1	Planned for 2012-13
6. High end Ultrasound – 4D	1	Planned for 2012-13

Thrust Areas

- Neuroradiology (Diagnostic & Interventional)
- Gastro-radiology (Diagnostic & Interventional)
- Functional MRI
- Vascular-radiology (Diagnostic & Interventional)
- Musculoskeletal Imaging
- Breast Imaging & Intervention

Department of Radiotherapy

Faculty

Shaleen Kumar

Professor and Head

Punita Lal

Professor w.e.f July 2010

Neeraj Rastogi

Additional Professor

KJ Maria Das

Associate Professor

Shalini Singh

Associate Professor

Sushma Agrawal

Associate Professor

Medical Physicists	03	Patient exposures on Low Energy Linac	31252
Residents / Students		Patient exposures on High Energy Linac	42331
Junior Residents	05	CT Scan for Planning	916
Hospital Service Residents	05	Treatment Planning	569
Junior Research Fellow (Med. Physics)	02	Chemotherapy (Day care ward)	4716
Departmental Activities		Brachytherapy	149
Services		Mould Room Procedures	529
Patient Care		Teaching and Training	
OPD registrations		Daily morning seminars taken by residents, medical physicists and faculty members from 8 – 9.30 AM which also includes seminars, case discussions, journal clubs, radiobiology classes, medical physics tutorials and transmission of these classes via Tele-radiotherapy network to the Department of Radiotherapy, King Georges' Medical University, Lucknow. Inter-departmental seminars with the departments of Surgical Gastroenterology, Surgical Endocrinology, Pathology and Nuclear Medicine. Tele-radiotherapy seminars from Tata Memorial Hospital, Mumbai weekly as per Telemedicine schedule.	
New patients	2551		
Follow up patients	11193		
Admissions	1477		
Others (Treatment modalities)			
Telecobalt Patients	254		
Low Energy Linac Patients	412		
High Energy Linac Patients	417		
Patient exposures on Telecobalt	8601		

Honours and Awards

Sushma Agrawal

- Awarded "ICMR International fellowship for Young Scientists, undertaken at the VU Medical Center, Amsterdam, Netherlands from April 2010 to June 2010
- ICMR International young scientist award 2010" for VU, Amsterdam,

Conference / Workshop Organized

- Organized CME titled, 'Normal Tissue Tolerance – A Primer', held on 21st August 2010 on the occasion of the Departments Foundation Day. Some 30 trainees and consultants participated from elsewhere in UP and Bihar.
- Organized "The 31st Annual Conference of the Association of Medical Physicists of India (AMPICON 2010)" on 18th to 21st Nov 2010. About 400 delegates from India and abroad participated in this conference. The conference had two parallel sessions in various topics related to Medical Physics, included CMC sessions and one of the main highlight was the symposium on the theme of the conference "Technological Innovations : Meeting the Challenge" The abstracts presented in the conference were published in the Journal of Medical Physics (JMP) which is indexed.

Visiting Scientists

- Dr. Anand Mahadevan, Radiation Oncologist, Apollo hospital, Chennai for delivering lecture on Cyberknife for lung, liver and pancreatic tumours with a literature review.
- Prof Mike Brada, Chairman, Radiotherapy & Clinical Oncology, Royal Marsden Hospital, London, UK for delivering lecture on MSc oncology course: time to resttime to learntime to think....

Conference Presentation / Invited lectures

Shaleen Kumar

- Attended world Congress on GI Cancer at Barcelona, Spain on 30June-3July 2010
- Invited faculty, Indian Society of Neuro-Oncology, 2nd Annual Conference, to speak on ' Radiation Induced changes in white matter characterized using diffusion tensor imaging', Chennai, 2-4th April 2010
- Invited speaker, Symposium on Diagnosis and Management of Esophageal carcinoma, organized by Ratan Cancer Hospital & Research Institute, Kanpur to speak on 'Radiotherapy management of carcinoma esophagus', 17th April10
- Invited speaker, at the symposium titled, 'Controversies in neuro-oncology' to speak on 'CNS Radiation Therapy-What a neurosurgeon should know', organized by Roentgen-BLK Radiation Oncology Centre, New Delhi, 28 Aug, 2010

- Invited Speaker, Indian college of Radiation Oncology, pre conference teaching CME, 'Radiation planning – brain tumors', on the occasion of the 32nd Annual Conference of the Association of Radiation Oncologists of India, Patna, 25th-28th Nov2010

Neeraj Rastogi

- Rastogi N, Chemoradiotherapy in Carcinoma of the Anal Canal : A single institution study with 18 year follow up. World Congress on Gastrointestinal Cancer : Asian Perspective, Hong Kong August 27-28th, 2010.
- Invited Speaker, Chemoradiation in carcinoma of cervix at North Bengal Oncology Meeting at Siliguri, West Bengal, February 26th 2011.
- Invited Speaker, Recent Advances in Radiotherapy including Image guided Radiotherapy and Intensity Modulated Radiotherapy in Carcinoma of Prostate at Lucknow Uro-oncology meet April 2010
- Invited Speaker, Role of Radiotherapy in Renal Cell Carcinoma at Lucknow Uro-oncology meet August 2010
- Invited Speaker, "Normal Tissue Complication Probabilities (NTCP) for liver, kidney, small bowel and large bowel at Radiotherapy Foundation Day course at Lucknow on 16th August 2010.
- Attended Cancer screening and awareness camp organized by UP Power corporation Harduaganj, Kasimpur, Aligarh on March 27th 2011.

KJ Maria Das

- Travel Grant from Department of Science & Technology, Govt. of India to attend 2010 Annual meeting of the American Association of Medical Physicists at Philadelphia, USA. USA from 18-22 July 2010.
- Invited Speaker – "Quality assurance of image guided radiotherapy" in the XVI Annual Conference of Tamil Nadu & Puducherry Chapter, Association of Medical Physicist of India, GKNM, Coimbatore from 20th -21st August 2010.
- Invited Speaker – "Risks and patient safety in radiotherapy" in the National Consultation Workshop on Patient Safety organized by DGHS, Ministry of Health and Family Welfare, SGPGI and WHO, SGPGI, Lucknow from 10th - 12th May 2010.
- MariaDas KJ, Mani KR, Yoganathan SA, Agarwal A, Kumar S. Effects of leaf motion calculator parameters in head and neck IMRT. Presented at 52nd AAPM, Philadelphia, PA July 18-22. Medical Physics 37 (6): 3222, 2010.

Future Plans

Expanding infrastructure for patient care and teaching/training

Miscellaneous Activities

Department of Radiotherapy started Residency program in Medical Physics. Government sanctioned 3 positions on 16 Nov 2010 (annual intake of 1 person, for a training period of 3 years, post MSc Medical Physics or MSc Physics & DRP).

Department of Transfusion Medicine

Faculty

R K Chaudhary

Priti Elhence

Anupam Verma

Prashant Agarwal

Atul Sonkar

Professor & Head

Additional Professor

Associate Professor

Associate Professor

Associate Professor

Residents

MD Student	03
Service Sr. Residents	05
PDCC	01

Platelet concentrate	13956
Fresh Frozen Plasma	17674
Cryo Poor Plasma	2769
Cryoprecipitate	2385
Single donor pheresis	274

Departmental Activities

Services

The Hall marks of the blood Collection are :

- Total dependence on voluntary blood donation
- Strict donor screening criteria
- Strict adherence to quality control at all phases of blood processing

Total Blood Donors Registered:	24600
Blood Collection	20566

Component Preparation

Whole blood	35
Packed Red Cell	44
Leucopoor RBC	20271

Approximately 99% of collected blood is subjected to component preparation.

Component issued to various department

Department	Percentage
Gastro-Surgery	10.2
Nephro & Dialysis	8.9
CVTS	9.0
Neuro Surgery	11.5
Gastro Med.	6.6
Genetics	15.9
Immunology/hematology	10.9
Radiotherapy / G. Hospital	2.8
MICU / CCM/ Post Op	5.3
Others	7.5

No. of Component issued

Red Cell units	27769
FFP	18310
Platelets	17254
Cryoprecipitate	4210
CPP	3920

Outdoor / Indoor Blood Donation Camps:

SCentral Institute of Platic Engg. & Technology, Lucknow	07 April, 2011
Bhagwan Shambhavnath Seva Sansthan, Lucknow	16 April, 2011
SantNirankariMandal, Lucknow	24 April, 2011
NABARD, Lucknow	12 July, 2011
Happy 2 Help, Lucknow	10 Sept, 2011
U.P. Diploma Engg. Mahasangh, Lucknow	15 Sept, 2011
TELCO, Chinhat, Lucknow	01 Oct, 2011
Sant Nirankari Mandal, Bakshi Ka Talab, Lucknow	02 Oct, 2011
Bhagwan Shambavnatgh Seva Sansthan, Lucknow	22 Oct, 2011
Dominos Pozza, Lucknow	13 Oct., 2011
IDEA Cellular, Lucknow	03 Nov., 2011
TELCO, Lucknow	05 Nov., 2011
HDFC Bank , , Lucknow	09 Dec., 2011
Sri Guru Singh Sabha, Alambagh, Lucknow	15 Jan, 2012
IET, Sitapur Road, Lucknow	28 Nov., 2011
Central Bank, Lucknow	17 Dec., 2011
TATA Marcopolo Motors Ltd., Lucknow	26 Dec., 2011
Ram Swaroop College, Faizabad Road, Lucknow	15 Dec., 2011
Satya Marg Lodge (NSS Center of Univ. of Lucknow)	22 Dec., 2011
State Bank of India, (Thalasseemics Society), Lucknow	06 Jan, 2012
Larsen & Turbo Limited, Lucknow	17 Jan, 2012
The Piccadily Hotel, Lucknow	25 Jan, 2012
Sardar Patel Dental College & Hospital, Lucknow	20 Jan, 2012

Mahindra Finance (Mahindra& Mahindra), Lucknow	13 Feb, 2012
M/S Aegis Ltd., Lucknow	17 Feb., 2012
TELCO, Lucknow	3 March, 2012
IDEA Cellular, Lucknow	22 March, 2012

Transfusion Transmitted Infection Screening:

In 20566 donors: following markers have been screened in:

Marker	Prevalence
Anti HIV 1& 2	0.57
Anti HCV	0.50
HBsAg	2.4
VDRL	0.28

Immuno-Hematology Service

The diagnostic aid has been provided to various Immuno-hematology disorders, like autoimmune hemolytic Anemia, PNH, cold agglutination disease, hemolytic disease of newborns etc.

Test	No of Test
Direct Coomb's Test	640
Indirect Coomb's Test	807
Cold Agglutinins	37
Antibody titre	53
Antibody Screening	47
Transfusion Reaction Work up	13
Blood Group	3800
PNH (Gel Cards)	135
Herpain /PF4 (HIT)	11
Blood Grouping	46132
X-matching of patient sample	24991

Teaching

Seminars, Journal Clubs, Practical, Demonstrations are regularly held for MD students, PDCC student and Sr. Residents. Teaching sessions are also held for nursing and technical staff.

Short Term Training

Blood Component separation Unit Training Program (through State AIDS Control Society) for blood bank Medical Officers & Lab Technicians from State of U.P.

Blood Safety Training Program -2011 (U.P. State AIDS Control Society, Lucknow)

Lab Technician (Refresher)	55
Medical Officer (Refresher)	36
Lab Technician (Induction)	61
Medical Officer (Induction)	36
Staff Nurse (Refresher)	42
Staff Nurse (Induction)	45

Honours & Awards

RK Chaudhary

- Member of Global Blood Safety Network (GBSN), WHO, Geneva
- Member of Technical Resource Group, national AIDS control organization, India,
- Member of the Academic Board of MCI for discipline of Transfusion Medicine
- Reviewer for International / National Journals (IJMR, Clinical & Lab Hematology, J Postgrad Med, Asian J Transfusion Sci, Indian J Hemat& Blood Transfusion)
- MCI inspector for starting MD Transfusion Medicine course at AFMC, Pune

Priti Elhence

- Reviewer of International and national journals (Tropical Biomedicine, Malaysian journal of medical sciences, Yonsei Medical Journal, Asian journal of Transfusion science)
- Co author of poster awarded Top Poster Award in American Association of Blood Banks (AABB) conference; 22-25th Oct 2011 in San Diego, California (USA).
- Internal resource person for NACO training program
- Faculty for Indira Gandhi National Open University for Post Graduate Diploma in Hospital and Health Management course.
- Telemed Faculty for Blood transfusion for Kabul and other linked medical colleges
- Member of patient safety group at SGPGIMS

Anupam Verma

- Top Poster Award selection in American Association of Blood Banks (AABB) conference; 22-25th Oct 2011 in San Diego, California (USA).
- Invited as an external resource person for NACO-NABH training program held in Lucknow on 28-29 March 2012.
- Internal resource person for NACO training program for technicians

Prashant Agarwal

- Indian Society of Blood Transfusion & Immunohaematology, "H.D.Shourie Award" for vital contribution in the field of Transfusion Medicine

- Member technical committee & principal assessor for National Accreditation Board of Hospitals (NABH)
- Guest faculty for the training program on blood safety at Bhopal Memorial Hospital & Research Centre

A Sonker

- QMS workshop, Bhopal under aegis of NACO India Feb 2012.

Conference / Workshop organized

- Organized NACO blood safety training program for >300 medical & paramedical personal from all over UP.

Conference Presentation / Invited Lectures

RK Chaudhary

- Transfusion support in autoimmune hemolytic anemia. SreeVenkateswara Institute of Medical Sciences, Tirupati, Aug 2011
- Estimating blood needs for the country. Annual Conference of ISBTI at PGIMER, Chandigarh Oct 2011
- Component therapy. Bhopal Memorial Hospital & Research Center, Bhopal, Nov 2011
- Transfusion in Autoimmune Hemolytic Anemia, CMC, Vellore, June 2011
- Rational use of blood components. Indira Gandhi Institute of Medical Sciences, Patna June 2011

Priti Elhence

- To study the usefulness of platelet crossmatching for single donor platelets in the management of platelet refractoriness in hematological patients. Transcon 2011, annual conference of ISBTI, Panchkula, Haryana.
- Quality management in donor room procedures. Transcon 2011, annual conference of ISBTI, Panchkula, Haryana.

Anupam Verma

- Case presentation and lectures for trainees in CME on recent advances and TOT program at SGPGI, Lucknow under aegis of UPSACS on 23-24th April 2011.
- Guest lecture on Massive Transfusion Protocol & use of alternative group blood in stock shortage in State level IV annual refresher course IMA-CGP organized by Allahabad Medical Association at Allahabad on 8th May 2011.
- Presentation in "1st conclave on immunohematology" (National Immunohematology Continuing Education Program) on 1-2 July 2011 at CMC, Vellore.
- Participated in 3 day-workshop on "implementation of quality management system in blood banks" organized by National AIDS Control Organization in Delhi from 25-27 July 2011.

Prashant Agarwal

- Delivered guest lecture on "Equipment Management" at CME of national conference of Indian Society of Blood Transfusion & Immunohaematology, at Chandigarh

- Delivered guest lecture on "Role of Assessor in Blood Bank Accreditation" at a CME organized by Department of Transfusion Medicine, AIIMS, at New Delhi
- Delivered guest lectures at National Level Training Workshop on " Voluntary Blood Donation" organized By NACO at Lucknow

Atul Sonker

- Blood and Blood component Usage in Clinical Practice. CME at GSVM Kanpur.
- Blood and Blood component Usage in Clinical Practice. CME at RLB Medical college Jhansi.
- Blood and Blood component Usage in Clinical Practice. CME at Distt. Hospital, Fajjabad.
- Blood and Blood component Usage in Clinical Practicewith Children Medical College, Afganistan Feb 2012
- Transfusion in neonates, with Children Medical College, Afganistan on 3rd Apr 12
- Blood and Blood component Transfusion:Transfusion Safety Rules,with Pan African Countries on 28th May 12.
- Compatibility Testing or Pre-Transfusion Testing, with Pan African Countries on 11th June 12.

Future Plans

- Implementation of NAT Testing for prevention of Transfusion Transmitted infections.
- Provision of leucofiltered blood components for specialized patient population
- Expansion of New block to accommodate all activities of blood center in one place.
- Hemophilia support lab.
- Point of care testing for transfusion support in O.T.

Department of Urology

Faculty			
Rakesh Kapoor		Professor & Head	
Aneesh Srivastava		Professor (Transplant Surgery)	
Anil Mandhani		Additional Professor	
MS Ansari		Associate Professor	
<hr/>			
Residents		Female Urology	55
Senior Residents (M.Ch)	12	Laparoscopic Urology	458
Senior Residents (HS)	03	(nephrectomy, pyeloplasty, orchiopexy)	
Ph.D.	04	Misc. Procedure + Open Surgeries (101+125)	9370
Departmental Activities			
OPD			
New Patien	9923		
Old Patient	18197		
Admissions	3456		
Operations			
Endourology (PCNL,URS,TUR P,TURBT)	1447		
Uro-radiology	550		
Paediatric Urology	202		
Uro-oncology	644		
Open donor nephrectomy	69		
Lap. donor nephrectomy	92		
Transplant related procedures (AV fistula, CAPD catheter)	495		
Urethroplasty	156		
		Teaching and Training	
		Weekly resident training programme 8-9 AM.	
		Monday	Case Presentation(alternate week) Department statistics (weekly) Mortality and Morbidity (2nd Monday) Uro-nuclear medicine (last Monday)
		Tuesday	Seminar
		Wednesday	Uro-nephrology meeting
		Thursday	Uro-radiology (alternate Thursday) Case presentation (alternate Thursday)
		Friday	Journal Club Uro-pathology (last Friday)
		Saturday	Clinical Grand Round (Institute) Departmental Grand Round

Honors & Awards

Rakesh Kapoor

- Invited as Subject Specialist by the Council of Scientific & Industrial Research New Delhi for Shanti Swarup Bhatnagar Award for the year 2011-12.

Aneesh Srivastava

- Conferred “Dr. A. Ranganath Rao Endourology Oration” by the Andhra Pradesh Society of Urological Surgeons”.
- Elected as member of the Education Cell of Urological Society of India in 2012.

MS Ansari

- Conferred “Marudhara Jodhpur Trust 2nd Best Paper Award “Can we predict the improvement in renal function after pyeloplasty: A prospective study in pediatric patients, analyzing the sonographic and biochemical parameters. NZ-USI 2011.

Editorial Board

Aneesh Srivastava

- Indian Journal of Urology
- Section Editor , Indian Journal of Transplantation.

Anil Mandhani

- Associate Editor, Indian Journal of Urology.
- Got international guest scholarship from American College of Surgeons.

MS Ansari

- Associate editor “Journal of Medical Case Report”
- Guest editor “Indian Journal of Urology”

Referee/Reviewer of the journals

Rakesh Kapoor

- Indian Journal of Urology
- Journal of Endourology.
- British Journal of Urology

Aneesh Srivastava

- Indian Journal of Urology.
- Journal of Endourology.
- British Journal of Urology
- Journal of Urology.

RD Mittal

- Mutation Research.
- Journal of Urology.
- BMC Cancer.

Anil Mandhani

- Indian Journal of Urology.
- British Journal of Urology

- Brazilian Journal of Urology.

MS Ansari

- Indian Journal of Urology
- Journal of Urology
- British Journal of Urology
- J of Paediatric Urology
- Paediatric Urology

Conference Presentation

Rakesh Kapoor

- Chaired CKP Menon Best Paper Award session, USICON 2012. Apart from this Dr. Rakesh Kapoor has also chaired many interesting scientific sessions during annual zonal conferences, workshops, CMEs during this period.
- Attended the annual meeting of European Association of Urology Congress held in Feb 2012 in Paris France and delivered a lecture “Total pelvic floor repair in female : An Indian experience.
- Attended the Vattikuti Global Robotics 2012 conference held in New Delhi and chair a session “Early Prostate Cancer”.
- Delivered lecture on “Does impairment in flow mediated dilatation and severity of coronary artery disease correlate with erectile dysfunction? –A study in consecutive 166 patients” in USICON 2012.

Aneesh Srivastava

- Attended the 9th Biennial PAPSA 2012 Congress held at Cape Town from 18th – 21st March 2012. He has presented papers entitled “Single centre experience of paediatric urolithiasis” and “Pediatric and adolescent renal transplantation: Single centre experience”.
- Attended the Vascular Annual Meeting held from 7th – 9th June 2012 at Washington DC USA and delivered a lecture on “Surgical management of vascular access related complications in hemodialysis patients: Single centre experience”.
- Delivered lecture on “Contemporary management of moderate sized renal calculi” in the USICON 2012.
- Delivered lecture on “Dr. Aneesh Srivastava presented following papers in the USICON 2012 conference.
- Percutaneous management of renal caliceal diverticular stones: A tertiary care centre experience with different techniques to deal with diverticular after stone retrieval.
- Vascular complications in live related renal transplantation: An experience of 145 cases.
- Single centre experience of retroperitoneoscopic surgery for various urological procedures.
- Reusable laparoscopic organ retrieval system.
- Preputial /penile skin flap (as dorsal onlay or TUBE) a versatile substitute for complex anterior urethral strictures : SGPGI experience” USICON 2012.

MS Ansari

- Presented paper "Evaluation of different techniques in repair of urethrocutaneous fistula after hypospadias repair", "Buccal mucosal graft a viable option for non hairy urethral plate in 2 stage repair of perineoscrotal hypospadias" & "I-stage feminizing genitoplasty for congenital adrenal hyperplasia: Long term cosmetic functional psychosocial and psychosexual outcome". IV World Congress on Hypospadias & Disorders of Sex Development. 2011, London.
- Presented following papers in the NZ USICON 2011 conference
- Role of Gabapentin in overactive bladder in children.
- One stage female genitoplasty in 46XY disorder of sexual differentiation.
- Is dome advancement and psoas hitch a better way for extravesical transperitoneal ureteric reimplatation? A comparison of vtwo techniques.
- Can we predict the improvement in renal function afer pyeloplasty: A prospective study in pediatric patients, analyzing the sonographic and biochemical parameters.
- Laparoscopic management of bilateral renal lymphangiectasis in pediatric patient.
- Approx 20 scientific papers presented by the Sr. Residents and research scholars during this period in various national conference and workshops and zonal meetings.

Workshop / Conferences organized

- Department has organized USI Mock exam on 14th & 15th April 2012. The programme was very excellent and appreciated by all the invited faculty members and participants.

Visiting Scientists

- During this period no faculty members visited the department.

New research sanctioned

- Three research projects on various interesting subjects have been submitted in the UPCST, DBT and ICMR for sanction. These are in the end stage of sanction. Very soon department will start research work on these projects.

Future Plans

- New diagnostics set up for prognostic biomarkers in prostate and bladder cancer.
- Circulating tumor cells in RCC.
- mRNA expression study of AR in Ca prostate.
- Department is planning to start Post Doctoral Fellowship in Paediatric Urology.

New patient care services:

- Urology Department of Sanjay Gandhi PGI is a centre of excellence for treatment of male and female infertility. Department has purchased an Operative Microscope for treatment of such type of patients.
- Department has started Neuro-Modulation procedure in the stone centre to treat the patient of neurogenic bladder and overactive bladder disease.
- Department is planning to establish a centre of excellence for treatment of Prostate Cancer and Benign Prostatic Hyperplasia (BPH). For this purpose three faculty members from Urology Department have received proper training of Robotic Surgery at Veill Coronel Medical College New York.

Governing Body

Sri Jawed Usmani, IAS Chief Secretary, Government of U.P. & President, SGPGIMS, Lucknow	Chairman
Sri Anand Mishra, IAS, Principal Secretary (Finance), Govt of U.P., Lucknow	Member
Sri Sanjay Agarwal, IAS, Principal Secretary (Medical & Health) Govt of U.P., Lucknow	Member
Sri JP Sharma, IAS, Principal Secretary (Medical Education), Govt of U.P., Lucknow	Member
Director General (Medical Education), U.P., Lucknow	Member
Prof. RK Sharma, Director, SGPGIMS, Lucknow	Member
Dr Naresh Trehan, Director, Escorts Heart Institute, New Delhi	Member
Dr Pratap Reddy, Chairman, Apollo Group, Hospital, Chennai	Member
Prof. PK Dave, Ex. Director, AIIMS, New Delhi, 8, Sector-26, NOIDA, U.P.	Member
Prof. Kalyan Banerjee, Flat No 5-6, A-1-A, Sopan Bang, Opp. Mantri Avenue, Panchvati, Pashan, Pune-411008	Member
Dr SS Deshmukh, Ex Vice Chancellor, Mumbai University, Samarth Kripa Ram Mandir Road, Ville Parle East, Mumbai – 57	Member
Dr Suresh Babu, Professor, Department of Pathology, CSMMU, Lucknow	Member
Prof. Ganesh Kumar, Govt. Medical College, Jhansi	Member
Dr Sarojini Agarwal, MLC, 47/L-4, Jawahar Quarter, Meerut	Member
Prof. Prem Vrat, Ex. Vice Chancellor, Lucknow University, Lucknow 1240, Sector-A Pocket-A, Vasant Kunj, New Delhi	Member
Dr. R.P. Singh, Ex Vice Chancellor, Lucknow University, Lucknow, B-13 Paradise Tower, Opp. Telephone Exchange, Banner Road, Pune-411045	Member

...Contd.

Contd. . . . **Governing Body**

DG, Health Services, Govt. of India , Ministry of Health & Family Welfare, Nirman Bhawan, New Delhi (nominee of Ministry of Health)	Nominee
Dr KPS Malik , Head, Ophthalmology Deptt., Safdurjung Hospital, New Delhi, D-2/182, Kidwai Nagar (West), New Delhi-110024	(UGC Nominee)
Dr SP Kaushik , 132, Sector-6, Panchkula, Haryana	Member
Sri Jugal Kishore , Hon'ble MP (Rajya Sabha), Lucknow	Member
Prof. SP Singh , Principal, Motilal Nehru Medical College, Allahabad	Member
Prof. MM Godbole , Dept of Endocrinology, SGPGIMS, Lucknow	Member
Prof. RN Mishra , Head, Immunolgy Dept, SGPGIMS, Lucknow	Member
Prof. Rajan Saxena , Head, Surgical Gastroenterology, SGPGIMS, Lucknow	Member
Prof. SK Mishra , Head, Endocrine Surgery, SGPGIMS, Lucknow	Member
Prof. KN Prasad , Executive Registrar, SGPGIMS, Lucknow	Member Secretary

Finance Committee

Director	Chairman
Principal Secretary (Finance)	Member
Principal Secretary (Medical Education)	Member
Secretary (Medical & Health)	Member
DG (Medical Education)	Member
Executive Registrar SGPGIMS, Lucknow	Member
Prof. RN Misra , Head, Department of Immunology, SGPGIMS, Lucknow	Member
Finance Officer , SGPGIMS, Lucknow	Member Secretary

Research Committee

Director, SGPGIMS, Lucknow	Chairman
Dean, SGPGIMS, Lucknow	Member
Dr. CM Gupta, Former Director, CDRI, Lucknow	Member
Dr Chitra Sarkar, Department of Pathology, AIIMS, Lucknow	Member
Prof. Shally Awasthi, Department of Paediatrics, CSMMU, Lucknow	Member
Prof. SK Mishra, Head, Dept of Endocrine Surgery, SGPGIMS, Lucknow	Member
Dr Rakesh Agarwal, Department of Gastroenterology, SGPGIMS, Lucknow	Member
Prof. Balraj Mittal, Department of Genetics, SGPGIMS, Lucknow	Member
Dr VL Bhatia, Department of Endocrinology, SGPGIMS, Lucknow	Member
Dr Mukesh Tripathi, Department of Anaesthesiology, SGPGIMS, Lucknow	Member
Dr. CM Pandey, Head, Dept of Biostatistics, SGPGIMS, Lucknow	Member
Faculty Incharge, Research, SGPGIMS, Lucknow	Member Secretary

Research Cell

Extramural and Intramural Grants : 2011-2012

Extramural Grants

No. of Projects	Amount (In Rupees)
17	5,67,69,643.00

Intramural Grants

No. of Projects	Amount (In Rupees)
9	24,01,350.00

Research Projects

Department of Cardiology

PK Goel

Name of project :Efficacy of Stem cell therapy in improving Left Ventricular Function in patients with acute Myocardial Infarction.

Funding Agency : Biotechnology, Government of India

Name of project :A continuation in the clinical evaluation of the Abbott Vascular Everolimus Eluting bioresorbable Vascular scaffolds in the treatment of subject with de novo native coronary artery lesions.

Funding Agency : Abbott Cardiovascular Systems, 3200 Lakeside Drive . USA.

Name of project :A prospective single blind multicenter randomized trial to compare the Taxus Element™ coronary stent against the Xience prime coronary stent system in the treatment of diabetic patient population in India.

Funding Agency: Fortis Healthcare Ltd. Chandigarh.

Aditya Kapoor

Name of project : A multicenter, randomized, double-blind, parallel group, active-controlled study to evaluate the efficacy and safety of both aliskiren monotherapy and aliskiren/enalapril combination therapy compared to enalapril monotherapy, on morbidity and mortality in patients with chronic heart failure (NYHA Class II - IV)”

Funding Agency : Novartis India

Satyendra Tewari

Name of project :Use of a Multidrug Pill In Reducing Cardiovascular Events (UMPIRE)

Funding Agency : Dr Reddy's Lab

Sudeep Kumar

Name of project : The Effect Of Eplerenone Versus Placebo On Cardiovascular Mortality And Heart Failure Hospitalization In Subjects With NYHA Class II Chronic Systolic Heart Failure.

Funding Agency: Pfizer Ltd.

Name of project : A Multicenter, Double-Blind, Randomized Study to Establish the Clinical Benefit and Safety of Vytorin (Ezetimibe/Simvastatin Tablet) vs Simvastatin Monotherapy in High-Risk Subjects Presenting with Acute Coronary Syndrome (IMPROVED Reduction of Outcomes: Vytorin Efficacy International Trial - IMPROVE IT)

Funding Agency: Schering-Plough Research Institute.

Name of project : A Comparison of Prasugrel and Clopidogrel in Subject with Unstable Angina/Non-ST-Elevation Myocardial Infarction (UA/NSTEMI) Acute Coronary Syndromes (ACS) who are medically Managed”

Funding Agency: Eli- Lilly & Co.

Department of Critical Care Medicine
Extramural**Afzal Azim**

Name of the project : “Multicentric Observational Study of Candidemia in ICU patients in India- SIHAM Candidemia network.(In collaboration with Department of Microbiology).”

Funding agency: SIHAM

Intramural**AK Baronía**

Name of the project: “Identification of biomarkers using NMR spectroscopy in lung injury (ALI/ARDS).”

Funding agency: SGPGIMS, Lucknow

Name of the project: “Severity of Vitamin D deficiency in patients requiring ICU admission with severe sepsis/septic shock.”

Funding agency: SGPGIMS, Lucknow

Name of the project: “Prospective Multi-Center Multinational Observational Study of Device Associated Nosocomial Infection Rates, Cost, and Interventions in collaboration with INICC (Department of CCM and Department of Microbiology).”

Name of the project: “Hematologic and hemostatic disorders in critically ill patients with severe sepsis and septic shock prevalence ,diagnosis, and blood transfusion management (Department of transfusion medicine and Department of Critical Care Medicine).”

Funding agency: SGPGIMS, Lucknow

Banani Poddar

Name of the project: “Evaluation of prognostic value of procalcitonin among critically ill patients with severe sepsis/septic shock”

Funding agency: SGPGIMS, Lucknow

Afzal Azim

Name of the project: “Identification of biomarkers using NMR spectroscopy in lung injury (ALI/ARDS).”

Funding agency: SGPGIMS, Lucknow

Name of the project: “Severity of Vitamin D deficiency in patients requiring ICU admission with severe sepsis/septic shock.”

Funding agency: SGPGIMS, Lucknow

Name of the project: “Risk factors and outcome of acute kidney injury in patients with severe acute pancreatitis.”

Funding agency: SGPGIMS, Lucknow

Name of the project: “Project Coordinator from Department of Critical Care Medicine, SGPGIMS for INDICAPS - Indian ICU Case mix And Practice patterns Study conducted by ISCCM-India.”

Name of the project: “Prospective Multi-Center Multinational Observational Study of Device Associated Nosocomial Infection Rates, Cost, and Interventions in collaboration with INICC (Department of CCM and Department of Microbiology).”

Name of the project: “Hematologic and hemostatic disorders in critically ill patients with severe sepsis and septic shock prevalence ,diagnosis, and blood transfusion management (Department of transfusion medicine and Department of Critical Care Medicine).”

Funding agency: SGPGIMS, Lucknow

RK Singh

Name of the project: “Comparative evaluation of revised JAAM (Japanese Association Acute Medicine) score and ISTH (International society of Thrombosis and Homeostasis) score in the early diagnosis of DIC (Disseminated intravascular coagulation).”

Funding agency: SGPGIMS, Lucknow

Name of the project: “Prospective randomized controlled study to assess the impact of statins in septic shock.”

Funding agency: SGPGIMS, Lucknow

Name of the project: “Prospective observational study to identify patients at risk of developing intra-abdominal hypertension during critical illness.”

Name of the project: “Echocardiographic evaluation of right heart dysfunction in critically ill ICU patients.”

Mohan Gurjar

Name of the project: “Severity of Vitamin D deficiency in patients requiring ICU admission with severe sepsis/septic shock.”

Funding agency: SGPGIMS, Lucknow

Name of the project: “Evaluation of prognostic value of procalcitonin among critically ill patients with severe sepsis/septic shock”

Funding agency: SGPGIMS, Lucknow

Name of the project: "Prospective Multi-Center Multinational Observational Study of Device Associated Nosocomial Infection Rates, Cost, and Interventions in collaboration with INICC (Department of CCM and Department of Microbiology)."

Cardiovascular and Thoracic Surgery

Ongoing Projects : 7

SK Agarwal & S Pande

Name of Project: Multicentric trial on Role of autologous stem cells in patients with critical chronic limb ischemia

Funding Agency : DBT, India

Name of Project: International, multicentric trial of off pump versus on pump CABG trial (CORONARY) along with department of cardiology,

Funding Agency : Canadian Institute of Health Research, Mc Master University , Canada

G Majumdar B Chandra

Name of Project: Hokusai VTE study on role of oral heparin like agent in management of DVT

Funding Agency : Daiichi sankyo Ltd, Japan

Name of Project: Role of genetic markers in management of anticoagulation by oral anticoagulants

Funding Agency : SGPGIMS, Lucknow

Name of Project: Evaluation of right ventricular function with echocardiography and nuclear imaging in patients with coronary artery disease and low ejection fraction undergoing CABG

Funding Agency : SGPGIMS, Lucknow

Name of Project: To find out the role of Apoptosis in right ventricular function by echocardiography and nuclear imaging in patients with mitral valve disease and pulmonary arterial hypertension

Funding Agency : SGPGIMS, Lucknow.

Department of Endocrinology

Eesh Bhatia

Name of the Project : Prevalence and treatment of Vitamin D deficiency in chronic pancreatitis. Endocrine Society of India.

MM Godbole

Name of the Project : To investigate the effect of maternal thyroid hormone insufficiency on Epigenetic modification of developmentally regulated Neuro-glial genes.

Funding Agency : DST project

V Bhatia

Name of the Project : Vitamin D replenishment in pregnancy.

Funding Agency : DBT

Name of the Project : Evaluation of a cord blood based newborn thyroid screening program. Funding Agency : SGPGIMS, Lucknow

Preeti Dabadghao

Name of the Project : Cardiovascular risk factors in polycystic ovary syndrome.

Funding Agency : ICMR.

Subhash Yadav

Name of the Project : Clinical characteristic and bone mineral density in Sheehan's syndrome:

Funding Agency : SGPGIMS, Lucknow

Name of the Project : Gestational diabetes: prevalence, risk factors and outcome.

Funding Agency : SGPGIMS, Lucknow.

Department of Endocrine Surgery

Completed Projects : 7

SK Mishra

Name of the Project : Tele-Ophthalmology

Funding Agency : Ministry of Health & Family Welfare OH & FW under National Programme for Control of Blindness(NPCB), Govt. of India

Name of the Project : National Resource Center for Telemedicine & Biomedical Informatics

Funding Agency : Dept. of IT, Ministry of IT & Communication Govt. of India, New Delhi.

Amit Agarwal

Name of the Project : Immunohistochemical evaluation of ER/PR & Her-2/neu expression of cell blocks & tissue block slides in Ca Breast

Funding Agency : SGPGIMS, Lucknow

Gaurav Agarwal

Name of the Project : Feasibility study of safe breast conservation, and Sentinel Lymph Nodes Studies in large or locally advanced breast cancer patients following Neo-adjuvant chemotherapy.

Funding Agency : Medical Research Specialists group.

Name of the Project : Study of Catecholamine induced dysfunction and cardio-myopathy and its reversal following curative surgery in pheochromocytoma patients.

Name of the Project : Technetium per-technetate scintigraphy in breast cancer and fibrocystic disorders of breast.

Name of the Project : Study of effects of iodine adjunct treatment on gene expression of molecules involved in iodine transport (NIS) and apoptotic effector pathway (bcl-2, bcl-xl and bax) in DMBA induced breast cancer in rats.

Name of the Project : Study of biochemical markers of bone turnover in metastatic and non-metastatic breast cancer.

Ongoing Projects :

SK Mishra

Name of the Project : Orissa Telemedicine Network Project

Funding Agency : Indian Space Research Organization (ISRO)

Name of the Project : UP Tele-radiotherapy Network

Funding Agency : Dept. of Science and Technology

Name of the Project : SAARC Telemedicine Project

Funding Agency : Govt. of India Ministry of External Affairs

Name of the Project : Uttar Pradesh Medical College Telemedicine Network

Funding Agency : Dept. of Medical Education Govt. of U.P.

Name of the Project : An Africa Telemedicine Network

Funding Agency : Govt. of India Ministry of External Affairs

Name of the Project : National Medical College Network Project

Funding Agency : Ministry of Health & Family Welfare, Govt. of India.

Amit Agarwal

Name of the Project : Parafibromin and APC Immunoreactivity as Screening Marker for Malignant Potential in Parathyroid Adenomas.

Name of the Project : Genetic studies in papillary thyroid carcinoma.

Funding Agency : Department of Science and Technology.

Gaurav Agarwal

Name of the Project : Prospective Case-control Study of Myocardial and Endothelial Dysfunction in Symptomatic Primary Hyperparathyroidism Patients and its Reversal Following Surgical Cure.

Name of the Project : "Outcomes of triple negative breast cancers in comparison with other subtypes".

Funding Agency : Medical Research Specialists group.

Name of the Project : "Multi-national multi-centric study on sentinel lymph node biopsy using novel technology and dyes." 2010 onwards

Funding Agency : International Atomic Energy Agency (IAEA).

Name of the Project : "Pharmacogenetic assessments in breast cancer treatment outcomes".

Funding Agency : Indian Council of Medical Research.

Name of the Project : "To investigate anti-proliferative efficacy of molecular iodine in breast cancer cell lines and nude mice model in relation to hormonal milieu: a combinatorial approach".

Funding Agency : Department of Bio-technology.

Name of the Project : “Global gene-expression profiling and candidate genes mutation studies in Indian breast cancer patients.”

Funding Agency : University Grants Commission (Infrastructure grant to Dr RNK Bamezai's lab, National Centre of Applied Human Genetics (NCAHG), SLS, JNU, NEW Delhi).

Anjali Mishra

Name of the Project : Impact of pre-operative contrast enhanced CT (CECT) scanning on urinary iodine levels measured at the time of post-operative iodine scan in patients with differentiated thyroid carcinoma (DTC)

Funding Agency : SGPGIMS, Lucknow

Gyan Chand

Name of the Project : Evaluation of Predicting factor for post operative hypocalcemia after total thyroidectomy

Funding Agency : SGPGIMS, Lucknow

Name of the Project : Molecular analysis of B-RAF mutation in papillary thyroid cancer

Funding Agency : SGPGIMS, Lucknow.

Department of Gastroenterology

Completed Projects: 15

Extramural

G Choudhuri

Name of the Project: Development of Sanjay Gandhi Postgraduate Institute of Medical Sciences as a health promoting Hospital. Phase – 3

Funding Agency : World Health Organization

Name of the Project: Evaluation of efficacy and safety of NCB-02 in Ulcerative Colitis

Funding Agency : Himalayan Drug Company, Bangalore

Name of the Project: A randomized double blind trial of telbivudine vs lamivudine in adults with decompensated chronic hepatitis B and evidence of cirrhosis

Funding Agency : Idenix

Name of the project: Cardiac Risk Reduction in Community through Behaviour change creating contact opportunities through Hospital and school based interventions

Funding Agency : World Health Organization (WHO)

Name of the Project: Evaluation of efficacy of HD-03/ES in virus B hepatitis (A phase III clinical trial)

Funding Agency : Himalayan Drug Company, Bangalore

VA Saraswat

Name of the project: An Open label response adaptive study of Telbivudine in adults with HBeAg positive compensated chronic hepatitis B

Funding Agency :, Novartis

R Aggarwal

Name of the project: A mathematical decision-analysis model to study the efficacy and cost-effectiveness of prophylactic cholecystectomy in preventing complications, especially gallbladder cancer in patients with asymptomatic gallstones

Funding Agency : ICMR, New Delhi

Name of the project : Landscape analysis of zinc and its effect on child morbidity and mortality

Funding Agency : Fogarty International Center, NIH, Bethesda, USA

Name of the project: Potential of Mycobacterium W to boost immune response to hepatitis B vaccine in poor responder groups

Funding Agency : DBT New Delhi

Name of the project: Gene expression profiling using microarray analysis to understand immune events in acute hepatitis E

Funding Agency : DBT, New Delhi

Name of the project: Evaluation of the impact of distance learning for expanding capacity for research in India.

Funding Agency : National Institutes of Health (NIH), USA

Name of the project: Data safety monitoring board for DBT stem cell trials.

Funding Agency : DBT, New Delhi

Intramural

Name of the project : Hepatitis E virus infection in renal transplant recipients and its relationship, if any, with liver injury.

Funding Agency : SGPGIMS, Lucknow

UC Ghoshal

Name of the Project: Evaluation of utility of pepsinogen-I, pepsinogen-II gastrin-17 serum levels in diagnosis of cancer-associated gastric mucosal lesions like intestinal metaplasia (IM) in patients with and without H. pylori infection in India.

Funding Agency : ICMR, New Delhi

Name of the Project: Pathogenesis of tropical sprue: Study of antroduodenal manometry, duodenal of transit time, fat induced ileal brake and small intestinal manometry

Funding Agency : Department of Science Technology, Govt. of India

Ongoing Projects : 13

G Choudhuri

Extramural

Name of the Project: A comparative study of various types of nutritional therapies on morbidity and quality of life in nutritional deficient patients with liver cirrhosis

Funding Agency : ICMR

Name of the Project: A comparative study of Chronic Hepatitis B subjects treated with Entecavir plus Tenofovir combination therapy Vs Entecavir monotherapy in adults who are treatment naïve to Nucleoside and Nucleotide: The BE-LOW Study

Funding Agency : Bristol Myer Squibb, USA

Name of the Project: A Comparative study of Entecavir vs Adefovir vs the combination in Lamivudine – Refractory Chronic Hepatitis B subjects: the DEFINE study

Funding Agency : Bristol Myer Squibb, USA

Name of the Project: Comparison of the Efficacy and Safety of Entecavir versus defovir in subjects chronically infected with Hepatitis B Virus and Evidence of Hepatic Decompensation

Funding Agency : Bristol Myer Squibb, USA

Name of the Project: Randomized, Observational Study of Entecavir to Assess Long-term Outcomes Associated with Nucleoside/Nucleotide Monotherapy for Patients with Chronic HBV Infection

Funding Agency : Bristol Myer Squibb, USA

Name of the Project: Efficacy and safety of PEG-Inferon (peginterferon alpha-2b) for the treatment of chronic hepatitis C -An open-label study in India

Funding Agency : Virchow Biotech Pvt Ltd, Hyderabad

R Aggarwal

Name of the project: Immune events, transcriptomics and biomarkers in hepatitis E pathogenesis

Funding Agency : National Institutes of Health (NIH), USA

Name of the project: Biomedical Informatics Centres of ICMR

Funding Agency : ICMR

Name of the project: Assessment of impact of inclusion of hepatitis B vaccine in childhood immunization program in India

Funding Agency : ICMR

Name of the project: Genotyping of hepatitis E virus isolates causing epidemic and sporadic disease in India

Funding Agency : ICMR

UC Ghoshal

Extramural

Name of the Project: Small intestinal bacterial overgrowth and small intestinal permeability in patients with irritable bowel syndrome in tropics: Role of interleukin-1 and its receptor antagonist and effect of eradication of bacterial overgrowth

Funding Agency : Department of Science Technology, Govt. of India

Name of the Project: A multi-centric study on treatment of abdominal tuberculosis (intestinal or peritoneal): A randomized controlled trial to compare the 6 months of Cat I treatment with 9 months of Cat I Treatment (extension for 3 months) in abdominal tuberculosis. under the Revised National Tuberculosis Control program

Funding Agency : (RNTCP) Multi centre (AIIMS, New Delhi, CMC Vellore and SGPGIMS, Lucknow

Name of the Project: Gastro-esophageal Reflux Disease and Helicobacter pylori: Possible role of IL-1 β , IL-8 and Extra-cellular signal Regulated Kinases in gastric mucosal injury altering severity of the disease

Funding Agency : DBT, New Delhi.

Department of Surgical Gastroenterology

Intramural

Name of the Project : Preoperative chemoradation for unresectable gall bladder cancers: A feasibility study.

Funding Agency : SGPGIMS, Lucknow

Name of the Project : MR angiographic evaluation of patients with post-cholecystectomy bile duct strictures to study the incidence of associated vascular injuries and their effect on clinical course and results of stricture repair.

Funding Agency : SGPGIMS, Lucknow.

Department of Hematology

Name of the Project : “Mesenchymal stem cells in myocardial infarction, stroke, renal failure and diabetes:

Funding Agency : Department of Biotechnology (DBT), Govt. of India, New Delhi.

Name of the Project : “Safety and Efficacy of Autologous Stem Cells in Prevention of Amputation in Patients with Chronic Critical Limb Ischemia”.

Funding Agency : DBT, Govt. of India, New Delhi.

Name of the Project : Indo Denmark bilateral collaboration entitled, “Characterization of different sub-populations of human Mesenchymal stem cells and evaluation of their therapeutic efficacy in myocardial regeneration”.

Funding Agency : DBT, Govt. of India, New Delhi.

Name of the Project : “Intravenous Autologous Bone Marrow - Derived Stem Cell Therapy for Patients with Acute Ischemic Stroke”.

Funding Agency : DBT, Govt. of India, New Delhi.

Name of the Project : “Efficacy of stem cells in improvement of left ventricular function in patients with acute myocardial infarction”.

Funding Agency : DBT, Govt. of India, New Delhi.

Name of the Project : “Stem cells for regenerative medicine: Isolation of Multipotent adult progenitor cells and their clonal expansion and differentiation into cardiomyocytes, hepatocytes and islet cells.

Funding Agency : DBT, Govt. of India, New Delhi.

Department of Immunology

Completed Projects : 3

Amita Aggarwal

Name of the Project : Can invitro cytokine suppression by methotrexate predict clinical response to MTX in patients with RA.

Funding Agency : DST.

Vikas Agarwal

Name of the Project : Serology in inflammatory bowel disease: does it help in differentiation between Crohn's disease and Ulcerative colitis.

Funding Agency : SGPGIMS, Lucknow.

Name of the Project : Role of MDR in MTX non-responsiveness in Rheumatoid arthritis.

Funding Agency : SGPGIMS, Lucknow.

Ongoing Projects :

Ramnath Misra

Name of the Project : A multicenter randomized double blind placebo controlled trial of golimumab, a fully human anti TNF monoclonal antibody administered subcutaneously in methotrexate-naïve subjects with RA.

Funding Agency :Centocor, Bangalore (Drug Trial).

Amita Aggarwal

Name of the Project : Immune mechanisms in enthesitis related arthritis: gene expression approach.

Funding Agency : DBT.

Name of the Project : MRP8/14 a TLR4 ligand in JIA_ERA and its association with disease activity.

Funding Agency : SGPGIMS, Lucknow.

Name of the Project : Role of TLR in pathogenesis of JIA.

Funding Agency : ICMR

Name of the Project : Validation of indigenous anti-TTG kit.

Funding Agency : DBT.

Name of the Project : Urinary biomarkers in lupus nephritis: role in diagnosis, prognosis and follow up.

Funding Agency : DBT.

Name of the Project : Role of micro RNA involved in immune dysregulation in ERA-JIA. Funding Agency : DBT.

Name of the Project : A multinational study of the Epidemiology, treatment and outcome of childhood arthritis (EPOCA) study.

Funding Agency : PRINTO, Italy

Vikas Agarwal

Name of the Project : Diffusion tensor anisotropy magnetic resonance imaging in inflammatory arthritis.

Funding Agency : ICMR

Name of the Project : A Prospective double blind placebo controlled trial of combination disease modifying antirheumatic drugs vs monotherapy (sulfasalazine) in patients with inflammatory low backache in seronegative spondyloarthritis. Clinical trials. gov identifier: NCT01040195.

Name of the Project : Expression function and polymorphism of MDR-1 in systemic lupus erythematosus and its correlation with response to glucocorticoids.

Funding Agency : SGPGIMS, Lucknow.

Name of the Project : Evaluation of T regulatory cells, TH1 and TH2 cells in steroid sensitive vs steroid refractory Nephrotic syndrome.

Funding Agency : SGPGIMS, Lucknow.

Name of the Project : A double blind randomized controlled trial of Tadalafil in interstitial lung disease of Scleroderma.

Funding Agency : SGPGIMS, Lucknow.

Department of Microbiology

TN Dhole

Name of the Project : Molecular Epidemiology studies of Endemic Transmission of Polio Virus of Uttar Pradesh & Bihar.

Funding Agency : World Health Organization (WHO) – SEARO, New Delhi.

Name of the Project : Surveillance centre for Influenza.

Funding Agency : NCDC, New-Delhi

Name of the Project : Expression of cytokines, MMPs and TIMPs in clinical specimens and mice brain infected with Japanese encephalitis virus.

Funding Agency : ICMR, New-Delhi.

Name of the Project : Identification of enteroviruses from clinical and environmental specimen: Determination of frequency and dynamics of recombination within different species of enterovirus based on complete genomic sequence

Funding Agency : ICMR, New-Delhi

KN Prasad

Name of the Project : Immunopathogenesis of neurocysticercosis in naturally infected swine

Funding Agency : DST

Name of the Project : Etiologic characterization and immunopathogenesis of brain abscess

Funding Agency : ICMR

Name of the Project : Clinico-epidemiological and molecular characterization of ESBL producing Klebsiella spp. E. coli, and Enterobacter spp. causing nosocomial and community acquired infections by Indian Council of Medical Research (ICMR)

Funding Agency : ICMR

Name of the Project : Role of cell cycle regulatory genes in the pathogenesis of Helicobacter pylori infection

Funding Agency : UPCST

Name of the Project : Characterization of Human Cryptosporidium infection in patients with Immunocompromised status in northern India (PI)

Funding Agency : DBT

Name of the Project : Detection & characterization of Microsporidium innorthern India.

Funding Agency : ICMR

Name of the Project : Helicobacter pylori and Epstein-Barr virus infection in patients with peptic ulcer and gastric cancer.

Funding Agency : SGPGIMS, Lucknow.

Department of Maternal and Reproductive Health

Amrit Gupta

Name of the Project : Study the association of Insulin Growth Factors I, Insulin Growth Factor II, and IGFBP 1&3 in Intrauterine Growth Restriction of fetus

Funding Agency: SGPGIMS,Lucknow

Department of Molecular Medicine & Biotechnology

MM Godbole

Name of the Project : To investigate the effect of maternal thyroid hormone insufficiency on epigenetic modification of developmentally regulated Neuro-glial genes.

Funding Agency : DST

Swasti Tiwari

Name of the Project : Urinary exosomes as an early diagnostic marker for diabetic nephropathy.

Funding Agency : DST

Name of the Project : miRNA Expression in type-1-diabetes-associated early renal injury.

Funding Agency : DBT

Name of the Project : The causative role of reduced kidney-epithelial-cell insulin receptor in hypertension.

Funding Agency : DBT.

Department of Nephrology

RK Sharma

Name of the Project : A randomized open label two arm, multicenter for study to evaluate the efficacy & safety of Derbopoietin as compared to erythropoietin in predialysis patients with anemia of chronic kidney disease.

Funding Agency : Dr. Reddy's Laboratories Pvt Ltd

Name of the Project : Belatacept evaluation of nephroprotection and efficacy as first line immunosuppression trial (BENEFIT).

Funding Agency : BMS

Name of the Project : Investigation of adequacy nutrition and peritoneal transport characteristics in Indian peritoneal dialysis patient: Indian adequacy study group creation of center of excellence.

Funding Agency :

Name of the Project : Inflammation, malnutrition in end stage renal failure.

Funding Agency : SGPGIMS, Lucknow.

Name of the Project : A randomized, open level, two arm, multicenter study to evaluate the efficacy and safety of darbepoetin as Compared to Erythropoetin in dialysis Patients with Anemia of Chronic Kidney Disease (CKD).

Funding Agency : Dr.Reddys Laboratories Limited, India.

Name of the Project : An open label, multicentre, prospective study to Demonstrate Safety and efficacy of once daily Advagraft in patients undergoing kidney or liver transplantation in India.

Funding Agency : Astellas Pharma India Ltd.

Name of the Project : A 24 months, multicentre, open label, randomized, controlled trial to investigate efficacy and evolution of cardiovascular parameters in denovo renal transplant recipients after early calcineurin inhibitor to everolimus conversion CRAD001A2429

Funding Agency : Novartis healthcare Pvt Ltd.

Amit Gupta

Name of the Project : A prospective, multicentre, observational, pilot study on cost analysis of ongoing continuous ambulatory peritoneal dialysis (CAPD) and hemodialysis (HD) in India. Patients and provider perspectives.

Funding Agency : Baxter India Pvt Ltd.

Amit Gupta

Name of the Project : A prospective multi centre open label single arm observational study to evaluation clinical spectrum and outcome of peritonitis in patients undergoing peritoneal dialysis in India.

Funding Agency : Baxter India Pvt Ltd.

Narayan Prasad

Name of the Project : A randomized multi centre parallel open level active control phase III study to evaluate clinical efficacy and safety of Kremezin on suppression of progression of chronic kidney disease.

Funding Agency : LG Life Sciences

Department of Neurosurgery

Raj Kumar

Extramural Project

Name of Project : Clinical and molecular characterization of multi drug resistant (MDR) isolates of mycobacterium tuberculosis complex from extra pulmonary tuberculosis (EPTB) cases in two tertiary care hospitals in North India.

Funding Agency : ICMR, New Delhi.

Kumudini Sharma

Name of the Project : Tele-Ophthalmology Project at Bachhrawan. Project has been completed in August 2011.

Funding Agency : Ministry of Health under NPCB.

Sanjay Behari

Name of the Project : Multicentric project on intracranial tuberculomas: Department of Neurology, Charles University in Prague, 1st Faculty of Medicine and General Teaching Hospital, Prague, Czech Republic Katerinská 30, 120 00 Praha 2 and Hôpital Pitié Salpêtrière, Paris, France.

Intramural Project

Name of Project : Sahu RN, Sahu Sandeep, Kumar R, Behari S, Jaiwal AK, Srivastava AK: Drug Impregnated Autologous Coagulum Patch on lay dural closure in preventing post-operative cerebrospinal fluid (CSF) leaks and pain in lumbar spine surgery; a randomized study 2011.

Funding Agency : SGPGIMS, Lucknow

Sanjay Behari

Name of the Project : Jaiswal AK, Behari S, Sahu RN, Mahapatra AK, Jain VK: Endocrinal abnormalities in aneurysmal subarachnoid haemorrhage

Funding Agency : SGPGIMS, Lucknow

Name of the Project : Sahu RN, Sahu Sandeep, Kumar R, Behari S, Jaiwal AK, Srivastava A: Drug Impregnated Autologous Coagulum Patch on lay dural closure in preventing post-operative cerebrospinal fluid (CSF) leaks and pain in lumbar spine surgery; a randomized study 2011.

Funding Agency : SGPGIMS, Lucknow

Rabi Narayan Sahu

Name of Project : Sahu RN, Sahu Sandeep, Kumar R, Behari S, Jaiwal AK, Srivastava AK: Drug Impregnated Autologous Coagulum Patch on lay dural closure in preventing post-operative cerebrospinal fluid (CSF) leaks and pain in lumbar spine surgery; a randomized study 2011.

Funding Agency : SGPGIMS, Lucknow

Arun Kumar Srivastava

Name of Project : Sahu RN, Sahu Sandeep, Kumar R, Behari S, Jaiwal AK, Srivastava AK: Drug Impregnated Autologous Coagulum Patch on lay dural closure in preventing post-operative cerebrospinal fluid (CSF) leaks and pain in lumbar spine surgery; a randomized study 2011.

Funding Agency : SGPGIMS, Lucknow

Department of Neurology

Name of the Project : "Intravenous autologous bone marrow-derived stem cell therapy for patients with acute ischemic stroke: A Multi-institutional project".

Funding Agency : DBT

Name of the Project : "Establishment of Encephalitis Research Centre of Excellence". Funding Agency : UP CST

Name of the Project : Some observations on the neurotoxicity of nitrous oxide (N₂O) on the rats

Funding Agency : SGPGIMS, Lucknow

J Kalita

Name of the Project : "Intravenous autologous bone marrow-derived stem cell therapy for patients with acute ischemic stroke: A Multi-institutional project".

Funding Agency : DBT

Name of the Project : "Establishment of Encephalitis Research Centre of Excellence".

Funding Agency : UP CST

Name of the Project : The role of cytokine and glutamate with reference to copper toxicity in Wilson disease with neurological manifestations

Funding Agency : SGPGIMS, Lucknow

Department of Nuclear Medicine

Extramural

S Gambhir

Name of the Project : Mesenchymal stem cell trial in Myocardial infarction, stroke and Renal failure.

Funding Agency : DBT.

Name of the Project : Role of SPECT imaging in detection of Sentinel lymph nodes in Carcinoma Breast (Multi-centric, multinational)

Funding Agency : IAEA.

Intramural

Name of the Project : Development of Nanoparticles as dual imaging probe for SPECT-CT in animals.

Funding Agency : SGPGIMS, Lucknow.

Name of the Project : Non- invasive assessment of Rt.Heart function by equilibrium radionuclide ventriculography in pre & post Coronary Artery Bypass Grafting [CABG] patients.

Name of the Project : Impact of preoperative contrast in CT scanning on urinary iodine level measured at the time of postoperative radioiodine scan in patients with differentiated thyroid cancer.

Funding Agency : SGPGIMS, Lucknow.

PK Pradhan

Name of the Project : Impact of preoperative contrast in CT scanning on urinary iodine level measured at the time of postoperative radioiodine scan in patients with differentiated thyroid cancer

Funding Agency : SGPGIMS, Lucknow.

S Barai

Name of the Project : Evaluation of comparative palliative effect of samarium plus capecitabine and samarium alone in patients with painful skeletal metastasis.

Name of the Project : Role of SPECT imaging in detection of Sentinel lymph nodes in Carcinoma Breast (Multi-centric, multinational)

Funding Agency : IAEA.

AArya

Name of the Project : Non- invasive assessment of Rt. Heart function by equilibrium radionuclide ventriculography in pre & post Coronary Artery Bypass Grafting [CABG] patients.

Department of Pediatric Gastroenterology

Name of the Project : Genetic markers (PRSS1, SPINK1 and CFTR) in children with idiopathic acute, recurrent acute and chronic pancreatitis

Funding Agency : SGPGIMS, Lucknow

Name of the Project : Prevalence of gastrointestinal symptoms and celiac disease in children and adolescents with diabetes mellitus.

Funding Agency : SGPGIMS, Lucknow

Name of the Project : Exposure of hepatitis A and hepatitis B in children with chronic liver disease. Is there a need for vaccination?

Funding Agency : SGPGIMS, Lucknow

Department of Paediatric Surgery

Intramural

Richa Lal & Vijay Upadhyaya

Name of the Project : Role of Calretinin & Acetylcholinesterase histochemistry in the diagnosis of Hirschsprung's disease.

Funding Agency : SGPGIMS, Lucknow

Basant Kumar (Co-investigator)

Name of the Project : MUC1, CK19 and CD10 expression on the cell blocks of pancreatic tumours diagnosed by endoscopic/ultrasound guided fine needle aspiration cytology.

Funding Agency : SGPGIMS, Lucknow

Department of Pathology

Completed Projects

Vinita Agrawal

Name of the Project : Prognostic significance of HER-2/neu protein overexpression and oncogene amplification by in-situ hybridization in urothelial bladder carcinoma

Funding Agency: SGPGIMS, Lucknow

Name of the Project : Diffusion Tensor Anisotropy Magnetic Resonance Imaging in Inflammatory Arthritis

Funding Agency: ICMR- New Delhi

Name of the Project : Role of Calretinin immunohistochemistry and Acetylcholinesterase histochemistry in the evaluation of Hirschsprung disease

Funding Agency: SGPGIMS, Lucknow

N Kumari

Name of the Project : Distinguishing intestinal and pancreatico-biliary type ampullary adenocarcinoma and there relation with MMP.

Funding Agency: SGPGIMS, Lucknow

Ongoing Projects

V Ramesh

Name of the Project : Dosing and regimes of Vitamin D supplement required for optimal serum Vitamin D in adults. As a Co-investigator: V. Ramesh.

Funding Agency: SGPGIMS, Lucknow

Lily Pal

Subregional cytoarchitectural changes and cell cycle dysregulation in the hippocampus in patients with temporal lobe epilepsy.

Funding Agency: DST, New Delhi.

N Kumari

K-ras mutation testing in colorectal cancer.

Funding Agency: SGPGIMS, Lucknow

Name of the Project : Retrospective study of EGFR, VEGF and HER-2/neu expression in squamous cell carcinoma of the esophagus in North India and concordance with endoscopic biopsy.

Funding Agency: SGPGIMS, Lucknow

Name of the Project : Immunohistochemical Detection of Somatostatin Receptors 2 and 5 in Neuroendocrine Tumors.

Funding Agency: SGPGIMS, Lucknow

Name of the Project : Braf mutation in colorectal cancer.

Funding Agency: SGPGIMS, Lucknow

Ram Naval Rao

Name of the Project : MUC1, CK19 and CD10 expression on the cell blocks of pancreatic tumours diagnosed by endoscopic/ultrasound-guided fine-needle aspiration cytology

Funding Agency: SGPGIMS, Lucknow

Name of the Project : Immunohistochemical evaluation of Estrogen and Progesterone Receptors and HER2 Expression on Cell Blocks and Tissue Blocks sections of breast carcinoma

Funding Agency: SGPGIMS, Lucknow

Name of the Project : B-raf mutation in papillary thyroid carcinoma

Funding Agency: SGPGIMS, Lucknow

Department of Plastic Surgery

Intramural

Ankur Bhatnagar

Name of the Project : Role of Platelet Growth factors in the Uptake of skin grafts.

Funding Agency :SGPGIMS, Lucknow

Department of Pulmonary Medicine

Intramural

Name of the Project : Tadalafil in scleroderma ILD

Funding Agency : SGPGIMS, Lucknow

Department of Radiodiagnosis

Extramural

RK Gupta

Name of the Project : Joint Center for Magnetic Resonance Technologies in Brain Center Imaging (26/10/09 to 31/03/2012)

Funding Agency : IUSSTF

Name of the Project : Comparative evaluation of human brain in vitamin B-12 deficiency using EPI based and STEAM based DTI techniques(01/10/2010 to 31/03/2012)

Funding Agency: BT/IN/German/04/RKG/2010 & 23 August, 2010

Name of the Project : To evaluate the effect of Thimine deficiency on Mammillary body volume using high resolution MRI in patients of Hepatic encephalopathy Due to acute liver failure and acute on chronic liver failure of non-alcoholic etiology (01/03/2010 to 28/02/2013)

Funding Agency: ICMR, New Delhi

Name of the Project : Understanding of Neurodevelopment through diffusion tensor imaging and neuropsychological test in children born to HIV positive mothers-A Cross-Sectional Study(21/07/2011 to 20/07/2014)

Funding Agency: DST/SR/CSI/02/2010

Name of the Project : DTI Correlates of Plasticity in Children with Cerebral Palsy(03/12/2009 to 02/12/2012)

Funding Agency: DST/SR/SO/HS/0125/2007

School of Telemedicine & Biomedical Informatics

Name of the Project : National Resource Center for Telemedicine & Biomedical Informatics.

Funding Agency : Department of Information Technology, Ministry of Communication & IT, Govt. of India

Name of the Project : Tele-ophthalmology Project under National Blindness Control Program

Funding Agency : Ministry of Health and Family Welfare, Govt. of India

Name of the Project : National Medical College Network Hub and Resource Center, Ministry of Health & FW, Govt. of India

Sponsored projects in which SGPGI is a Collaborator:

Name of the Project : National Medical College Network Hub and Resource Center, Ministry of Health & FW, Govt. of India

Funding Agency : Ministry of Health & FW, Govt. of India

Name of the Project : SAARC Telemedicine Network Project

Funding Agency : Ministry of External Affairs, Govt. of India

Name of the Project : Integrated Diseases Surveillance Project

Funding Agency : Ministry of Health & Family Welfare, Govt. of India

Name of the Project : U.P. Medical Telemedicine Network Project

Funding Agency : Govt. of U.P.

Name of the Project : National Knowledge Network

Funding Agency : Govt. of India under National Knowledge Mission) implemented by Department of Information Technology, Ministry of Communication and IT, Govt. of India through National Informatics Centre

Name of the Project : PAN Africa eNetwork Project

Funding Agency : Ministry of External Affairs Govt. of India implemented by Telecommunication Consultant of India LTD (TCIL)

Department of Transfusion Medicine

RK Chaudhary

Name of the Project : "Kinetics of thrombopoiesis after automated platelet pheresis".

Funding Agency: UPCST

Priti Elhence

Name of the Project: To study the usefulness of platelet cross- matching for single donor platelets in the management of platelet refractoriness.

Funding Agency: SGPGIMS, Lucknow.

Prashant Agarwal

Name of the Project : Metabolic effects of acute infusion of citrate during plateletpheresis in normal healthy donors.

Funding Agency: SGPGIMS, Lucknow.

Name of the Project : “Effectiveness of 3rd generation ELISA, 4th generation ELISA & NAAT for Transfusion Transmitted Infections in blood donor screening”

Funding Agency: SGPGIMS, Lucknow.

Department of Urology

Name of the Project : To study the impact of asymptomatic prostate on S. PSA level by measuring the seminal fluid level of IL-8 and its gene polymorphism

Funding Agency : ICMR

Name of the Project : Phase-II randomized placebo controlled double blind study to assess the efficacy and safety of once daily orally administered ZD-404054 10mg in non-metastatic hormone resistant prostate cancer.

Funding Agency : Astra Zeneca

Name of the Project : A phase II open label, randomized multicentric clinical trail of Mycobacterium in combination with Doxetaxel Vs Docetaxel in metastatic hormone refractory prostate cancer patient

Funding Agency : Cadila Pharma

Name of the Project : Role of Gabapentin in overactive bladder.

Funding Agency : SGPGIMS, Lucknow

Name of the Project : Phase III study of YM178: A randomized double blind parallel group placebo active controlled multicentre study in subjects with symptoms of overactive bladder

Funding Agency : Astellas Pharma Inc.

Name of the Project : Interactive role of matrix metallo proteinases and tissue inhibitors of metallo proteinases gene polymorphism in prostate cancer progression

Funding Agency : UPCST

Name of the Project : Serum chemokine profiling and gene polymorphism as diagnostic and prognostic tool in bladder cancer: A potential role for chemokine

Funding Agency : ICMR

Publications

Department of Cardiology

Original Articles

- Association of plasma cystatin C levels with angiographically documented coronary artery disease in patients of Indian origin. Batra A, Kapoor A, Sharma RK, Agrawal N, Sinha A, Kumar S, Garg N, Tewari S, Goel PK. *J Cardiol.* 2012 Mar;59(2):182-9. Epub 2012 Jan 21.
- Pre-transplant cardiac evaluation and management of diabetic kidney disease patients before transplant Kumar S, Moorthy N, *Clinical Queries: Nephrology* 0102 (2012) 151-156
- Elevated B-type Natriuretic Peptide Levels in Patients Undergoing Coronary Stenting. Krishna A, Kapoor A, Kumar S, Tewari S, Garg N, Goel P. *J Invasive Cardiol.* 2011 Jun;23(6):240-5.
- Comparative efficacy of sildenafil in Eisenmenger's syndrome secondary to atrial septal defect versus ventricular septal defect. Garg N, Tripathy N, Sinha N. *Cardiol Young* 2011 Dec; 21(6): 631-8. Epub 2011 Jun 8.
- Association of 25 bp Deletion in MYBPC3 Gene with Left Ventricle Dysfunction in Coronary Artery Disease Patients. *PLoS One* Srivastava A, Garg N, Mittal T, Khanna R, Gupta S, Seth PK, Mittal B. 2011; 6 (9): e24123. Epub 2011 Sep 7.
- Impact of renin-angiotensin-aldosterone system gene polymorphisms on left ventricular dysfunction in coronary artery disease. *Disease Markers* Mishra A, Srivastava A, Mittal T, Garg N, Mittal B. 2012; 32(1):33-41. DOI: 10.3233/DMA-2012-0858
- Cardio-vascular Dysfunction and Catecholamine Cardio-myopathy in Pheochromocytoma Patients and their Reversal Following Surgical Cure: Results in a Prospective Case-Control Study. Gaurav Agarwal, Dhalapathy Sadacharan, Aditya Kapoor, Aditya Batra, Preeti Dabadghao, Gyan Chand, Anjali Mishra, Amit Agarwal, Ashok K Verma, Saroj K Mishra. *Surgery.* 2011 Dec;150(6):1202-11.
- A study of clinical presentation and delays in management of acute myocardial infarction in community .Pravin K Goel, Saurabh Kumar Srivastava, Fauzia Ashfaq, PR Gupta, PC Saxena, Rajeev Agarwal, Sudeep Kumar, Naveen Garg, Satyendra Tewari, Aditya Kapoor. *Indian Heart J* 6403: 295-301;2012
- Association of plasma cystatin C Levels with angiographically documented coronary artery disease in patients of Indian Origin. Batra A, Kapoor A, Sharma RK, Agrawal N, Sinha A, Kumar S, Garg N, Tewari S, Goel PK. *Journal of Cardiology* 2012 , 58(2): 182-189.
- Tetralogy of Fallot with infective endocarditis: An echocardiographic explanation of misleading clinical signs. Goel PK, Bhatia T, Moorthy N. *Pediatr Cardiol* 2011

Book Chapters

- Garg N. Acute Rheumatic Fever. Oxford Desk Reference-Cardiology (ODS) 2011. Oxford University Press, London. Editors: Hung-Fat Tse, Gregory Y. Lip, and Andrew J. Stewart Coats. (International edition)

Case Report

- Graded Balloon Dilatation As A Pre Requisite To Amplatzer Device Closure Of Perforated Inter- Atrial Septal Aneurysm – Goel PK, Kapoor A, *Singapore Med J* 2012;53(1) :e18e20.
- Intrapericardial Synthetic Sterile Glue Injection – A last Resort Effort to Salvage Recurrent Cardiac Coronary Micro Leak Post PCI, Goel PK, Kapoor A, Batra A. *J Invasive Cardiol.* 2011 Dec; 23(12):E293-5.
- Percutaneous coronary vein angioplasty for severe spasm of the posterolateral vein during bi-ventricular pacing. Kapoor A, Kumar S, Batra A. *J Invasive Cardiol.* 2011 Jul; 23(7):E170-2.
- Takayasu's Arteritis Mimicking Unilateral Pulmonary Artery Agenesis in a Child With Severe Pulmonary Hypertension and Right Heart Failure: A Diagnostic Dilemma. Kumar S, Moorthy N, Kapoor A, Kumar S. *Pediatr Cardiol.* 2011 Jun 15.

- Inoue balloon mitral valvotomy in a 4-year-old boy: to treat fulminant rheumatic mitral stenosis. Kapoor A, Moorthy N, Kumar S, Tex Heart Inst J. 2012;39(1):108-11.
- Renal Artery Embolism Following Thrombolytic Therapy for Prosthetic Valve Thrombosis. Moorthy N, Kumar S, Kapoor A, Kumar S. Heart Views. 2011 Apr;12(2):81.
- A Large Coronary-Pulmonary Artery Fistula in a Cyanotic Patient Leading to Severe Biventricular Dysfunction and Heart Failure. Kapoor A, Walia R, Jain S, Kumar S. Echocardiography. 2011 Oct 4. doi: 10.1111/j.1540-8175.2011.01494.x.
- Challenging dual chamber permanent pacemaker implantation in persistent left superior vena cava with absent right superior vena cava Kumar S, Moorthy N, Kapoor A, Sinha N. Journal of Cardiology Cases (2011)
- Gunshot Wounds Causing Myocardial Infarction, Delayed Ventricular Septal Defect, and Congestive Heart Failure Kumar S, Moorthy N, Kapoor A, Sinha N, Tex Heart Inst J. 2012;39(1):129-32.
- Hyperkalemia manifesting as pre-syncope and pseudo ST elevation in the ECG in a post renal transplant patient: rejection or something else? Kapoor A, Kumar S, Prasad N, Sharma RK. Indian Journal of Transplantation 2012 , 6, Number 1; 1-3
- Delayed Cardiac Metastasis from Phyllodes Breast Tumor Presenting as Cardiogenic Shock. Garg N, Moorthi N, Agrawal SK, Pandey S, Kumari N. Tex Heart Inst J 2011; 38(4): 441-444.
- Sequential Single-Stage Percutaneous Balloon Dilatation of an Inferior Vena Cava Obstruction with Rheumatic Mitral Stenosis. Sinha N, Kapoor A, Kumar S, Moorthy N, Singh V, Phadke RV. J Heart Valve Dis 2011;20:237-239.
- Right paracardiac mass due to organized pericardial hematoma around retained epicardial pacing wires following aortic valve replacement. Kapoor A, Syal S, Gupta N, Gupta A. Interact Cardiovasc Thorac Surg. 2011, Jun;13(1):104-6.
- Paradoxical euthyroid hormone profile in a case of Graves' disease with cardiac failure. Jevalikar G, Gupta P, Bhatia V, Kapoor A, Gambhir S. Int J Pediatr Endocrinol. 2011 Jul 24;2011:8.
- Pug marks in the heart. N Moorthy, A Kapoor. Tex Heart Inst J. 2011;38(5):606.
- Coronary Pseudoaneurysm In A Non-Polymer Drug Eluting Stent: A Rare Entity. A Kapoor, A Batra, S Kumar, S Pandey, SK Agarwal, N Sinha. Asian Cardiovasc Thorac Ann. 2011 Dec;19(6):407-10
- A Large Coronary- Pulmonary Artery Fistula In A Cyanotic Patient Leading to Severe Bi-Ventricular Dysfunction And Heart Failure. Walia R, Kapoor A, Jain SK, Kumar S. Echocardiography. 2011 Nov;28(10):E207-11
- Successful balloon mitral valvotomy in rheumatic mitral stenosis with Ebstein's anomaly. Tewari S, Kapoor A, Moorthy N. J Heart Valve Dis. 2011 Sep;20(5):601-3.
- Graded balloon dilatation as a prerequisite to Amplatzer device closure of perforated interatrial septal aneurysm. Goel PK, Kapoor A. Singapore Med J. 2012 Jan;53(1):e18-20.
- Hepatic Portal Venous Gas and "The Aquarium Sign" Due to Intussusception in Kawasaki Disease. Singh UN, Kapoor A, Aggarwal A, Kumar S, Poddar U. Echocardiography. 2012 May 29
- Acute ST-elevation myocardial infarction 6 years following a sirolimus-eluting stent secondary to complete stent fracture. Khanna R, Kapoor A, Sinha N. J Invasive Cardiol. 2012 Apr;24(4):E64-6.
- Inoue balloon mitral valvotomy in a 4-year-old boy: to treat fulminant rheumatic mitral stenosis. Kapoor A, Moorthy N, Kumar S. Tex Heart Inst J. 2012;39(1):108-11.
- Mitral-aortic intervalvular fibrosa aneurysm with rupture into left atrium: An uncommon cause of acute dyspnoea. Moorthy N, Kumar S, Tewari S, Garg N, Kapoor A, Goel PK, Sinha N. Heart Views (Accepted-In press)
- Kocher-Debre-Semelaigne Syndrome with Arrhythmogenic Right Ventricular Cardiomyopathy: A Hitherto Unrecognized Association. Kapoor A, Moorthy N, Kumar S, Indian Journal of Endocrinology and Metabolism. Accepted-In Press.

Department of Critical Care Medicine

Publications

AK Baronia

Original articles

- Manoharan A, Sugumar M, Kumar A, Jose H, Mathai D, Khilnani GC, Kapil A, Francis G, Radhakrishnan K, Dutta TK, Parija SC, Narang R, Mendiratta DK, Deotale V, Baronia AK, Prasad KN. Phenotypic & molecular characterization of AmpC β -lactamases among *Escherichia coli*, *Klebsiella* spp. & *Enterobacter* spp. from five Indian Medical Centers. Indian J Med Res. 2012;135(3):359-64.
 - Singh P, Baronia AK, Prasad KN, Dhole TN, Singh SK. Infection control awareness amongst illiterate workers in an Indian Intensive Care Unit: Impact of an unconventional educational intervention. Int J Infect Control. 2011,v8:i1 doi: 10.3396/ijic.v8i1.007.12
 - Gurjar M, Saigal S, Baronia AK, Azim A, Poddar B, Singh RK. Clinical manifestations of co-infection with malaria and leptospirosis. Tropical Doctor 2011;41(3):175-8.
 - Singh RK, Baronia AK, Sahoo JN, Sharma S, Naval R, Pandey CM, Poddar B, Azim A, Gurjar M. Prospective comparison of new Japanese Association for Acute Medicine (JAAM) DIC and International Society of Thrombosis and Hemostasis (ISTH) DIC score in critically ill septic patients. Thromb Res. 2012;129(4):e119-25.
- #### Banani Poddar
- Singh RK, Baronia AK, Sahoo JN, Sharma S, Naval R, Pandey CM, Poddar B, Azim A, Gurjar M. Prospective comparison of new Japanese Association for Acute Medicine (JAAM) DIC and International Society of Thrombosis and Hemostasis (ISTH) DIC score in critically ill septic patients. Thromb Res. 2012;129(4):e119-25.

- Gurjar M, Saigal S, Baronia AK, Azim A, Poddar B, Singh RK. Clinical manifestations of co-infection with malaria and leptospirosis. *Tropical Doctor* 2011;41(3):175-8.

Afzal Azim

- Singh RK, Baronia AK, Sahoo JN, Sharma S, Naval R, Pandey CM, Poddar B, Azim A, Gurjar M. Prospective comparison of new Japanese Association for Acute Medicine (JAAM) DIC and International Society of Thrombosis and Hemostasis (ISTH) DIC score in critically ill septic patients. *Thromb Res.* 2012;129(4):e119-25.
- Gurjar M, Saigal S, Baronia AK, Azim A, Poddar B, Singh RK. Clinical manifestations of co-infection with malaria and leptospirosis. *Tropical Doctor* 2011;41(3):175-8.

RK Singh

- Singh RK, Baronia AK, Sahoo JN, Sharma S, Naval R, Pandey CM, Poddar B, Azim A, Gurjar M. Prospective comparison of new Japanese Association for Acute Medicine (JAAM) DIC and International Society of Thrombosis and Hemostasis (ISTH) DIC score in critically ill septic patients. *Thromb Res.* 2012;129(4):e119-25.
- Gurjar M, Saigal S, Baronia AK, Azim A, Poddar B, Singh RK. Clinical manifestations of co-infection with malaria and leptospirosis. *Tropical Doctor* 2011;41(3):175-8.

Mohan Gurjar

- Singh RK, Baronia AK, Sahoo JN, Sharma S, Naval R, Pandey CM, Poddar B, Azim A, Gurjar M. Prospective comparison of new Japanese Association for Acute Medicine (JAAM) DIC and International Society of Thrombosis and Hemostasis (ISTH) DIC score in critically ill septic patients. *Thromb Res.* 2012;129(4):e119-25.
- Gurjar M, Saigal S, Baronia AK, Azim A, Poddar B, Singh RK. Clinical manifestations of co-infection with malaria and leptospirosis. *Tropical Doctor* 2011;41(3):175-8.

AK Baronia

Case reports and others

- Gurjar M, Singhal S, Baronia AK, Azim A, Poddar B. Valproate induced hyperammonemic encephalopathy: a reminder of rare complication of valproate. *J Emerg Trauma Shock.* 2011;4:321-2.
- Gurjar M, Baronia AK, Azim A, Sharma K. Managing aluminum phosphide poisoning. *J Emerg Trauma Shock.* 2011;4(3):378-84.
- Ghatak T, Azim A, Baronia AK, Poddar B. Cardiac calcification in acute intermittent porphyria. *Ann Pediatr Cardiol.* 2011;4:186-8.
- Ghatak T, Azim A, Baronia AK, Muzaffar SN. Malposition of central venous catheter in a small tributary of left brachiocephalic vein – a report of two cases. *J Emerg Trauma Shock.* 2011;4:523-5.
- Ghatak T, Singh RK, Baronia AK, Sahu S. Post operative acute anisocoria and old traumatic brain injury - A case report. *Indian J Anaesth.* 2011; 55: 609-11.

- Ghatak T, Singh RK, Baronia AK. Enteral Voriconazole Induced Hypoglycemia - A Potentially Life Threatening Complication. *Indian J Pharmacol.* 2012;44:138-9.
- Ghatak T, Singh RK, Baronia AK. An unusual case of non-occlusive mesenteric ischemia in young girl. *Indian J Crit Care Med.* 2012;16(1):28-30.
- Gurjar M, Kothari N, Baronia AK. Pandemic H1N1 Influenza with atypical presentation: encephalopathy and severe thrombocytopenia. *Indian J Crit Care Med.* 2012;16(1):60-1.
- Azim A, Sahoo JN, Baronia AK, Gurjar M, Singh RK, Poddar B, Armin A, Garg P, Saigal S. Severe Dengue with massive pleural effusion requiring urgent intercostal chest tube drainage. *Am J Emerg Med.* 2012;30:389.e1-2.
- Singh RK, Baronia AK. Letter to editor: Author's comments on letter to editor. *Thrombosis Research.* 2012;129(4):e119-25.

Banani Poddar

- Gurjar M, Singhal S, Baronia AK, Azim A, Poddar B. Valproate induced hyperammonemic encephalopathy: a reminder of rare complication of valproate. *J Emerg Trauma Shock.* 2011;4:321-2.
- Singh RK, Poddar B, Singhal S, Azim A. Continuous hypertonic saline for ALF in ICU. *Indian J Gastroenterol.* 2011;30:178-80.
- Ghatak T, Azim A, Baronia AK, Poddar B. Cardiac calcification in acute intermittent porphyria. *Ann Pediatr Cardiol.* 2011;4:186-8.
- Poddar B. Hyperglycemia in the critically ill child: Is there enough evidence to treat it? *Indian Pediatrics.* 2011;48:531-6.
- Singh P, Poddar B, Singh RK. Management of a Massive Pediatric Cerebral Infarct with Mass Effect. *Indian J Pediatr.* 2012 Jan 10. [Epub ahead of print]
- Poddar B. Hyperglycemia in PICU treat with caution. *Indian Pediatr.* 2012;49(2):161-2.
- Azim A, Sahoo JN, Baronia AK, Gurjar M, Singh RK, Poddar B, Armin A, Garg P, Saigal S. Severe Dengue with massive pleural effusion requiring urgent intercostal chest tube drainage. *Am J Emerg Med.* 2012;30:389.e1-2.

Afzal Azim

- Gurjar M, Singhal S, Baronia AK, Azim A, Poddar B. Valproate induced hyperammonemic encephalopathy: a reminder of rare complication of valproate. *J Emerg Trauma Shock.* 2011;4:321-2.
- Singh RK, Poddar B, Singhal S, Azim A. Continuous hypertonic saline for ALF in ICU. *Indian J Gastroenterol.* 2011;30:178-80.
- Gurjar M, Baronia AK, Azim A, Sharma K. Managing aluminum phosphide poisoning. *J Emerg Trauma Shock.* 2011;4(3):378-84.
- Ghatak T, Azim A, Baronia AK, Poddar B. Cardiac calcification in acute intermittent porphyria. *Ann Pediatr Cardiol.* 2011;4:186-8.

- Ghatak T, Azim A, Baronia AK, Muzaffar SN. Malposition of central venous catheter in a small tributary of left brachiocephalic vein – a report of two cases. *J Emerg Trauma Shock*. 2011;4:523-5.
- Gurjar M, Saigal S, Azim A, Mohindra S, Prasad N, Srivastava G. Acute pancreatitis-induced thrombotic thrombocytopenic purpura. *Journal of Pancreas*. 2012;13:80-2.
- Azim A, Sahoo JN, Baronia AK, Gurjar M, Singh RK, Poddar B, Armin A, Garg P, Saigal S. Severe Dengue with massive pleural effusion requiring urgent intercostal chest tube drainage. *Am J Emerg Med*. 2012;30:389.e1-2.

RK Singh

- Singh RK, Poddar B, Singhal S, Azim A. Continuous hypertonic saline for ALF in ICU. *Indian J Gastroenterol*. 2011;30:178-80.
- Ghatak T, Singh RK, Baronia AK, Sahu S. Post operative acute anisocoria and old traumatic brain injury - A case report. *Indian J Anaesth*. 2011; 55: 609-11.
- Ghatak T, Singh RK, Baronia AK. Enteral Voriconazole Induced Hypoglycemia - A Potentially Life Threatening Complication. *Indian J Pharmacol*. 2012;44:138-9.
- Singh P, Poddar B, Singh RK. Management of a Massive Pediatric Cerebral Infarct with Mass Effect. *Indian J Pediatr*. 2012 Jan 10. [Epub ahead of print]
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- Azim A, Sahoo JN, Baronia AK, Gurjar M, Singh RK, Poddar B, Armin A, Garg P, Saigal S. Severe Dengue with massive pleural effusion requiring urgent intercostal chest tube drainage. *Am J Emerg Med*. 2012;30:389.e1-2.
- Singh RK, Baronia AK. Letter to editor: Author's comments on letter to editor. *Thrombosis Research*. 2012;129(4):e119-25.

Mohan Gurjar

- Gurjar M, Singhal S, Baronia AK, Azim A, Poddar B. Valproate induced hyperammonemic encephalopathy: a reminder of rare complication of valproate. *J Emerg Trauma Shock*. 2011;4:321-2.
- Sharma RK, Kaul A, Gupta A, Bhaduria D, Prasad N, Jain A, Gurjar M, Rao BP. High anion gap refractory metabolic acidosis as a critical presentation of endosulphan poisoning. *Indian J Pharmacol* 2011;43:469-71.
- Gurjar M, Baronia AK, Azim A, Sharma K. Managing aluminum phosphide poisoning. *J Emerg Trauma Shock*. 2011;4(3):378-84.
- Gurjar M, Saigal S, Azim A, Mohindra S, Prasad N, Srivastava G. Acute pancreatitis-induced thrombotic thrombocytopenic purpura. *Journal of Pancreas*. 2012;13:80-2.
- Gurjar M, Kothari N, Baronia AK. Pandemic H1N1 Influenza with atypical presentation: encephalopathy and severe thrombocytopenia. *Indian J Crit Care Med*. 2012;16(1):60-1.

- Azim A, Sahoo JN, Baronia AK, Gurjar M, Singh RK, Poddar B, Armin A, Garg P, Saigal S. Severe Dengue with massive pleural effusion requiring urgent intercostal chest tube drainage. *Am J Emerg Med*. 2012;30:389.e1-2.

Cardiovascular and Thoracic Surgery

Original Articles

International

- Rathore SS, Agarwal SK, Pande S, Singh SK, Mittal T, Mittal B. Therapeutic Dosing of Acenocoumarol: Proposal of a population specific pharmacogenetic dosing algorithm and its validation in North Indians. *Plosone* 2012;7:e37844
- Pande S, Kapoor A, Agarwal SK, Singh RK, Arora M, Tewari S. Does rheumatic valvular heart disease affect right ventricular performance? *Indian Heart Journal* 2011; 63: 446-9
- Pande S, Agarwal SK, Majumdar G, Narwaley M, Shukla RK, Arora M. Reconstruction of trileaflet pulmonary valve using autologous pericardium. *Heart Lung and Circulation* (In press)
- Garg N, Moorthy N, Agarwal SK, Pande S, Kumari N. Delayed cardiac metastasis from malignant phyllodes breast tumor presenting as shock. *Tex Heart Inst J* 2011;38:441-444

Department of Endocrinology

- Nisha RS, Gupta SK, Marawaha R, Godbole MM. Role of B12 and homocysteine status in determining BMD and bone turnover in young Indians. *J Clin Densitometry*, 2012 (accepted)
- Deb P, Gupta SK, Godbole MM. Effects of short-term testosterone replacement on areal bone mineral density and bone turnover in young hypogonadal males (accepted, 2012)
- Julka S, Gupta SK, Srivastava A. Metabolic evaluation in subjects with high risk of stone recurrence. *Indian J Endocrinol Metab*. 2012 Mar;16(2):283-7.
- Reddy SV, Gupta SK, Jain M. Dermopathy of Graves' disease: Clinico-pathological correlation. *Indian J Endocrinol Metab*. 2012 May;16(3):460-2.
- Joshi A, Gupta SK, Srivastava A. Metabolic evaluation in single stone formers. (Accepted, 2012)
- Reddy SVB, Gupta SK. Atypical femoral shaft fracture in a patient with non-metastatic prostate cancer on zoledronic acid therapy: Effect of therapy or coincidence? *Singapore Med J*. 2012 Mar;53(3):e52-4.
- Tandon A, Shrivastava A, Kumar A, Prayaga AK, Sundaram C, Godbole MM. Sodium iodide symporter, estrogen receptor, and progesterone receptor expression in carcinoma breast--an immunohistochemical analysis. *Indian J Pathol Microbiol*. 2011 Oct-Dec;54(4):745-51.
- Singh P, Godbole M*, Rao G, Annarao S, Mitra K, Roy R, Ingle A, Agarwal G, Tiwari S. Inhibition of autophagy stimulate molecular iodine-induced apoptosis in hormone independent breast tumors. *Biochem Biophys Res Commun*. 2011 Nov 11;415(1):181-6. Epub 2011 Oct 18.

- Kalra P, Das V, Agarwal A, Kumar M, Ramesh V, Bhatia E, Gupta S, Singh S, Saxena P, Bhatia V. Effect of vitamin D supplementation during pregnancy on neonatal mineral homeostasis and anthropometry of the newborn and infant. *Br J Nutr* 2011 (in press).
- Joshi A, Reddy SVB, Bhatia V, Choudhuri G, Singh RK, Singh N, Bhatia E. High prevalence of low bone mineral density in patients with tropical calcific pancreatitis. *Pancreas* 2011; 40: 762-767.
- Reddy SVB, Bhatia E. Intensive glycemic control in type 2 diabetes mellitus: does it improve cardiovascular outcomes? *Natl Med J India* 24: 21-27, 2011

Case Reports

- Kulkarni A and Dabadghao P. Isosexual Precocity due to Juvenile Granulosa Cell Tumour: case report and review of Literature
- Jevalikar G, Gupta G, Bhatia V, Kapoor A, Gambhir SS. Paradoxical euthyroid hormone profile in a case of Graves' disease with cardiac failure. *Int J Pediatr Endocrinol* 2011: 8.

Book Chapters

E Bhatia

- Bhatia E, Bhatia V. Adrenal disorders. *API Textbook of Medicine*. 2012

V Bhatia

- Bone and mineral metabolism. In "Practical Pediatric Endocrinology in a Limited Resource Setting" by the European Society for Pediatric Endocrinology. Zacharin M Ed., Elsevier, Melbourne, 2012.
- Cultural differences and controversies about timing of management: In *Disorders of Sex Development: An integrated approach to management*. Ed Hutson J, Warne GL and Grover S. Springer, 2012
- Diabetes mellitus. In *Indian Academy of Pediatrics Text book of Pediatrics*. Jaypee Brothers, N Delhi, 5th edn (2012).
- Disorders of bone and mineral homeostasis. In *Indian Academy of Pediatrics Text book of Pediatrics*. Jaypee Brothers, N Delhi, 5th edn (2012).

Sushil Gupta

- Gupta SK. Metabolic evaluation in nephrolithiasis. (Chapter in *ESI manual* 2011)
- Gupta SK. Approach to subject with low bone mass. (Chapter in *Manual of osteoporosis*. Macmillan)
- Guidelines on diagnosis and management of osteoporosis in India

Department of Endocrine Surgery

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Department of Plastic Surgery

Ankur Bhatnagar

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Alok Nath

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- Knowledge, attitude and beliefs of people towards blood donation in North India; Dubey A, Sonker A, ChaurasiaR,Chaudhary R.K. (Status: Accepted for publication in *Blood Transfusion Journal*).
- Evaluation of inhibitors and transfusion related complications in patients of Hemophilia; Dubey A, Verma A, Sonker A, Agrawal P, Elhence P. (Status : accepted for publication in *Asian Journal of Transfusion Science* (AJTS)).

Department of Urology

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Finance & Accounts

Officers

BR Singh

RP Kothari

SK Asthana

Harendra Kumar

RN Singh

UC Pandey

Dinesh Srivastava

Sanjay Dua

Manoj Srivastava

Anoop Saxena

Lalta Prasad

Finance Officer

Senior Accounts Officer

Senior Accounts Officer

Accounts Officer

Accounts Officer

Accounts Officer

Assistant Accounts Officer

Assistant Accounts Officer

Assistant Accounts Officer

Assistant Accounts Officer

Assistant Accounts Officer

Departmental Activities

1. Functions & tasks completed during the year
2. Preparation of Budget
3. Receipt of Institute Income & Grants
4. Maintenance of Books and Accounts
5. Finalization of Annual Account and preparation of annual statements
6. Execution of agreements
7. Audit of Accounts and settlement of Audit paras.

Statement of Accounts 2009-2010

Plan

Opening Balance	Rs 8591.87 lacs
Grant received	Rs 13065.01 lacs
Other receipts	Nil
Total Receipts	Rs 21656.88 lacs
Expenditure during the year	Rs 15989.63 lacs
Closing Balance	Rs 5667.25 lacs

Non-Plan

Grant received	Rs 20645.00 lacs
Total Receipts	Rs 3559.00 lacs
	Rs 24204.00 lacs
Expenditure during the year	Rs 20645.00 lacs

Department of Hospital Administration

Faculty		
	Hem Chandra	Additional Professor and Head
Senior Resident	1	
Students of Diploma in Hospital Administration		
Dr. Vidha Chandra		
Dr. Garima Singh		
Dr. Shucheta		
Dr. Jitendra Verma		
Dr. Karuna Dubey		
Dr. Priya Kumari		
Departmental Activities		
Teaching Programmes		
Department of Hospital Administration, SGPGIMS. is running full time Diploma in hospital Administration course. In 2011-2012 , six students have been enrolled and will complete the course in June 2012. 12 students of MHA/ MBA (HA)/ PGDHHM were supervised by the department during their three/ six months teaching/ training programme. 18 students of PG Diploma in Hospital and Health Management run by IGNOU, were supervised through distance learning process and contact programme.		
Appointment		
Hem Chandra		
<ul style="list-style-type: none">Appointed as Internal Examiner for term end examination 2011 of Diploma in Hospital Administration SGPGIMS Lucknow.		
<ul style="list-style-type: none">Appointed as Internal Examiner for term end examination of PG Diploma in Hospital and Health Management of IGNOU 2011 ,at SGPGIMS Lko.“External Examiner” for MD in Hospital Administration by Nizam Institute of Medical Sciences, Hyderabad, AP.		
Honours and Awards		
Reviewer of Journal		
Hem Chandra		
<ul style="list-style-type: none">Nursing staffing level and nursing outcome: A Bayesian, Analysis of Finnish registered nurse survey data, Journal of Nursing Management, U.K.The critical importance of leading from the middle, Journal of Nursing management, U.K.Writing for publication made easy for nurses – An evaluation, Nursing Management, Oct., 2011.Appointed State Coordinator for evaluation of Trauma Centres in Uttar Pradesh, 2011. by MOHFW, GOI, New Delhi.		
Thesis Evaluation		
<ul style="list-style-type: none">Thesis evaluator, Hospital administration, MHA students (5) of college affiliated to Rajiv Gandhi University of Health Sciences, Bangalore, Karnataka, Oct., 2011.Evaluation of utilization of Laboratory test in Accident and Emergency, Dept. of KLE, Dr. P. Kore, Hospital Belgaon.A need to study the inventory control management in pharmacy store of KLE, Dr. P. Kore Hospital, Belgaon.Drug utilization in Neonatal Intensive Care unit in KLE, Dr. P. Kore Hospital, Belgaon.		

- A study on Hospital Profitability per hour of operating room time in Day care surgeries, KLE, Dr. P. Kore Hospital, Belgaon.
- A study of in-patient satisfaction in Hospital Services, KLE, Dr. P.Kore hospital, Belgaon.
- Programme Director, 70 days professional Development programme for Medical Officer of U.P. from 21st Feb 2011 to 1st May 2011.
- Programme Director, one day workshop on “Changing paradigm on Health care Administration” at SGPGIMS, Lucknow in collaboration with UPHHAR , on 10th April 2011.

Conference Presentation

- Wealth from solid waste – An effort made by Recycling/ Utilization
- (An experience at a tertiary care Hospital in India), International Conference on Recycling & Reuse of Materials (ICRM), organized by Mahatma Gandhi University, Kottayam, Kerala, 5-7.8.2011
- Supply Chain Management with Cost-containment & Financial Sustainability in a Tertiary Care, Hospital International conference on Business and Information-ICBI- 2011, organized by Deptt. of Management, Kelaniya University, Colombo, Sri Lanka, 20.10.2011
- Strategizing Quality Implementation in Intensive Care Unit: A Statistically-sound, Novel Approach Using Delphi Technique ,Conference on Sustainable Health Care Excellence, SHE-2011, organized by department of Hospital Administration, AFMC, Pune, 19.11.2011
- HIV/AIDS awareness of truck drivers- Level of awareness, 4th National Conference of AIDS Society of India, organized by AIDS society of India at SGPGIMS Lucknow ,16-18 Dec. 2011.
- General management, Hospital management, Biomedical waste management, materials management & Inventory control, training programme organized on Hospital Administration with emphasis on Logistic management organized by NPC & SGPGIMS at Dalhousie, HP, Sept. 2011.
- Health Care Delivery- Role of Manager, seminar on Excellence in Hospital Management – Need of the Hour, organized by RK Devi Hospital &Dr. GH Singhania Institute of Management and Research , Kanpur, 4.1.2012
- Hospital Administration- rationale for Existence, seminar on Excellence in Hospital Management – Need of the Hour, organized by RK Devi Hospital &Dr. GH Singhania institute of Management and Research , Kanpur, 27.1.2012
- Medical Record Services, Central Bureau of health informatics (UP branch) Aliganj, Lucknow, 18.1.2012
- Emergency and Disaster management in Hospitals, Academy of UP Administration and Management, Lucknow, 24.1.2012
- General management, Hospital management, Biomedical waste management, materials management & Inventory control, training programme organized on Hospital Administration with emphasis on Logistic management organized by NPC & SGPGIMS at Udaipur, 23-27.3.2012
- Programme Director, one day workshop on “ Medico legal aspects of Health care ” at SGPGIMS, in collaboration with AHA LKO chapter, Lucknow on 22 April 2011.
- Organiser- One day work shop on Innovations in Quality in Health Care, jointly organized by Hospital Admn SGPGI, Era Medical College and AHA LKO Chapter, on 11 June 2011.
- Programme Co-director, training programme, “Hospital Administration with special emphasis on Logistic management” in collaboration with National Productivity Council, Kanpur at Gangtok, Dalhausi, HP, Sept. 2011..
- One day work shop on Hazards free hospitals- An approach , jointly organized by Hospital Admn SGPGI, UPHHAR Lko and AHA LKO Chapter, on 03 Oct. 2011.
- One day work shop on Innovations in Quality in Health Care, jointly organized by Hospital Admn SGPGI, Era Medical College and AHA LKO Chapter, on 11 June 2011 .
- Training/ Teaching program for PG Diploma in Hospital Administration, Sarojani Naidu Govt. Girls college Bhopal, jointly organized by Hospital Admn SGPGI,UPHHAR Lucknow and AHA Lucknow Chapter, 24 Sept.2011 to 04 Oct. 2011.
- Training programme for Group D employees of SGPGIMS as a part of 6th pay commission for granting Rs 1800.00 grade pay, between 10 Dec. 2011- 6.March 12, 2012.
- Programme Co-director, training programme, “Hospital Administration with special emphasis on Logistic management” in collaboration with National Productivity Council, Kanpur at Udaipur, Rajasthan, 23-27 March 2012.

Conference Attended

Hem Chandra

- National Workshop on Emerging Technologies for Collaborative Health Care for the Nation, Organised by School of Telemedicine SGPGIMS and CDAC Pune, 13-14 May 2011.
- International Conference on Recycling & Reuse of Materials , organized by Mahatma Gandhi University, Kottayam, Kerala, 5-7.8.2011
- International conference on Business and Information-2011, organized by Deptt. of Management, Kelaniya University, Colombo, Sri Lanka, 20.10.2011
- Conference on Sustainable Health Care Excellence, organized by department of Hospital Administration, AFMC, Pune, 19.11.2011
- 33rd Annual Conference of Indian association for the Study of population, conference organized by Deptt. of Biostatistics& Health Informatics, SGPGIMS Lucknow, 11-13 Nov. 2011.

Workshop/Training Programme Organized

- Programme Co-director, training programme, “Hospital Administration with special emphasis on Logistic management” in collaboration with National Productivity Council, Kanpur at Gangtok, Sikkim. March 2011.

- 4th National Conference of AIDS Society of India, organized by AIDS society of India at SGPGIMS Lucknow ,16-18 Dec. 2011
- One day workshop on Evaluation of Trauma care centres in India, organized by NIHFV & MOHFW, GOI, New delhi, 19.11.2011
- A study of Modified Operation Theatre (Modular) of SGPGIMS by Dr.Surender Singh for award of Diploma in Hospital Administration SGPGIMS Lucknow, 2011
- A study of Gap Analysis of Emergency Receiving Station of SGPGIMS, as par NABH standards by Dr. Raman for the award of MHA by Lucknow University 2011-2012.

Miscellaneous Activities

Dissertations supervised

Hem Chandra

- A Study of Plasma Sterilizer in CSSD at SGPGIMS, Lko. By Ms Shubhra Mishra, PGDHHM student, IIMR New Delhi, May 2011.
- A study of all cases filed under CPA at SGPGIMS,by Saurabh Mishra for award of Diploma in Hospital Administration SGPGIMS Lucknow, 2011
- A study of Emergency Receiving Station, SGPGIMS specially with reference to induction of epidemic patients by Dr.Aftab Alamfor award of Diploma in Hospital Administration SGPGIMS Lucknow, 2011
- A study of effectiveness of of policy of interval use of ICU in controlling Hospital Acquired Infection & cost effectiveness of treatment in cardiac patients of SGPGIMS, by Dr. Navneet Jaiswal for award of Diploma in Hospital Administration SGPGIMS Lucknow, 2011
- Dissertation submitted by the student of IGNOU as a partial fulfillment for the award of P.G. Diploma in Hospital & Health Management, 2011.
- Evaluation of available infrastructure and its utilization in the pathology lab of central hospital , north central railway, Allahabad, by Dr. Charu Chandra Saxena.
- A study of common bottlenecks in ERS of SGPGIMS, Hospital by Dr. Shashi Ambesh
- A study of biomedical waste management practices at Zonal Armed Forced Hospital Kanpur by Dr. Vinita Gupta.
- A study to establish a neonatal ICU at district hospital , Bahraich by dr. Rajendra singh.
- A study of ICU services being offered by private health centre in Kanpur by Ms. Shikha Sharma.
- A study of MCH services in district women hospital Allahabad, by Dr. Tabassum Bano.

Hospital Statistics

	April 2011 - March 2012
New Registration	78360
Follow up Patients	290260
Admissions	37133
Discharge	34887
Bed Occupancy Rate	76.04%
Procedures	238476
General Hospital Admissions	942
Open Heart Surgery	393
M. R. I	8686
Hemodialysis	18526
Investigations	2427861
CAPD	91
Kidney Transplant	118
Coronary Angiography	2313
Histo-Pathology	10113
CT Scan	10595
Ultra Sound	21089
Hosp. Revenue Collection April–March (Financial Year)	

School of Telemedicine & Biomedical Informatics

Program Management Committee

RK Sharma, Director	Chairman
UK Mishra	Dean & Member
RK Gupta	Member
Rakesh Aggarwal	Member
PK Pradhan	Member
SK Mishra	Member Secretary & Nodal Officer

Project Staff

Name of Staff	Designation	Project
Mr. Repu Daman Chand	Telemedicine Network Manager	National Medical College Network Project
Mr. Indra Pratap Singh	Telemedicine Project Manager	National Medical College Network Project
Mr. Vijay Pal Singh	Web Site Designer	National Medical College Network Project
Mr. Prashant Shahi	Web Site Designer	National Medical College Network Project
Ms. Niharika Bajpei	Web Site Programmer	National Medical College Network Project
Mr. Amit Mohan	Content Developer	National Medical College Network Project
Mr. Sandeep Singh	Technical Engineer	SAARC Telemedicine Network
Ms. Neha Singh	Administrative Assistant	National Medical College Network Project
Mr. Kalika Prasad	Network Engineer	PAN Africa Project
Ms. Isha Dubey	Technician	PAN Africa Project
Mr. Arvind Kumar	Engineer	CMS
Ms. Jyoti Verma	Assistant Librarian	National Medical College Network Project
Mr. Ashok Kumar	Telephone Attendant	National Medical College Network Project

Name of Staff	Designation	Project
Ms. Kamala Pokharel	Telemedicine Technician	National Medical College Network Project
Mr. Arun Kumar	Telemedicine Technician	National Medical College Network Project
Mr. Himanshu Srivastava	Content Developer	National Medical College Network Project
Mr. Prashant Chaturvedi	Telemedicine Technician	National Medical College Network Project
Ms. Varsha Yadav	Telemedicine Technician	National Medical College Network Project
Ms. Neeru Priyadarshini	Telemedicine Technician	National Medical College Network Project
Mr. Deenanath Pandey	Telemedicine Technician	UP Tele-Radiotherapy Project
Mr. Manokant Shukla	Office Asst. & Photo Copy Operator	National Medical College Network Project
Mr. Awadhesh Kumar	Driver	National Medical College Network Project
Mr. Rajesh Maurya	Attendant	National Medical College Network Project
Mr. Lalit Mishra	Attendant	National Medical College Network Project
Mr. Sachin Verma	Attendant	National Medical College Network Project

Faculty (Domain Experts & Participants in Telemedicine activities)

Prof R K Sharma	Director & HOD, Dept of Nephrology
Prof U K Misra	Prof & Head, Dept of Neurology
Prof S K Mishra	Prof & Head Endocrine Surgery & Nodal Officer SGPGI Telemedicine Programme.
Prof Eesh Bhatia	Prof. & Head, Dept of Endocrinology
Prof G Chaudhry	Prof & Head, Dept. of Gastroenterology
Prof. Raj Kumar	Prof & Head, Dept of Neurosurgery
Prof. T.N. Dhole	Prof & Head. Dept. of Microbiology
Prof. Rakesh Kapoor	Prof & Head, Dept of Urology
Prof. C.M. Pandey	Prof & Head, Dept of Bio Statistics
Dr. Anish Srivastava	Prof, Dept of Urology
Dr Kumudini Sharma	Prof. Dept of Neuro-ophthalmology
Dr Amita Aggarwal	Prof. Dept of Rheumatology
Dr Manoj Jain	Prof. Dept of Pathology
Dr. Amit Agarwal	Prof, Dept of Endocrine Surgery
Dr Gaurav Agarwal	Prof, Dept of Endo Surgery
Dr. Aditya Kapoor	Prof, Dept of Cardiology
Dr. Jayanti Kalita	Prof. Dept of Neurology
Dr Archana Gupta	Prof., Dept. of Radiology
Dr PK Pradhan	Addl. Prof Dept. of Nuclear Medicine
Dr. Ashok Kumar	Addl. Prof. Dept. of Surgical Gastroenterology

Faculty (Domain Experts & Participants in Telemedicine activities)

Dr. Richa Lal	Addl. Prof. Dept of Surgical Gastroenterology
Dr. Mandakini Pradhan	Addl. Prof. Dept. of Maternal & Rep. Hel.
Dr. Anil Mandani	Addl. Prof, Dept of Urology
Dr. U.C. Ghosal	Addl. Prof, Dept. of Gastroenterology
Dr. Rajneesh Singh	Addl. Prof. Dept. of Surgical Gastroenterology
Dr. Anu Bihari	Addl. Prof. Dept of Surgical Gastroenterology
Dr Vikash Agarwal	Addl. Prof. Dept of Immunology
Dr. Ujjala Ghosal	Addl. Prof, Dept of Microbiology
Dr Able Lawrance	Addl. Prof. Dept of Immunology
Dr S.C. Yadav	Addl. Prof, Dept of Endocrinology
Dr. Priti Elhence	Addl. Prof. Dept. of Transfusion Medicine
Dr. Anjali Mishra	Addl. Prof. Dept of Endocrine Surgery
Dr. M.S. Ansari	Addl. Prof, Dept of Urology
Dr. Sanjay Bihari	Addl. Prof, Dept of Neurosurgery
Dr. A.K. Jaiswal	Addl. Prof. Dept of Neurosurgery
Dr. Gyan Chand	Assoc. Prof, Dept of Endocrine Surgery
Dr Vikas Kanaujia	Assoc. Prof, Dept of Neuro-ophthalmology
Dr. Vijay Upadhaya	Asst. Prof. Dept. of Paediatric surgery
Dr. Kranti Bhavana	Asst. Prof. Dept. of Neuro-Otology
Dr. Piyali Bhattacharya	Consultant Pediatrics, General Hospital
Dr. Prerna Kapoor	Consultant General Medicine, General Hospital
Dr. Ajit Kumar	Consultant Dermatology, General Hospital

Hospital Administrators and Paramedical Professionals of SGPGI Participated in SGPGI Telemedicine Program

Dr. Hemchandra Pandey	Addl. Prof., Dept of Hosp. Admin.	Ms Vijay Goel	Nursing
Ms Lila Mashi	Nursing	Ms L. Masin	Nursing
Ms Madhuri Smith	Nursing	Ms S. Sanges	Nursing
Ms Meera Prakash	Nursing	Ms Ankita	Nursing
Ms Neelam Srivastava	Nursing	Ms Sangita Bal	Nursing
Ms Pratibha	Nursing	Ms Devi Dev	Nursing
Ms Sabita Swain	Nursing	Mr Satish Babu	Lab technology
Mr Alice Joseph	Nursing	Mr Manoj Shukla	Lab technology
Ms Suman Singh	Nursing	Mr Uttam Kumar	Lab technology
Ms Pushpa Singh	Nursing	Mr Viresh Dubey	Lab technology
Ms Devi Dev	Nursing	Mr J S Shukla	Lab technology
Ms Sanguta Bal	Nursing	Ms Nirupama	Dietician
Ms Ankita	Nursing	Mr Ramjeet	Physiotherapist

Departmental Activities

New Telemedicine Nodes added into SGPGI Network during the year 2011-12.

National Resource Centre and National network HUB under National Medical College Network (NMCN): Funding Agency: Ministry of Health & Family Welfare, Govt. of India

Total Grant: Rs. One Crore

Duration: One year

Scope: Sustenance of existing Infrastructure developed by Govt. of U.P. and other Central Govt. agencies, support ongoing activities and meet the activities of National Resource Center for National Medical College Network.

The Ministry of Health & Family Welfare, Govt. of India has taken initiative to implement National Medical College Network under its central scheme. Under this project all government medical colleges are to be networked with high speed optic fiber backbone of National Knowledge Network (NKN) to carry out tele-educational activities. In view of the high end infrastructure created at SGPGI which has also been declared as National Resource Centre by Department of Information Technology, Ministry of Communication & IT, Govt. of India and proven track record on usage and experience, the Ministry of Health & Family Welfare has declared SGPGI as the National Resource Centre (NRC) and National network HUB for this green field project. Current manpower engaged at the School of Telemedicine and Biomedical Informatics and running expenses are being supported by the MOH&FW project grant. Agreement has already been signed between the MOH&FW and SGPGI. The Grant of Rs. One Crore for carrying out the existing activities at School of Telemedicine & BMI has been received on 30th November 2011. The second meeting of the Standardization Group has been held on 10th December 2011 at School of Telemedicine & BMI, Lucknow for the finalization of the bill of material (BOM) for implementation of the project.

Progress in Ongoing Projects

SAARC Telemedicine Project: Funding Agency: Ministry of External Affairs, Govt. of India : This project has been supported by the Ministry of External Affairs, Govt. of India under which all SAARC countries will be networked for tele-health and tele-educational exchange. SGPGI has been identified as one of the service provider. Telecommunication Consultant of India Ltd.(TCIL), New Delhi is implementing this project. Under this project, SGPGI has got telemedicine equipment and One Mbps bandwidth. Total grant amount for the equipment: Rs. 28.00 lacs. The total no. of 151 Tele-education Sessions and 06 Tele-consultation held with Bhutan, Nepal and Afghanistan till March. 2012

National Knowledge Network Project: Funded by Government of India, implemented by National Informatics Center, Department of Information Technology: Under this project One Gbps Global I.P. bandwidth over dedicated lease line was provided on 08 Feb 2010. It is being used for telemedicine activities and Internet access by the institute.

Pan African e-Network (Telemedicine) Project: Funding Agency: Ministry of External Affairs, Govt. of India implemented by Telecommunication Consultant of India Ltd. (TCIL) : This project aims at providing tele-consultation and tele-education services to 47 African Union countries. Besides SGPGI and AIIMS, Twelve super-specialty hospitals in India are part of this network the project was launched in February 2011 at SGPGIMS. The total no. of 69 tele-education sessions were held till March.2012.

UP Medical College Telemedicine Network: The pilot phase has been completed with deployment of telemedicine infrastructure in Medical Colleges at MLN Medical College and T.B.Sapru Hospital Allahabad, GSVM Medical College Kanpur and LLRM Medical College Meerut. The onsite operational training at each node was imparted by staff of School of Telemedicine & BMI and project is operational since September 2010. The project was inaugurated on 29th December 2010 by Shri Lal Ji Verma, Honorable Minister of Medical Education & Finance, Government of U.P. The tenure of the project was one year and it was an operation till September 2011. The Clinical Grand Round held every week at and various conferences/ workshops held at SGPGI were similarly shared with all partners during the project period. UPCPMT Counseling 2011 was conducted successfully using this network.

Projects Completed

Project: National Resource Center for Telemedicine & Biomedical Informatics (2007-2011): (Funding agency – Department of Information Technology, Ministry of Comm. & IT, Govt. of India) : The project was completed on 31st July 2011. Six laboratories at the School of Telemedicine and Biomedical Informatics have been established under the grant for carrying out research and development activities in the area of telemedicine and biomedical informatics – Telemedicine, Hospital Information System, Distance medical education, Image management and Multimedia, Bioinformatics and CDSS /Artificial Intelligence. The infrastructure is also used for imparting hands on skill to students and sponsored trainees, providing digital medical illustration services for the institute users, meeting the demand of videoconference, web casting etc. Under this project videoconference facilities have also been created in 08 academic departments of SGPGI. Two mobile videoconference units have been fabricated to meet the demand of departments which does not have the facility. The bandwidth requirement is supported from National Knowledge

Network. Three products under mHealth category have been designed at the school. Soon it will be passed on to industry for mass production as soon as institute policy is in place.

Community health centre network: Tele-ophthalmology project linking Bachrawan Community Health Center under Raibarely district with Neuro-ophthalmology unit, SGPGI. Funding Agency – Ministry of Health & Family Welfare, Govt. of India under the National Health Programme - Control of Blindness. The project has completed one year of operation. Under this project tele-ophthalmology system has been installed at the Vision Centre located at Bachrawan Community Health Centre and Neuro-ophthalmology O.P.D. of SGPGI. The activities include tele-screening, tele-consultation and tele-follow up for eye diseases. Total number of 1237 patients have been benefited from this project.

SGPGI Telemedicine Network partners: SGPGI has now been connected to 22 nodes inside India i.e. all three Medical Colleges of Orissa located at SCB Medical College Cuttack, MKCG Medical college Berhampur & V.S.S. Medical College, Burla; S.R.M.C., Chennai; C.M.C., Vellore; AIIMS, New Delhi, PGIMER, Chandigarh; AIMS, Kochi; R.I.M.S., Imphal ; Railway Hospital, Izzat Nagar Bareilly; Indira Gandhi Medical College, Shimla; Asian Institute of Gastro-entology, Hyderabad; Apollo Hospital, Bhubaneswar; G.S.V.M. Medical College, Kanpur; L.L.R.M. Medical College, Meerut; M.L.N. Medical College, Allahabad, T.B. Sapru Hospital, Allahabad and Six nodes abroad i.e. Ranguel University, Toulouse France, Holy Family Hospital, Rawalpindi, Pakistan; JDWNR Hospital, Thimphu, Bhutan; Indira Gandhi Child Hospital, Kabul, Afghanistan; Patan Hospital, Kathmandu, Nepal ; Oregon Health and Science University (OHSU), U.S.A. and 47 Countries out of 53 Countries in African Union. 290 telemedicine sessions were conducted throughout this year. With this total telemedicine sessions since inception has gone up to 3694. Breakup of the activities during this year is as following;

Tele-health care

a. Tele-consultation: We have been providing tele-consultation using telemedicine technology to SCB Medical College, Cuttack and M.K.C.G. Medical College, Berhampur in Orissa, and District Hospital, Raibarely in UP under Orissa and Raibarely Telemedicine network Projects respectively and also provided tele consultation to IGCH Kabul Afganistan under SAARC Network Project. Total consultation provided this year is 17 (09 for Orissa and 08 patients for Raibarely) with this total teleconsultation provided by SGPGI till date has gone up to 1449 since inception. The departments which participated are- Radiology, Neurosurgery, Endocrine Surgery, Nuclear Medicine, Rheumatology, Neurology, Surgical Gastroenterology and Radiotherapy.

b. Tele-follow up: Departments of Rheumatology, Endocrine Surgery and Nuclear Medicine have been providing tele-follow up services to the patients of Orissa through telemedicine technology. A total of 179 patients (Old= 142, New= 37) availed tele-follow up facility this year.

Teaching and Training

Tele-education activities: Tele-education is a type of distance education in which learners and the teachers are not at the same site. The total no. of 249 tele education sessions were held this year. With this total no. of tele-education sessions held at the SGPGI Telemedicine Center has gone up to 2410. We provided distance education to the postgraduate students of three medical colleges of Orissa (n=30) using satellite communication, District Hospital, Raibarely (n=31) through fiber optic cable network, IGCH Kabul Afghanistan (n=23) and since June 2012 we have been providing Tele education to Patan Hospital, Kathmandu, Nepal (n=25) through SAARC network, Pan Africa (n=69).

To share the knowledge and experience, the doctors of the following departments participated in the programme in collaboration with their peers in specialty medical institutions across the country. A total of 68 sessions were held for such activities; Endocrinology (n=14), Endocrine Surgery (n=48), Gastroenterology (n=12), Rheumatology (n=42) and Urology (n=01).

Tele-CGR sessions: The weekly Clinical Grand Round (CGR) program conducted by various departments of SGPGIMS was transmitted to Jigme Dorji Wangchuck National Referral Hospital (JDWNRH) Thimphu, Bhutan, University College of Medical College Delhi, The Institute of Liver and Biliary Sciences (ILBS) New Delhi, IGMC Shimla, Railway Hospital Izzat nagar Bareilly, GSVM Medical College Kanpur, LLRM Medical College Meerut, SRN Medical College, Allahabad, and TB Sapru Hospital, Allahabad. The total of 29 CGR sessions were transmitted this year which takes total CGR session transmission to 151 since the start.

Tele-radiotherapy Network: Department of Radiotherapy of SGPGIMS directly linked to the Department of Radiotherapy of Chhatrapati Sahuji Maharaj Medical University, Lucknow under U.P. Tele-radiotherapy Network Project sponsored by Department of Science & Technology, Govt. of India. A total of 50 tele-education sessions were carried out this year.

Tele-CMEs: Telemedicine technology was also used to transmit the proceedings of conferences, workshops and continuing medical education program organized by various departments of SGPGIMS, to other medical colleges and institutions in India and to receive lectures from abroad. List of such activities are provided in the following Table.

Name of Tele-CME Program	Date & Year	Organizing Departments	Networked node	Communication Media
Tele CME on Med session clinical case conference	2 April 2011	Dept of Dermatologist	T.B. Sapru Hospital, Allahabad, SGPGIMS Lucknow, AIIMS New Delhi, GSVM Medical College Kanpur, LLRM Medical College Meerut	1024kbps/128 Kbps ISDN/IP
Garuda Workshop on emerging technologies for collaborative health care for the nation held at SGPGIMS Lucknow	13 -14 May 2011	Telemedicine, SGPGIMS	LLRM Medical College Meerut, GSVM Medical College Kanpur, MLN Medical College Allahabad, IG Medical College Shimla, CMC Vellore, JDWNR Hospital Thimphu Bhutan, I.L.B.S. New Delhi	1024kbps/128 Kbps ISDN/IP
Korean Medical Conference Received at SGPGIMS	13 May 2011	Telemedicine, SGPGIMS	Australia, Taiwan	Through DVTS Software
Workshop for the u-health project of city of Seoul received from SEOUL(received from South Korea)	28 June 2011	Telemedicine, SGPGIMS	South Korea	1024 kbps/IP Connected through GIP
Tele CME on Management of low back pain	30 July 2011	Dept. of Anesthesiology	United Kingdom & Endo-surgery OT to Telemedicine Auditorium	384 kbps/ ISDN
Tele CME on 1st Biennial meeting of Indian Motility & Functional Disease Association	5-7 August 2011	Dept. of Gastro-medicine SGPGIMS	AIIMS New Delhi, PGIMER Chandigarh, SGPGIMS Lucknow	384 kbps/ MPLS/ 1024 Kbps GIP
Tele CME on National meeting on Pediatric Rheumatology	3- 4 Sep. 2011	Dept. of Rheumatology, SGPGIMS	MLN Medical College Allahabad, IGCH Kabul Afghanistan	1024 kbps/GIP
CME on Critical Care: Pediatric considerations"	24 Sep. 2011	Dept. of CCM SGPGIMS	JDWNR Hospital Thimphu Bhutan, IGMC Shimla	384kbps GIP, 384 kbps MPLS.
Tele CME with Zydus Nephro-science Cadila healthcare Ltd.	30 Sep 2011	Dept. of Nephrology	Reliance web world Ahmadabad	384kbps GIP
10th PGES of Endocrine Surgery	3 -6 Nov 2011	Dept. of Endocrine Surgery	IGMC Shimla, SCBMC Cuttack, U Mas Worcester MA, USA Holy faith Hospital Pakistan, CMC Vellore,	1024 kbps/GIP/ 128 Kbps IP/ 256 Kbps GIP
Tele CME with CDFD Hyderabad	15 Nov.2011	Dept. of Genetics	CMC Vellore, AIMS Delhi, Narayana Hrudayalay Bangalore	1024 kbps/GIP

Name of Tele-CME Program	Date & Year	Organizing Departments	Networked node	Communication Media
Tele Conference of Indian Science Congress, KIIT Bhubaneswar	4 Jan.2012	Dept of Endocrine Surgery and MRH, SGPGIMS	KIIT Bhuneshwar	1024 Kbps/GIP (3 Lectures Transmit from our side)
CME on Metabolic: Hypoglycemia (web cast)	11 Jan.2012	Dept. of Genetics, SGPGIMS	CMC Vellore, PGIMER Chandigarh, CDFD Hyderabad, National Institute for Research in Reproductive Health (NIRRH) Mumbai, NH Kolkata, Narayana Hrudayalay Bangalore, Sir Gangaram Hospital N Delhi, AIIMS N Delhi	1024 kbps/GIP
Tele-CME on Clinical Best Practices in Blood Stream infection Diagnosis	12 Jan. 2012	Dept. of Microbiology, SGPGIMS	District Hospital Raibarely, SRMC Chennai, MKCGMC Berhampur, SCBMC Cuttack	1024 kbps/ GIP
Tele Conference on 3rd International eHealth: Road to national eHealth strategy for Pakistan	20 -22 Jan 2012	School of Telemedicine & BMI, SGPGIMS (OT Hub)	Holy Family Hospital Rawalpindi, Pakistan	1024 kbps/GIP (received one Lecture on Fundamental of Simulation by Prof. Ron Merrel from Pakistan) Two Lecture Transmit from our side by Prof. S.K. Mishra)

Capacity Building

Short term training program: The School of Telemedicine and Biomedical Informatics has conducted short term training program in telemedicine and received trainees. The list of trainees who received telemedicine training during this financial year are summarized below;

Training Name	Duration	No of trainee
Web developing and hosting Sponsored by K.L. Polytechnic Roorkee	1 May-30 Jun 2011	01
Telemedicine Orientation & Demonstration Training for Orissa Trust of Technical Education and Training	1 Jul-15 Jul 2011`	04
Orissa Trust of Technical Education and Training (OTTET), Bhubaneswar, Odisha	1 Aug-30 Aug 2011	10

Curriculum Based Diploma Courses:

- i. Telemedicine
- ii. Hospital Information and Management System
- iii. Nursing Informatics
- iv. Public Health Informatics
- v. Digital Medical Library

Two batches of Diploma students in telemedicine and HIMS (first batch – 07 and second batch – 06) have passed out. Third batch of Diploma students (No.4) in Telemedicine and Nursing Informatics (Three-Telemedicine and one- Nursing Informatics) have registered in July 2011. First Semester examination for the 3rd batch has been completed in Feb. 2012. In house faculty are involved with teaching application areas.

Project technical staffs are taking care of technical aspects. Guest faculty deliver lectures through video conference or physically when they visit the center.

Guest Faculty in the School for Diploma course students

Date	Name	Topic
31.03.2012	Prof. K. Ganapathy, Sr. Consultant Neuro-Surgery, President Apollo Telemedicine Networking Foundation, Ex. President, TSI	Telemedicine application in Neuro-surgery
21.03.2012	Dr. Kumar Memon Nodal Officer Telemedicine, Amrita Institute of Medical Science, Kochi Kerala	Amrita telemedicine Programme
11.02.2012	Prof.B.N. Mohanty Prof.& Head, Dept of Experimental Surgery, SCB Medical College Cuttack,Odisha	Odisha Telemedicine Network
11.02.2012	Mr.B.S.Bedi Advisor, C-DAC & Ex.Sr. Director, DIT ,Govt. of India	Standardization in Telemedicine & e-Health
11.02.2012	Dr.R. Kim Chief Medical Officer Aravinda Eye Hospital, Madurai	Tele-Ophthalmology System at Aravinda Eye Hospital
18.01.2011	Dr. Kochi Sampei Researcher, Tokyo University of School of Medicine, Japan	Clarifying the rural Telemedicine feasibility in India
15.11.2011	Maurice Mars Professor and Head of the Dept of TeleHealth at the Nelson R Mandela School of Medicine at the University of KwaZulu-Natal, South Africa	Building the capacity to build capacity: Developing world priority
18.04.2011	Dr Pramod Gaur Vice President Tele-Health UnitedHealth Group 44 South Broadway, 14th Floor White Plains, NY , USA	New Service Delivery model for Telemedicine

List of In-house faculty for Diploma Course

Date	Name	Topic
8.06.2012	Dr. Vikas Kanaujia Associate Professor Neuro-Ophthalmology, SGPGIMS, Lucknow	An Introduction to Tele-Ophthalmology
7.05.2012	Dr. UC Ghoshal Additional professor, Dept. of Gastroenterology, SGPGIMS, Lucknow	Telemedicine in Gastroenterology
1.5.12	Dr. Manoj Jain Additional professor, Dept. of Pathology, SGPGIMS, Lucknow	Telepathology
20.04.2012	Prof. RN. Misra HOD, Dept of Immunology, SGPGIMS, Lucknow	Application of Telemedicine in Rheumatology
2.04.2012	Dr. P.K. Prathan Adl. Prof. Dept. of Nuclear Medicine, SGPGIMS, Lucknow	Application of Telemedicine in Nuclear medicine
20.03.2012	Dr. Zafar Neyaz Asth. Professor Dept. of Radio-diagnosis, SGPGIMS, Lucknow	Application of Telemedicine technology in radiology (Tele-Radiology)
5 Sep 2011– 30 Jun 2012	Prof. SK Mishra Head, Department of Endocrine Surgery	Application in Telemedicine in healthcare Delivery Telemedicine & e-Health system Principles of care management Clinical Application in Healthcare Environment Information management legislation, Policy & Ethics

Creation and Maintenance of web portal:
www.telemedindia.org, www.nrct.in, www.stbmi.ac.in,
www.sgpgi-telemedicine.org, www.saarctf.org,
Telemedicine Society of India (www.tsi.org.in)

Digital medical illustration services:

School of Telemedicine and Biomedical Informatics digitized the radiological images, book pictures and photographs as per requests made by various departments of SGPGIMS for their records and academic purpose.

Scanning

Digitization of Radiological images- 1232

Digitization of Book pictures/Documents/
Photographs- 30

Video recording

Consent statement for renal transplantation, Dept. of Nephrology - 122 patients

Operational procedures,
Department of Endocrine Surgery - 16 cases

Video editing – 16 (operational procedures & events organized by various departments).

DVD/CD write- 70

Infrastructure Usage

There is provision of following facilities like Board Room, Video Conference suites, Lecture Theatre, Meeting Rooms, Medical Multimedia Imaging Lab etc. for use by various departments of Institute for conducting meetings, seminars, conferences and workshops. These rooms are equipped with various technical equipments for the live telecast to different location in India and abroad.

List of Instructors from among Project Staff participated I Diploma Course education and training:

Duration	Name of Instructor	Topics Covered
5th September 2011 – 30th June 2012	Mr. Repu Daman	Advanced telemedicine systems Telemedicine Platform (hardware / software) Types of Networking Tele-medical Videoconferencing System Professional Issue Inherent in advance nursing role Introduction to practice Application
5th September 2011 – 30th June 2012	Mr. Indra Pratap Singh	Implementation and use of telemedicine and HER Mobile Telemedicine Introduction to healthcare Overview of Telemedicine software Introduction to Nursing informatics Impact of Informatics on healthcare Delivery
5th September 2011 – 30th June 2012	Mr. Vijay pal Singh	Medical Data acquisition Telemedicine Center Management Maintenance Fundamentals of Computer Network Technology Introduction to Data Communication Introduction to Computer Application Software
5th September 2011 – 30th June 2012	Mr. Kalika Prasad	Telemedicine Software
5th September 2011 – 30th June 2012	Mr. Amit Mohan	Principles of Multimedia & Animation
5th September 2011 – 30th June 2012	Mr. H Srivastava	Principles of Multimedia & Animation
5th September 2011 – 30th June 2012	Mr. Zohab Asfi	Telemedicine Software

Reprography Services- catering the reprography services to all Medical Staff

Photocopy/ Normal Print 27815

Color Print 45

Poster Printing 37

Binding 26

Internet Access

Free Internet Access for e-resources in Lab No.3 i.e. Health Knowledge Management Lab for all Faculty members and paramedical staffs etc.

Library Facility

- School of Telemedicine & BMI is providing the facility of Digital Medical Library to Students and other staffs.

- Digital Medical Illustration facility is open to institute users.
- Invited Speaker in various National and International conference during this period:
- Light at the end of the Tunnel: Prescribe Tele health for ailing Rural Health in Developing Countries; S.K. Mishra, The Institute of Electronics & Telecommunication Engineers (IETE), Ahmadabad; 11th May 2011
- Telemedicine India Country Report; Mishra S.K, 33rd Korean Medical Association Scientific Congress; Seoul, Korea; 13th -15th May 2011
- Mobile e-Health Country Need Assessment and Feasibility Study; S.K. Mishra, International Telecommunication Union (ITU) Mission; Nepal, 24th May – 8th June 2011

- Evolution of Mobile eHealth Technology, Tools, Practices in India; S.K. Mishra; Workshop on Space technology for public health actions in the context of climate change adoption; Montreal, Canada, 19th - 21st June 2011
- Current status of Telemedicine network in India and future perspective; S.K. Mishra, Asia-Pacific Advanced Network 32nd Meeting; New Delhi India 22nd -26th August 2011
- WBB for m-Health-emerging application connected health business; S.K. Mishra, National Seminar on Wireless Vision: A Global Perspective & Issues, organized by The Institute of Electronics & Telecommunication Engineers (IETE) Lucknow Center, U.P. Tourism Development Corporation Ltd., U.P. Tourism Development Corporation Ltd., 23rd - 24th September 2011
- mHealth Tool Kit for Low Resource Countries; S.K. Mishra, UN/ Islamic Republic of Iran Regional Workshop on the use of Space Technology for Human Health Improvement (UNOOSA); Tehran, Iran, 23rd - 26th October 2011
- National Medical College Network; Mishra S.K., 7th International Conference of Telemedicine Society of India, Mumbai, 11th -13th November 2011
- Capacity Building in e-Health medical education & introducing research in Translational health informatics in academic program of Medical & Science discipline: need of the hour; Mishra S.K., 99th Indian Science Congress, KIIT University Bhubaneswar, 3rd -7th January 2012
- eHealth in SAARC Context; S.K. Mishra, 3rd International eHealth Conference: road to national eHealth strategy for Pakistan ; Lahore, Pakistan, 21th -22nd January 2012
- SAARC Telehealth Network: Scope & Potential; S.K. Mishra, 3rd International eHealth Conference: road to national eHealth strategy for Pakistan ; Lahore, Pakistan, 21th -22nd January 2012
- Creating Healthcare Accessibility through Mobile Technologies; S.K. Mishra; INDIA BIO 2012 Conference, Bangalore, 6th -8th February 2012

Organizational Activities

- Workshop on Clinical Biostatistics (supported by NIH, USA), 29th April - 1st May, 2011
- Workshop on Emerging Technologies for Collaborative Health Care for the Nation; GARUDA- 13th -14th May 2011
- Workshop on Bioinformatics: Principles, Techniques and Applications, July 29-31, 2011
- Workshop on Scientific Paper Writing, December 8th -11th December, 2011
- Workshop on Bioinformatics: Principles, Techniques and Application- 20th -21st January 2012

Future Plans

- Continuing assistance to Govt. of U.P. in expanding U.P. Telemedicine network linking Medical Colleges and District Hospitals
- Continuing assistance to Govt. of Orissa and Govt. of Uttarakhand in expanding their state wide telemedicine network
- Assisting various Ministries and Organizations of Govt. of India in national telemedicine initiatives
- Assisting developing countries, through International Development agencies, in designing and developing telemedicine network
- Starting Masters and PhD Program in the School of Telemedicine Biomedical Informatics.
- Industry collaboration for product development and marketing
- Expanding activities in the field of ICT based Capacity building in health sector
- Setting up Medical Simulation Lab. to enable technology aided medical training and professional development
- Organization of Training workshop in various field of Healthcare ICT

Investigation Revolving Fund (IRF)

Officers

KN Prasad

NR Kasliwal

IC Nawani

Anoop Saxena

Inderjeet Singh

Chairman (IRF)

Store Purchase Officer

Asstt. Technical Officer

Asstt. Accounts Officer

Junior Accounts Officer

Staff

BK Pandey Office Superintendent

Departmental Activities

Overview

54th Governing Body of the Institute dated 26.11.2002 created "Investigation Revolving Fund" (IRF) nine years ago to re-organize the purchase of all lab consumables required for patients' tests & investigations and installation of maintenance free laboratory equipment at no cost basis in most efficient and cost-effective manner on the "Principle of Self-sustainability". The object of IRF was to provide all lab consumables from day-to-day proceeds under the head of Investigation and it should meet the day-to-day running cost of all the tests & investigations listed on "Hospital Information System" (HIS) of the Institute. The concept of revolving fund is new "Purchase Mantra" for smooth & cost effective functioning of the Laboratories of the Institute. IRF has been playing a significant role in improving the Laboratory services. The Govt. of U.P. has made the first Regulations-2011 of the Institute and approved the functioning of IRF under section 20 (4), 41 (1) (b) and 41 (1) (e), vide at page 56-para 22 of the Regulation-2011.

The process of procurement of consumables is coupled with proper "utilization of goods" and realization of highly subsidized cost of tests & investigations. IRF has been making the "strong & outstanding contribution" to make accountable all labs and has been improving the functional status of all laboratories year after year.

IRF Purchase

IRF Purchase deals with the procurement of Diagnostic kits & Reagents, Chemicals & lab consumables, Glassware & Plastic-ware, Medical X-ray films, Blood bags, Radioisotopes and Installation of maintenance free laboratory Equipment at no cost basis. Purchase of all lab consumables is based on realization of cost from the different tests & investigations listed on HIS. IRF has made the purchase to the tune of Rs. 12,46,04,849.00 in the year 2011-12 as detailed below (Given on next page in Table 1).

IRF Store

IRF Store does not raise any indent of any consumable on behalf of user. All users have been submitting their "Material Requirement Planning" (MRP) on the basis of past consumption or on utilization basis of goods against

Table No.1: Annual Purchase of Goods for the year 2011-12 ended on 31.03.2012

Sl.	Particulars of the Purchase	Total Value of Purchase
Sl.	Major Head of IRF Purchase	Total Value of Purchase (Rs.)
1	Medical X-Ray films & X-Ray Chemicals	Rs. 1,14,28,804.00
2	Blood bags / Consumables & dressings	Rs. 63,50,545.00
3	Glassware & Plastic-ware	Rs. 85,77,246.00
4	Radioisotopes	Rs. 1,00,51,513.00
5	Chemicals & Reagents	Rs. 8,81,96,741.00
	Total (Rs.)	Rs. 12,46,04,849.00

listed tests. No bulk inventory is being maintained at IRF Store. IRF Store has been maintaining the Cold Chain Management. IRF store has issued the goods to the tune of Rs. 12,62,40,232.31 in the year 2011-12.

IRF Management Committee

It has been provided in the first Regulation – 2011, Chapter- VII, No. 22, there shall be an Investigation Revolving Fund (IRF) to deal with the procurement & distribution of Diagnostic Reagents & Chemicals, Radioisotopes, Blood bags, X-Ray films, Glassware & Plastic-ware and installation of maintenance free laboratory equipments at no cost basis. The IRF will be managed by a Management Committee, whose constitution and functioning will be as determined by the Governing Body; the Finance Officer will be the member of the Management Committee.

Prof. K. N. Prasad, Department of Microbiology	Chairman
Prof. P. K. Singh, Chief Medical Superintendent	Member
Dr. N. Krishnani, Department of Pathology	Member
Dr. Preeti Elhence, Department of Transfusion Medicine	Member
Sri M. K. Singh, Finance Officer	Member
Sri N. R. Kasliwal, Store Purchase Officer (IRF)	Member Secretary

The above IRF Management Committee shall be responsible for the followings.

- 1) Screening, short listing & finalization of rate contracts for supply of lab consumables including installation of maintenance free equipment after proper negotiations.
- 2) To make the policy & procedure of day to day management of IRF and ensures its smooth & effective functioning.

- 3) To constitute the Technical Evaluation Committee comprising of faculty members.
- 4) To submit its suggestions / recommendations to the Director regularly for approval.

IRF Accounts

IRF Accounts keeps a close watch over all transactions of the goods & services. The Balance Sheet of IRF is being submitted every year to the Finance Officer to incorporate in the main Balance Sheet of the Institute. All payments are made to the supplier from day-to-day proceeds within 30 days and no complaint of any vendor is received for delayed payment. Bank Reconciliation Statement is also up to date till 31st March 2012. Majority of the faculty members are very happy with the functioning of Investigation Revolving Fund (IRF).

Other Activities

There was a time when IRF was considered to be just support system. IRF has rigorous contribution to strengthen all laboratories and now extending financial assistance in lab accreditation also. Many management students & trainees who have been pursuing their degree or diploma in Hospital Administration from various universities & Institutes undertook the case studies on Investigation Revolving Fund under the guidance of Dr. Hem Chandra, HOD, Hospital Administration and Co-guidance of Store Purchase Officer (IRF).

Financial Assistance / Donation

IRF has received a claim of Rs. 4,64,90,457.50 on a/c of PED tests & investigations from the Finance Officer through Hospital Accounts of the Institute during the year and donated a sum of Rs. 4.50 crore to "Kamdhenu Ati Nirdhan Chikitsa Sahayta Society". IRF has donated Rs. 6.00 crore till date.

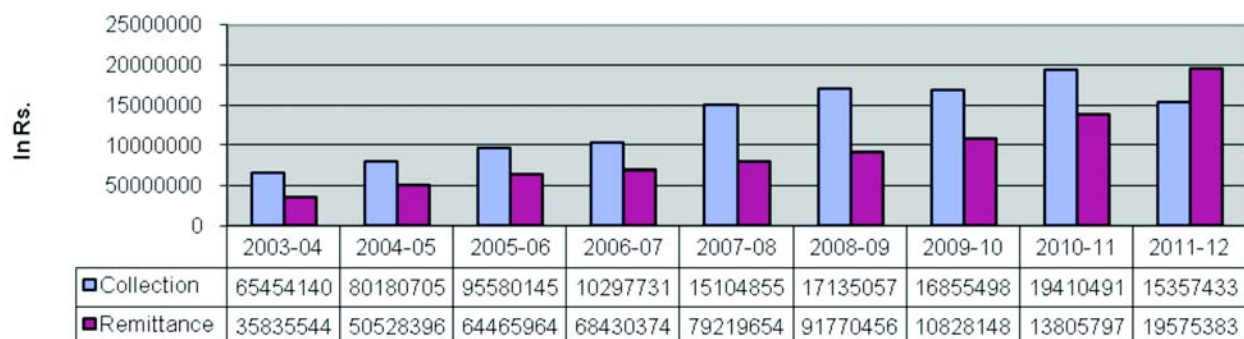
Table No. 2 : Collection & remittance of funds from Hospital A/c's to IRF Bank A/c

Sl.	Year	Collection as per HIS (In Rs.)	Remittance of fund from Hospital A/c to IRF Bank A/c (In Rs.)
1	2002-03	IRF came in existence on 1st March 2003	Rs. 3,15,270.00
2	2003-04	Rs. 6,54,54,140.00	Rs. 3,58,35,544.00
3	2004-05	Rs. 8,01,80,705.00	Rs. 5,05,28,396.00
4	2005-06	Rs. 9,55,80,145.00	Rs. 6,44,65,964.00
5	2006-07	Rs. 10,29,77,310.00	Rs. 6,84,30,374.00
6	2007-08	Rs. 15,10,48,554.00	Rs. 7,92,19,654.00
7	2008-09	Rs. 17,13,50,570.00	Rs. 9,17,70,456.00
8	2009-10	Rs. 16,85,54,985.00	Rs. 10,82,81,482.00
9	2010-11	Rs. 19,41,04,910.00	Rs. 13,80,57,977.00
10	2011-12	(Up to Dec 2011) Rs. 15,35,74,330.00	Rs. 19,57,53,830.50

IRF has been getting 50% share under the head of Investigation from Hospital A/c's

There is some disparity in collection & remittance figure due to non-validation of test on HIS

IRF has been getting 50% share under the head of Investigation from Hospital A/c's except PED A/c

Year-wise growth of Investigation Revolving Fund (IRF) since it's inception

IRF has been getting 50% share of Collection under the head of Investigation from Hospital A/c's

Table No. 3 : Fund Flow Statement of IRF for the year 2011-12 (Provisional)

Particulars	Amount (Rs.)	Amount (Rs.)
Inflow of Funds		
Advanced to Staff & Supplier (Opening Balance)		16,01,561.00
Opening Balance (SBI Bank) on 01.04.2011		4,33,92,992.00
Fixed Deposit (Opening)		7,62,18,687.00
Received from Institute for		
Lab Collection	19,57,53830.50	
Sale of Tender Form	-	
Miscellaneous Income	1,103.00	
Late Delivery Charges	1,17,921.00	
Trade Discount Earned	2,77,431.50	
Recovery	3,32,220.00	
Interest Received From Bank	42,67,348.00	20,07,49,854.00
Increase in Sundry Creditors		20,901.00
Increase in Sundry Deposits		25982.00
Decrease in Current Assets (TDS)		51,180.00
Total (A)		32,20,61,157.00
Outflow of Funds		
Payment made for Purchases		12,46,04,849.00
Payment for Equipment Purchased during the year		3,58,064.00
Expenses Incurred During the Year		4,60,61,332.00
Donation	4,50,00,000.00	
Bank Charges	6,061.00	
Computer & Data Entry Operator Fees	7,02,738.00	
Audit Fee	1,65,456.00	
Miscellaneous Office Expenses	64,231.00	
Postage Expenses	5,061.00	
Printing & Stationary	72,785.00	
Security Wages Expenses	45,000.00	
Decrease in Security Deposit		2,50,000.00
Advance to Suppliers		24,82,851.00
Fixed Deposit (Closing)		8,05,37,215.00
Total (B)		25,42,94,311.00
Bank Balance with SBI as per our books on 31.03.2012 (A) – (B)		6,77,66,846.00

Public Relations

Officers

Monalisa Chaudhari

Ashutosh Soti

K. Jamaluddin

NP Misra

Kusum Yadav

Senior Public Relations Officer

Public Relations Officer

Asst Public Relations Officer

Asst Public Relations Officer

Asst Public Relations Officer

Staff

Jr. Reception Officer 6

Receptionist 13

Departmental Activities

The need to enhance the image of the hospital, among the community have grown. This image is the culmination of the user impressions, attitudes of the hospital staff, and efficiency of hospital administration. This image is furthered by cheerful and courteous behavior of the hospital staff, prompt medical treatment and clean surroundings. Apart from these, planned, constructive and continuous image building programs have also to be implemented, so as to educate your 'consumers' not only to remain healthy but also to your latest development and facilities that they can avail on need. Precisely, these are the activities taken up by the department of Public Relations. A VIP cell has been activated to take special care of the Present MLA's and Ex MLA's and their families. Planned positive coverage of the facilities of the Institute was carried out, in the interest of patient care. The media & press coverage of the conferences and workshops were organized. Facilitated in organizing official programs such as Convocation, Foundation Day,

Kidney awareness rally flagged off by Chief minister of Uttar Pradesh. Public Lectures were organized. Health camps were organized within the Institute. Schedule of Charges was compiled.

Outstanding Features & Summary

Organized the Photographic panorama of SGPGI- A permanent photographic exhibition put up at the foyer of Shruti Auditorium. This was inaugurated during Convocation Day by Sri B.L. Joshi, H. E. The Governor of Uttar Pradesh.

Conference Presentation

Monalisa Chaudhari

- 1 day seminar on Women's accessibility to justice
- 1 day workshop on Consultation of Sexual harassment of Women at Workplace.
- 3 day residential workshop on RTI Act- Implementation & Strategies at Jaipur.

Future Plans

- To prepare a documentary on Milestones of SGPGI
- Prepare a coffee table book on the growth of SGPGI
- Maintaining and strengthening the Public Relations through patient friendly activities.

