

**AIIMS**

**52nd ANNUAL REPORT**

**2007–2008**



**All India Institute of Medical Sciences  
New Delhi 110029**



## All India Institute of Medical Sciences

The All India Institute of Medical Sciences (AIIMS) was established by an Act of Parliament in 1956 as an institution of national importance. Its main objectives were to develop patterns of teaching in undergraduate and postgraduate medical education in all its branches, so as to demonstrate a high standard of medical education to all medical colleges and other allied institutions in India; to bring together in one place educational facilities of the highest order for the training of personnel in all important branches of health activity; and to attain self-sufficiency in postgraduate medical education.

AIIMS has comprehensive facilities for teaching, research and patient care. Medical and paramedical courses are taught at AIIMS. The institution awards its own undergraduate, postgraduate and doctorate degrees.

Teaching and research are conducted in 50 disciplines. AIIMS plays a leading role in the field of medical research, having more than 1400 research publications by its faculty and researchers in a year. AIIMS also has a College of Nursing, which awards BSc (Hons) Nursing and BSc Nursing (Post-certificate) degrees.

Twenty-five clinical departments, including six superspecialty centres, manage practically all types of disease conditions with support from pre-clinical and para-clinical departments. AIIMS also runs a 60-bedded hospital at the Comprehensive Rural Health Centre at Ballabgarh in Haryana and provides health cover to about 7.7 lakh people through the Centre for Community Medicine.

# AIIMS AT A GLANCE

## 2007–2008

### Year of establishment 1956

Teaching Departments and Centres	50	Medical graduates	2229
Faculty members (sanctioned 620)	453	Postgraduates	6759
Non-faculty staff (sanctioned 8572)	6785	Nursing graduates	1589
Undergraduate students	640	Publications/abstracts in journals	1424
Postgraduate students	1021	Books/monographs/chapters in books	194

### Hospital Services

Facility	Outpatients	Admissions	Surgery	Beds	
				General	Private
Main Hospital	15,28,238	83,852	77,852	861	177
R.P. Centre for Ophthalmic Sciences	4,37,817	27,917	26,949	280	21
Dr B.R. Ambedkar Institute Rotary Cancer Hospital	80,244	21,535	3,927	167	15
Cardiothoracic Sciences Centre	1,33,799	11,147	3,393	166	14
Neurosciences Centre	93,245	6,950	3,000	166	14
National Drug Dependence Treatment Centre	36,513	1,134	–	50	–
Jai Prakash Narayan Apex Trauma Centre	6,683	3,362	3,321	30	–

Average bed occupancy	78.5%
Average period of hospital stay	5.4 days
Net death rate	2.7%
Infection rate (crude)	8.26%

## 10.7 Jai Prakash Narayan Apex Trauma Centre

### Chief

M.C. Misra

### Assistant Professors

Babita Gupta (Anaesthesia)	Chhavi Shawney (Anaesthesia)
Sanjeev Bhoi (Emergency Medicine)	Shefali K Sharma (Emergency Medicine)
Vinay Gulati (Emergency Medicine)	Adarsh Kumar (Forensic Medicine)
Sanjeev Lalwani (Forensic Medicine)	Purva Mathur (Laboratory Medicine)
S. Arul Selvi (Laboratory Medicine)	Deepak Agrawal (Neurosurgery)
Deepak K Gupta (Neurosurgery)	G. D. Satyarthee (Neurosurgery)
Sumit Sinha (Neurosurgery)	Buddhadev Chaudhary (Orthopaedics)
John R Bera (Orthopaedics)	Kamran Farooque (Orthopaedics)
Vijay Sharma (Orthopaedics)	Vivek Trikha (Orthopaedics)
Atin Kumar (Radiodiagnosis)	Shivanand G. (Radiodiagnosis)
Amit Gupta (Surgery)	Biplab Mishra (Surgery)
Maneesh Singhal (Surgery)	Subodh Kumar (Surgery)
Sushma (Surgery)	

## EDUCATION

### Short Term Training

1. Dr. Piyush Choudhry w.e.f. 27.08.07 to 26.2.08 (Six Months)
2. Dr. Rathindra Bhuyan, M.S. Guwahati Medical College 1.10.07 to 30.3.08 (Six months)

### Elective Training

1. Ms. Anina Zeumer of Germany w.e.f 04.02.08 to 03.05.08 (Four Months)
2. Ms Jana Christina Moeller of Germany w.e.f. 01.11.07 to 31.01.08 (Two Months)
3. Mr. Gerald Paul Jones of UK w.e.f. 05.09.07 to 29.09.07 (25 days)
4. Mr. Aju Pazhenkottil w.e.f. 23.07.07 to 27.07.07 (One Week)
5. Ms. Amarpreet Kaur of UAE w.e.f 16.08.07 to 22.08.07 (One Week)
6. Ms. Rhythm Bhalla of UAE w.e.f 23.08.07 to 29.08.07 (One Week)
7. Ms Zamira Kohkan of Germany w.e.f. 31.03.07 to 30.04.07 (One Month)

Academic activities of undergraduate and postgraduate students and paramedical staff is being conducted by faculty in JPNATC.

1. Basic Life Support Courses for Junior Residents, Senior Residents, Nurses, Paramedics, Policeman.
2. Advanced Cardiac Life Support Training for Junior Residents, Senior Residents, Nurses.
3. Initial Resuscitation of Trauma Victims
3. Initial Resuscitation of Trauma victims.

Simulation has been used as a teaching tool and three such sessions have been conducted so far.

## **Continuing Medical Education**

### **Prof. M.C. Misra**

Course Director for

- 1<sup>st</sup> Training Course in laparoscopic Suturing Skills from 25<sup>th</sup> February to 27<sup>th</sup> February 2008 at Minimally Invasive Surgery Training Centre, AIIMS, New Delhi.
- 2<sup>nd</sup> Training course in Operative Laparoscopic- Basic and Advanced from 8<sup>th</sup> -12<sup>th</sup> May 2007 at Minimally Invasive Surgery Training Centre, AIIMS, New Delhi.
- 3<sup>rd</sup> Training course in Operative Laparoscopic- Basic and Advanced from 23<sup>rd</sup> July -27<sup>th</sup> July 2007 at Minimally Invasive Surgery Training Centre, AIIMS, New Delhi.
- 4<sup>th</sup> Training course in Operative Laparoscopic- Basic and Advanced from 10<sup>th</sup> September-14<sup>th</sup> September 2007 at Minimally Invasive Surgery Training Centre, AIIMS, New Delhi.
- 5<sup>th</sup> Training course in Operative Laparoscopic- Basic and Advanced from 22<sup>nd</sup> October-26<sup>th</sup> October 2007 at Minimally Invasive Surgery Training Centre, AIIMS, New Delhi.
- 6<sup>th</sup> Training course in Operative Laparoscopic- Basic and Advanced from 26<sup>th</sup> November-30<sup>th</sup> November 2007 at Minimally Invasive Surgery Training Centre, AIIMS, New Delhi.
- 7<sup>th</sup> Training course in Operative Laparoscopic- Basic and Advanced from 7<sup>th</sup> January -11<sup>th</sup> January at Minimally Invasive Surgery Training Centre, AIIMS, New Delhi.
- 8<sup>th</sup> Training course in Operative Laparoscopic- Basic and Advanced from 31<sup>st</sup> March -4<sup>th</sup> April 2007 at Minimally Invasive Surgery Training Centre, AIIMS, New Delhi.
- Organizing Chairman, Inaugural Conference of Society of Endoscopic and laparoscopic Surgeons of India (SELSI) at All India Institute of Medical Sciences, New Delhi, 27-30 March 2008.
- Special Meeting of the Board of Studies of the Department of Surgery JN Medical College on 4.04.07 at AMU, Aligarh.
- As a Member of the Search Committee for Vice-Chancellor on 5 May 2007 at Hyderabad.
- Visited as part of Central Technical Team for appraisal of Rajendra Institute of Medical Sciences, Ranchi for upgradation under PMSSY on 7<sup>th</sup> and 8<sup>th</sup> May 2007.
- Invited to visit "R Adams Cowley Shock Trauma Center" University of Maryland Medicine, Baltimore, USA on 6<sup>th</sup> June 2007
- Invited to present Surgical Grand Rounds on 13<sup>th</sup> June 2007 at Mount Sinai Hospital, USA – Topic: Generalized peritonitis – Tropical spectrum
- As a Guest Faculty in National Conference on Medical Preparedness and Mass Casualties Management on 24<sup>th</sup> to 25<sup>th</sup> July 2007 at New Delhi, Organized by the National Disaster Management Authority.
- As a Faculty Member in Global Hernia Clinical Advisory Board meeting from 26<sup>th</sup> & 27<sup>th</sup> July 2007 at Lyon, France & Trevoux, France.
- As Guest Faculty in NATCON-IASO-2007 conference at Mohan Dai Owsal Cancer Treatment Research foundation Ludhiana from 21<sup>st</sup> to 23<sup>rd</sup> September 2007.
- Deliver an Oration at the Bazpur Conference, CME 2007 of IMA Bazpur Branch, Udham Singh Nagar, Uttarakhand on 7.10.07 held at Nainital.
- Invited to chair a scientific session in Surgery Update 2007 XXIV National Continuing Medical Education Programme in Surgery at Maulana Azad Medical College, New Delhi from 24<sup>th</sup> to 29<sup>th</sup> September 2007.

- Appointed to act as an advisor in the PT Board for interviewing candidate in the Combined Medical Services Examination on 8.10.07 at UPSC Office.
- Invited as a Panelist during the Parenteral and Enteral Nutrition Conference held at AIIMS from 12<sup>th</sup> to 14<sup>th</sup> October 2007.
- Invited as a Faculty Member in 16<sup>th</sup> Asian Congress of Surgery, the Biennial Congress of the Asian Surgical Association (ASA) from 19<sup>th</sup> to 22<sup>nd</sup> October 2007 at Beijing, China to deliver guest lecture on Laparoscopic repair of incisional and ventral hernia.
- Invited as Operating Faculty in 6<sup>th</sup> Live Endo Laparoscopic Workshop at Agra on 27<sup>th</sup> to 28<sup>th</sup> October 2007
- Invited to deliver a lecture on “Laparoscopy in General Surgery Emergencies” in 33<sup>rd</sup> Annual Conference of UP Chapter of Association of Surgeons of India from 2<sup>nd</sup> to 4<sup>th</sup> November 2007 at BHU Varanasi.
- Invited to act as a Faculty Member, Workshop on Best practices in Tertiary Healthcare on 5<sup>th</sup> November 2007 at the Ministry of Health & FW, Govt. of India, Nirman Bhawan, New Delhi.
- Invited Guest Faculty Act as a National Faculty during the 8<sup>th</sup> Postgraduate Endocrine Surgery Course and 8<sup>th</sup> Indian Association of Endocrine Surgeons’s conference at SGPGI, Lucknow from 22<sup>nd</sup> to 25<sup>th</sup> November 2007.
- Invited Faculty at the National Hernia Congress & Live Workshop at New Delhi from 14<sup>th</sup> to 16<sup>th</sup> December 2007.
- Invited to participate during Symposium on Severe Dudenal Trauma and Intra-abdominal infections during ASI conference in Bhubaneshwar on 27<sup>th</sup> & 28<sup>th</sup> December 2007.
- Invited as guest faculty during the 3<sup>rd</sup> Meeting of International Endohernia society (IEHS) at Stuttgart, Germany from 17<sup>th</sup> to 19<sup>th</sup> January 2008 and presented “Comparison of open and laparoscopic repair of incisional/ventral hernia – results of a prospective randomized study”.
- Invited as a National Faculty to participate during 8<sup>th</sup> National Congress of IAGES& workshop of Minimal Access Surgery at Jaipur from 14<sup>th</sup> to 17<sup>th</sup> February 2008.
- Invited as a National Faculty to participate at the Live operative Workshop on Laparoscopic Surgery on 9<sup>th</sup> March 2008 at J N Medical College, AMU Aligarh
- Invited as a Chairperson in 7<sup>th</sup> Annual International Conference of Rajiv Gandhi Cancer Institute and Research Centre from 7<sup>th</sup> March to 9<sup>th</sup> March 2008
- Participated at the Second Meeting of Global Hernia Clinical Advisory Board on 11<sup>th</sup> & 12<sup>th</sup> March 2008 at the Camelback Inn in Scottsdale, Arizona, USA.
- Invited as a National Faculty to participate at the Live operative Workshop on Laparoscopic Surgery on 15<sup>th</sup>& 16<sup>th</sup> March 2008 during Kanpur Endosurgery – 2008, Organized at Mariampur Hopsital under Kanpur Surgical Club and UP Chapter of ASI.

#### **Dr. Chhavi Sawhney**

- Conducted workshop on basic airway management in ER, on 11 September 2007.

#### **Dr. Sanjeev Bhoi**

- Conducted workshops on basic airway management in ER, 11 September/6 October 2007
- Round Table Meeting with Agency for Toxic Substances and Disease Registry (ATSDR), CDC, Atlanta, 25 February 2008.
- Baasic and Advanced Cardiac Life Support, CME, Indian Institute of Coal Management, 9 March 2008.

## **National and International Conferences**

- Organizing Secretary, Indo-US Academic Council for Emergency and Trauma, 1-2 September 2007, AIIMS.
- Academic Secretary, Indo-U.S Emergency Medicine Summit, Mumbai, 26-30 September 2007.
- Course Director: ECG Workshop, Mumbai, 29<sup>th</sup> September, 2007.
- Course Faculty: Lead-India Course, 25<sup>th</sup> September, 2007.
- Speaker: New Speaker Forum, Seattle, USA, 10<sup>th</sup> October, 2007.
- Course Faculty: Advanced Hazmat Life Support Course, 4<sup>th</sup> -6<sup>th</sup> December, 2007.
- Training: Israeli-Indian Course on Trauma System and Mass Casualty Management 8-21 December, 2007 Haifa, Israel.
- Training: Emergency Sonography Course, 18<sup>th</sup> to 20<sup>th</sup> January, 2008, AIIMS, New Delhi.
- Expert, Policy Issues for Road Traffic Prevention and control in India conducted by Indo-US Joint program workshop on 26<sup>th</sup> February, 2008, New Delhi
- Expert, Road Map for Trauma Management in India and in the USA conducted by Indo-US Joint Program, 27<sup>th</sup> to 28<sup>th</sup> February, 2008 Agra

## **Dr. Shefali K. Sharma**

### *Lectures delivered*

- Indian Rheumatology Association Annual Conference (IRACON) 2007 conducted at Khajuraho from 26-29<sup>th</sup> October 2007 on “Epidemiology of Osteoporosis”.
- Conducted workshop on “Osteoporosis and DEXA” during Indian Rheumatology Association Annual Conference (IRACON) 2007 at Khajuraho from 26-29<sup>th</sup> October 2007.
- Post Graduate Institute of Medical Education Research, Chandigarh on “Complicated malaria” on 15<sup>th</sup> April, 2007.

## **Dr. Vinay Gulati**

### *Lectures delivered*

- ‘Special Issues in Management of Chemical Casualties’ at ‘Symposium on Awareness, Preparedness and Mitigation of Exposure to Domestic & Industrial Chemicals, AIIMS, New Delhi, August 30<sup>th</sup> –31<sup>st</sup>, 2007.
- ‘ECG in Acute Coronary Syndrome’ at INDO-US Emergency Medicine Summit-2007, Mumbai, September 26- 30, 2007.
- ‘Pulmonary Thromboembolism’ and ‘Workshop on Obstructive Sleep Apnea’ at North India Medical Clinics, organized by Association of Physicians of India (Saharanpur Branch), September 29-30, 2007, Mussoorie.
- Monitoring progress in ICU & Role of ventilatory support in fulminant hepatic failure’, Annual Conference of UP Chapter of Indian Society of Gastroenterology, Kanpur, March 15, 2008.
- ‘Role of Bronchoscopy in clinical practice’ at LRS Institute of TB & Respiratory Diseases, New Delhi on February 26, 2008.
- Chaired a session on ‘Chronic Heart Failure’ at APICON 2008, the Annual conference of the Association of Physicians of India, January 12, 2008, Kochi

## **Dr. Adarsh Kumar and Dr. Sanjeev Lalwani**

Joint Organizing Secretary, Symposium on ‘Awareness, preparedness & mitigation in exposure to domestic & industrial chemicals, APMEDIC-2007, collaboration with Dept of Pharmacology, AIIMS.

**Dr. Adarsh Kumar**

Co-chairman, Scientific Committee of Forensic MEDICON-2008 at Mumbai.

**Lectures delivered**

Participated in training programmes of the Academy of CBI, CDTS, NICFS, Amity Institute, Delhi Judicial Academy, DMA & NIPCCD. Lectures and demonstrations were held for CBI officials, Police officers, Judicial officers, Medical officers and Forensic science experts from all over India.

**Dr. Purva Mathur**

Delivered a guest lecture on “Mycoplasma contamination of cell cultures” in the V<sup>th</sup> Annual conference of the Indian Association of Medical Mycoplasmologists”, held in Agra, 2007.

**Dr. S. Arulselvi**

- Attended one day workshop on “Management of High Volume Laboratories – Beckman User’s perspective” held in Hotel Le Meridien, Delhi on 29.10.07.
- Attended workshop on “Basic airway management” held in JPNATC, AIIMS on 6.10.07.
- Attended “Delhi Society of Haematology annual meet” on 11.8.07, held in India Habitat Centre, New Delhi.
- Attended Indo–US academy council for emergency medicine and trauma, CME, 1.9.07 and 2.9.07.
- Attended workshop on “Educational research scholarship” conducted by CMET in AIIMS on 14.11.07.
- Attended “National Conference on Medical Education” between 15.11.07 to 17.11.07 held in AIIMS, Delhi.
- Attended Workshop on “Operational/Application Training on Sysmex 2100 i analyser” held on 17.12.07 and 18.12.07 at JPNATC, AIIMS conducted by Sysmex India Pvt Ltd.
- Attended National Haematology Update V, 2008 AIIMS 23-24 February 2008.
- Attended Haemophilia conference held on 13.3.08 in AIIMS, New Delhi.

**Dr. Deepak Agrawal**

- Ginde Oration & Hand-on cadaveric workshop on endoscopic skull base surgery, Bombay Hospital, 31st March-2 April 2007, Mumbai, India.
- 1st National radiosurgery update & Gamma-Knife workshop, All India Institute of Medical Sciences, 14-15 April 2007, New Delhi.
- Annual conference of the skull base society of India, All India Institute of Medical Sciences, 14-17 October 2007, New Delhi.
- Annual CNS meeting, San Diego, USA, Sep 14-17, 2007.
- Ramban Trauma course, Haifa, Israel, Dec 8-23, 2007.
- 10th Annual AIIMS microneurosurgery workshop held at All India Institute of Medical Sciences, 14-15 February, 2008, New Delhi, India.
- Ginde Oration, Bombay Hospital, 31st March 2008, Mumbai, India.

**Dr. John R. Bera**

- Conducted workshops on basic airway management in ER, 11 September/6 October 2007
- Legal and ethical issues in medical sciences, 30 April 2008, AIIMS



### **National and International Conferences**

- Co-organizing Secretary Indo-US Academic Council for Emergency and Trauma, 1-2 September 2007 AIIMS.
- Course Faculty, For Sam's splints & POP technique at Indo-US Emergency medicine summit 2007 held at 26-30<sup>th</sup> September, 2007.

### **Dr. Kamran Farooque**

- Director, Workshop on Splints in ER for nurses and paramedics, 29 September 2007, Mumbai at INDUS EM 2007.
- Director, Workshop on Fracture stabilization for doctors, 30 September 2007, Mumbai, INDUS EM 2007.
- Member of organizing committee of "Sports Medcon 2007" annual conference of IFSM.

### ***Lectures delivered***

- "Spine Trauma ATLS protocols" at INDUS EM 2007 at Mumbai Sept 29<sup>th</sup> 2007.
- "Orthopaedic Splints in ER" on 30<sup>th</sup> September 2007 at Mumbai at INDUS EM 2007

### **Dr. Vijay Sharma**

- Director, Workshop on Splints in ER for nurses and paramedics, 29 September 2007, Mumbai at INDUS EM 2007.
- Director, Workshop on Fracture stabilization for doctors, 30 September 2007, Mumbai, INDUS EM 2007.

### ***Lectures delivered***

- "Musculoskeletal Trauma ATLS Protocols" at INDUS EM 2007, Mumbai, 29 September 2007.
- "Splintage of Orthopaedic Injuries in A&E" on 30<sup>th</sup> September 2007 at Mumbai Indus EM 2007.

### **Dr. Atin Kumar**

'Approach to pediatric chest X ray', in "Awesome Pulmonology", Paediatric Pulmonology Zonal-CME, SMS Medical College, Jaipur, 6-7 May 2007.

### **Dr. Shivanand Gamanagatti**

- Portal vein embolisation: Live video demonstration, XVII National Conference of IASG, AIIMS, New Delhi, 29 September-1 October, 2007.
- Transarterial chemoembolisation with DC beads, 6 conference on Evidence based Management of Cancers in India- Interventional Radiology in Oncology, Tata Memorial Hospital, Mumbai, 29February -2March, 2008.

### **Dr. Amit Gupta**

ABCD of Trauma Care. In Trauma Alert Assembly. INDO-US Emergency Medicine Summit 2007, Mumbai. 26<sup>th</sup> – 30<sup>th</sup> Sep 2007.

### **Dr. Biplab Mishra**

Diagnosis and Management of Acute abdomen. INDO-US Emergency Medicine Pre-Summit 2007, New Delhi. 2<sup>nd</sup> September, 2007.

### **Dr. Maneesh Singhal**

- Tip Plasty. Rhionofess workshop, AIIMS New Delhi, 30<sup>th</sup> Dec. 2007.

- Management of Burns in ED. INDO-US Emergency Medicine Summit 2007, Mumbai, 26– 30 Sept. 2007.
- External anatomy of nose. Rhionofess workshop, AIIMS New Delhi, 30<sup>th</sup> Dec. 2007.

#### **Dr. Subodh Kumar**

- Emergency Room Management of Thoracic Trauma. In Trauma Alert Assembly. INDO-US Emergency Medicine Summit 2007, Mumbai. 26<sup>th</sup> -30<sup>th</sup> Sep. 2007.
- Colo-rectal cancer-Role of minimally access surgery. In NATCON – IASO, Ludhiana Sept 2007.

#### **Dr. Sushma**

- Management of Burns in ED. INDO-US Emergency Medicine Pre-Summit 2007, New Delhi. 2<sup>nd</sup> Sep.2007.
- Trauma in special scenario: Pediatric/Geriatric/Pregnancy and maxillo-facial trauma. In Trauma Alert Assembly. INDO-US Emergency Medicine Summit 2007, Mumbai. 26<sup>th</sup> – 30<sup>th</sup> Sep.2007.

### **RESEARCH**

#### **Funded Projects**

- 1 Prospective study to evaluate the role of Helicobacter pylori in benign and malignant hepato-biliary disease Dr M.C. Misra. Institute Research Grant. April 2006 March 2008. Rs. 80,000.
- 2 A randomized controlled trial of laparoscopic inguinal hernia repair–transabdominal preperitoneal versus total extraperitoneal approach. Dr. M.C. Misra. From Institute Research Grant 2007-08. Rs. 1,62,500/-
- 3 Feasibility study on Injury & Road Traffic Injury surveillance. MC Misra, Amit Gupta. Funded by MoHSW- WHO-ICMR, 1,80,000/-
- 4 A Registry for Comparing Catheter-Related Infection Rates Among Various Shunt Systems in the Treatment of Hydrocephalus. Dr. Deepak Agrawal. Funded by Codman corporation, USA.
- 5 Role of Thalamus in diffuse axonal injury: An autopsy study with istopathological correlation. Dr. Deepak Agrawal. Project funded by AIIMS.
- 6 Ultrasonic debridement of post traumatic wounds. Maneesh Singhal, Sushma, Subodh kumar, Amit Gupta, Biplab Mishra. Funded by Soring Germany.

#### **Departmental Projects**

##### ***Completed***

1. Comparison of conventional and Gadolinium-BOPTA enhanced MR Cholangiography in the evaluation of biliary enteric anastomosis.
2. MR evaluation of recurrent shoulder dislocation
3. Role of MR arthrography in the assessment of glenohumeral instability

##### ***Ongoing***

- 1 Post-op analgesia in Arthroscopic surgery: Comparison of three different doses of Morphine: A prospective double blinded study.
- 2 Outcome of acute lung contusion in ICU: A prospective study.
- 3 Study of neurocognitive impairment and atherogenesis in Indian subjects with obstructive sleep apnea

- 4 Study the efficacy of DMARDs on Lipid Profile in Rheumatoid Arthritis patients with special reference to Lipoprotein (a) and Oxidized LDL
- 5 Treatment efficacy, clinical characteristics, laboratory features and outcome in ART Clinic at AIIMS, New Delhi.
- 6 Clinical profile of frail elderly patients in hospital setting
- 7 Prevalence of Metabolic Syndrome in Obstructive Sleep Apnea and the effect of treatment with continuous positive airway pressure (CPAP)
- 8 Molecular studies of differentially expressed hypoxia sensitive proteins in patients with Obstructive Sleep Apnea
- 9 Role of Vitamin D receptor genetic variants in susceptibility to development and severity of pulmonary tuberculosis
- 10 Role of mitochondria in an experimental atopic asthma in mice
- 11 Comparison of tuberculin skin test (TST) and interferon-gamma release assays (IGRAs) for the diagnosis of latent TB infection and TB disease
- 12 Study of efficacy and safety of concomitant use of Nevirapine and Rifampicin in patients co-infected with HIV and Tuberculosis
- 13 Study o-prevalence and types of baseline HIV drug resistance in the antiretroviral treatment-naive and previously treated HIV infected northern India population Genetic polymorphism and expression of Toll-Like Receptor (TLR) in HIV-TB co-infection
- 14 Comprehensive study of unnatural deaths in children & women.
- 15 Auditing of asphyxial deaths.
- 16 Comprehensive study of fatal poisonings in South Delhi.
- 17 A Phase II randomized double blind placebo controlled dose finding safety and tolerability trial of XY- 2405 as a treatment for traumatic brain injuries.
- 18 Correlation of coagulation abnormalities in severe traumatic brain injuries with patient outcome. A prospective analysis.
- 19 Differentiating recurrent gliomas from post radiotherapy changes: Utility of advanced MRI techniques and their correlation with 99m tc-glucoheptonic acid (GHA) brain SPECT.
- 20 Role of MDCT in staging of laryngeal carcinoma with limited MRI correlation.
- 21 Comparison of US, CT and MR Portography in children with EHPVO.
- 22 MRI and PET-CT evaluation of soft tissue sarcomas
- 23 Comparison of MDCT, Endoscopic Ultrasound, MRI & PET-CT in evaluation of pancreatic malignancy
- 24 A Study of Quality of Life of Live related Renal Donors
- 25 Protocol Biopsy in live related renal transplant recipients – Tacrolimus Versus cyclosporine
- 26 Feasibility of fast track discharge in breast cancer patients undergoing definitive surgery and impact on quality of life
- 27 Percutaneous management of malignant biliary obstruction.
- 28 Fast tract Thyroidectomy
- 29 Cosmetic outcome following breast oncoplasty
- 30 A randomized controlled trial of laparoscopic inguinal hernia repair- Trans-abdominal pre-peritoneal versus totally extra peritoneal approach.
- 31 Expression of beta hCG in benign and malignant breast diseases.
- 32 MRI in evaluation of chronic wrist pain.

## **Collaborative Projects**

### ***Completed***

1. Total extra peritoneal hernia repair comparison of space creation by direct telescope vs. balloon dissection- A randomized controlled study.
2. Standardized mesh repair for inguinal hernia – A pilot study
3. Prospective Study to evaluate the role of Helicobacter pylori in benign and malignant hepatobiliary disease.
4. Feasibility study on Injury & Road Traffic Injury surveillance. MC Misra, Amit Gupta funded by MoHSW- WHO-ICMR.
5. Identification of candida by conventional and rapid automated methods (with Medical Microbiology, Ch. Charan Singh University, Meerut)
6. To document the effect of the time of institution of DMARDs on the radiological outcome in patients with rheumatoid arthritis (with Medicine)

### ***Ongoing***

- 1 B hcg expression in patients with benign and malignant breast diseases
- 2 A prospective randomized control trial of sutured vs. tacker fixation of mesh in patients undergoing laparoscopic Incisional Hernia repair.
- 3 A prospective randomized comparison of TAPP vs. TEP repair in patients undergoing laparoscopic inguinal hernia repair.
- 4 Prospective Evaluation of laparoscopic Skills Acquisition in a Short Term Focussed Training Programme on a Phantom Model using Porcine Gall Bladder.
- 5 Transvaginal Cholecystectomy – a pilot feasibility study.
- 6 Role of FDG-PET and MRI in assessment of Osteosarcoma : Prechemotherapy and Post chemotherapy (with Medical Oncology and Orthopedics)
- 7 Regulation of Coagulation in orthopedic surgery to prevent DVT and pulmonary embolism (with Orthopedics)
- 8 Comparison of FDG-PET and Dynamic MRI in correlation of VEGF expression on tumour cells in patients with Osteosarcoma (with Medical Oncology)
- 9 Comparison of minimally invasive techniques and conservative treatment in vertebral collapse (with Orthopedics)
- 10 A comparative Evaluation of changes in ultrasonographic dimensions of masseter muscle with EMG activity prior and subsequent to twin block therapy (with Dental Surgery)
- 11 Clinico-radiological evaluation of total knee arthroplasty; short term retrospective-prospective study (with Orthopedics)
- 12 Assessment of endothelial dysfunction and oxidative stress in chronic kidney disease of varying severity and after renal transplantation (Department of Nephrology)
- 13 Randomized controlled trial of Radiofrequency ablation (RFA) versus percutaneous acetic acid injection (PAI) therapy for treatment of small hepatocellular carcinoma. (with Gastroenterology)
- 14 Randomized controlled trial of transarterial chemoembolization (TACE) versus TACE plus oral chemotherapy in the treatment of unresectable hepatocellular carcinoma (with Gastroenterology)
- 15 Randomized controlled trial Oral chemotherapy versus supportive therapy in the treatment of unresectable hepatocellular carcinoma. (with Gastroenterology)

- 16 Randomized controlled trial of N-Acetylcysteine in prevention of renal failure in hepatocellular carcinoma patients undergoing transarterial chemotherapy (TAC) and transarterial chemo-embolisation (TACE). (with Gastroenterology)
- 17 Metabolic characterization of soft tissue tumours and pathologic and radiological correlation with in vivo Magnetic Resonance Spectroscopy. (with Surgical oncology and NMR).

## **PUBLICATIONS**

### **Journals**

1. Agrawal D, Gowda, NK. piracetam in postconcussion syndrome: preliminary results of a randomised controlled study using SPECT. *IJNT* 2007;4:109-114.
2. Agrawal D, Mahapatra AK. Complex split-cord malformation associated with situs inversus totalis. *J Pediatr Neurosci* 2007;2:11-12
3. Agrawal D, Singhal A, Hendson G, Durity FA. Gyriiform differentiation in Medulloblastoma. *Ped neurosurgery* 2007;43:142-145.
4. Agrawal D, Steinbok P, Cochrane D. Significance of Beaten Copper Appearance on Skull Radiographs in Children with Isolated Sagittal Synostosis. *Childs Nerv Sys* 2007;23:1467-70.
5. Agrawal D, Steinbok. Reply to the letter by Dr. Muzumdar on the article "Simple technique of head fixation for image-guided neurosurgery in infants". *Childs Nerv Syst* 2007;23:613.
6. Ahmad FU, Agrawal D, Mahapatra AK. Triple meningocele: Cause for a new theory? *J Pediatr Neurosci* 2007;2:39-40.
7. Baldeep Singh, Kamran Farooque et. al Unusual mechanism of injury with segmental fracture of clavicle: *The Internet Journal of anaesthesiology*: 2007:Vol. 6: No. 1:ISSN:1092-406X.
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## Abstracts

1. Paul SB, Gamanagatti SR., Madan K ,Sreenivasa Baba C, Madhusudhan KS, Gulati MS and Acharya SK. Recognising Extrahepatic Collateral Supply to Large Unresectable Hepatocellular Carcinomas for Effective Management by Transarterial Chemoembolisation. *Hepatology International* 2008 Mar; 2: A 257
2. S. Subramanian, S. Gamanagatti, D.N. Srivastava, Z. Abbas, P. Garg . Vascular and nonvascular interventions in pancreatitis. *Eur Radiol* 2008 Feb; 18 Supplement 1.
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4. Sushma, Amit Goswami, Subodh Kumar, Maneesh Singhal, M C Misra, Shadan Ali. Multi disciplinary approach to a hemipelvectomy wound- a case report. *Surgicon* November 2007.
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13. VK Bansal, MC Misra, HK Bhattacharjee, Subodh K, V Jindal, Rehan Khan. Transanal endoscopic microsurgery : a case report. National conference of IAGES, february 2008.
14. MC Misra, VK Bansal, Kumar S, HK Bhattacharjee, Prashant B, V Jindal, Gaurov C, A Krishna Laparoscopic repair of parastomal hernia.. National conference of IAGES, February 2008.
15. Biplab Mishra, RN Khan, Rashid. Scrotal entero-cutaneous fistula secondary to obstructed inguinal hernia. Annual conference of American College of Surgeons Oct 2007.

## Chapters in books

1. Agrawal D, Mahapatra, AK. Postoperative Cerebral Venous Infarction. In *Brain Haemorrhage*. Mahapatra AK (ed.) Jaypee Medical publishers Pvt Ltd, Delhi 2007; 162- 165.
2. Agrawal D, Mahapatra, AK. Intracranial hemorrhage secondary to vasculitis. In *Brain Haemorrhage*. Mahapatra AK (ed.) Jaypee Medical publishers Pvt Ltd, Delhi 2007.

3. Agrawal D, Mahapatra,AK. Spontaneous intracranial extradural hematomas. In Brain Haemorrhage. Mahapatra AK (ed.) Jaypee Medical publishers Pvt Ltd, Delhi 2007.

### **AWARDS, HONOURS AND SIGNIFICANT EVENTS**

**Dr. Babita Gupta** successfully completed “Emergency Sonography School” held in January 2008.

**Dr. Sanjeev K Bhoi** is Assistant Editor: Journal of Emergencies, Trauma and Shock

**Dr. Shefali K. Sharma** received the ARA-APLAR (Australian Rheumatology Association -Asia Pacific League of Rheumatologist) Scholarship 2007 to attend and present at Australian Rheumatology Association Annual Scientific Meeting held at Sydney , Australia from 26-30<sup>th</sup> May, 2007.

**Dr. Adarsh Kumar** elected Joint Secretary, Indian Academy of Forensic Medicine for Governing Council 2008-10,for a consecutive second term.

**Dr. Deepak Agrawal** received ‘best paper’ award for co-authoring paper titled ‘Novel biochemical markers for diagnosing postoperative meningitis’ at the annual conference of Indian society of pediatric neurosurgery, held at Chandigarh, India from Nov 3-5, 2007; received 2nd best research paper award for the paper titled ‘Image guided in pituitary adenomas-luxury or necessity?’ at the annual conference of the skull base society of India, held at New Delhi from Oct 14-17, 2007.

**Dr. Deepak Gupta** invited speaker 16<sup>th</sup> Annual Neuro Trauma Conference, Gwalior, India 17-19 August 2007, lecture on Role of MRI as Outcome prognosticator in diffuse axonal injury; Received (i) Karl Storz fellowship for attending 8<sup>th</sup> ESBS Congress, Prague, Czechoslovakia (2-5 May 2008), (ii) Pediatric neurosurgery fellowship 14-22 Sept 2008 at Policlinico Gamelli, Rome, Italy; (iii) Best poster award for poster entitled Surgical management of petroclival tumors: defining resection/ surgical outcome in 9<sup>th</sup> annual conference skull base surgical society of India, and International CME conference, New Delhi, India, 26-28<sup>th</sup> October 2007.

**Dr. Sumit Sinha** received International Society of Pediatric Neurosurgery Scholarship Award for the paper entitled ‘Intracranial aneurysms in children- are they different from adults. An experience in 66 cases; presented at the 35<sup>th</sup> Annual meeting of International Society of Pediatric Neurosurgery, Liverpool, UK, Sep 2007; Karl Storz Fellowship Award for the paper entitled ‘Microsurgical Management of Giant pituitary adenomas: A series of 177 cases’, presented at the 8<sup>th</sup> European Skull Base Surgery Congress; held at Prague, Czech Republic, May 2007; Best Poster award: Bilateral anterior cerebral artery aneurysms due to mucormycosis. Best Poster award at the 9<sup>th</sup> Annual Conference of Skull Base Surgery Society of India. New Delhi, India. October 2007

**Dr. John R. Bera** awarded a scholarship by MASHAV, Ministry of External Affairs Israel to attend first Indo-Israel International Course on “Trauma and Mass Casualty Management” at Haifa, Israel, December, 2007; awarded Life membership of Indian Society for Trauma and Acute care; awarded life membership of Association for Trauma care of India.

**Dr. Kamran Farooque** elected joint secretary of IFSM; awarded membership (MRCS) of The Royal College of Physicians and Surgeons of Glasgow, UK.

**Dr. Vijay Sharma** elected Executive Member Indian Federation of Sports Medicine (IFSM) for 2008.

**Dr. Vivek Trikha** was Trauma and Reconstructive Fellowship Feb 26<sup>th</sup> -March 27<sup>th</sup> 2008, Katharinen; Trauma and Mass Casualty Management Course” Dec.8<sup>th</sup>-20,2007, Rambam University, Haifa, Israel; Delhi Orthopaedic Association Travelling Fellowship” year 2007-08.

**Dr. Shivanand Gamanagatti** awarded ‘Editor’s recognition Award for reviewing’ (European Journal of Radiology).

**Dr. Amit Gupta** elected active member to the International Society of Surgery (ISS), Society International de Chirurgie (SIC); elected active member to the International Association of Trauma Surgery and Surgical Intensive Care (IATSIC); elected Founder Secretary to the Indian Society for Trauma and Acute Care (ISTAC); Workshop Director, Trauma Alert Assembly, Indo-US Emergency Medicine Summit 2007; Joint Secretary, Second AIIMS Surgical week and Endosurg-2008, International CME cum Live Workshop, 26–30 March 2008; awarded Life membership of Association for Trauma Care in India; awarded a scholarship by MASHAV, Ministry of External Affairs Israel to attend First Indo-Israel international course on “Trauma System and Mass Casualty Management” at Haifa, Israel December 2007; awarded a Travel scholarship by Department of Bio-technology, Govt. of India to attend above course.

**Dr. Biplob Mishra** appointed as an external examiner for MBBS final exam by Ahmedabad University; awarded Life membership of Association for Trauma Care in India.

**Dr. Maneesh Singhal** appraiser for Diplomat of National Board, National Board of Examinations; involved in formation of training module for general practitioners made by National board of examinations; awarded Life membership of Association for Trauma Care in India; instructor: BLS/ ACLS course awarded by American Heart Association.

**Dr. Subodh Kumar** Founder Member and Treasurer, Indian Society for Trauma and Acute Care; Joint Secretary, Indian Hernia Society; Founder Member and Treasurer, Society of Endoscopic and Laparoscopic Surgeons of India; Joint Secretary, Second AIIMS Surgical week and Endosurg-2008, International CME cum Live Workshop, 26–30 March 2008; awarded Life membership of Association for Trauma Care in India; Instructor, BLS/ ACLS Course awarded by American Heart Association; awarded scholarship by MASHAV, Ministry of External Affairs Israel to attend First Indo-Israel international course on “Trauma System and Mass Casualty Management” at Haifa, Israel Dec.2007; awarded Travel scholarship by Department of Biotechnology, Govt. of India to attend above course.

**Dr. Sushma** Founder Member, Indian Society for Trauma and Acute Care; Joint Secretary, Second AIIMS Surgical week and Endosurg-2008, International CME cum Live Workshop, 26-30 March 2008; Awarded Life membership of Association for Trauma Care in India, Indian society for Reconstructive Microsurgery, International Society for Burn Injuries and National Academy of Burns India; Instructor, BLS/ACLS course awarded by American Heart Association; awarded scholarship by MASHAV, Ministry of External Affairs Israel to attend First Indo-Israel international course on Trauma System and Mass Casualty Management at Haifa, Israel Dec.2007; awarded a Travel scholarship by Department of Biotechnology, Govt. of India to attend above course.

## PATIENT CARE

Total No. of Patients	Number
Attended J.P.N.A. Trauma Center	6683
Admitted in J.P.N.A. Trauma Center(New cases)	3362
Operated in J.P.N.A. Trauma Center(Old cases)	3321

Emergency Attendance	Admissions			Operation			
	Neurosurgery	Orthopedics	Surgery	Total	Orthopedics	Surgery	Neuro Surgery
866	1546	577	2989	1301	557	389	2247

**Total No. of casualty Registration: 15161; MLC: 6163, Non-MLC: 8998**

### Imaging Center

Routine X rays	27278
Portable X rays	3435
Ultrasound including Doppler	1047
CT	8672
MRI	1044

### New Equipment

- 1 radiography system with computed radiography unit
- 1 ultrasound Doppler unit

### Blood Bank

Total Samples received	:	2607 Units
Total Blood cross matched	:	5551 Units
Total Blood issued	:	2423 Units
Total FFP issued	:	1611 Units
Total Platelet Issued	:	622 Units
Total Cryo Issued	:	55 Units
SDP	:	2 Units

### Laboratory Medicine

#### Hematology

Hemoglobin	:	8805
Total Leucocyte count	:	8805
Differential count	:	8805
HCT	:	8805
RBC	:	8805
MCH	:	8805
MCHC	:	8805

MCV	:	8805
RDW	:	8805
Platelet count	:	8805
Retic count	:	306
<b>Total</b>	<b>=</b>	<b>88,356</b>

### ***Coagulation***

PT	:	3316
APTT	:	3316
TT	:	2859
Fibrinogen	:	2000
D-dimer	:	2859
<b>Total</b>	<b>=</b>	<b>14,350</b>

### **Biochemistry**

<b>Total</b>	<b>=</b>	<b>74,931</b>
Sugar	:	2339
Urea	:	8490
Creat	:	4109
Calc	:	3561
Phos	:	3010
Uric Acid	:	725
Sodium	:	8748
Potassium	:	8755
TBIL	:	5132
DBIL	:	2862
TP	:	3605
ALB	:	8550
AST	:	3752
ALT	:	3554
ALP	:	3442
CHOL	:	1308
AMY	:	836
M-TP	:	246
CKMB	:	7
CRP	:	20

### **Lipid Profile**

HDL	:	520
LDL	:	520
TG	:	520
VLDL	:	320

### **Routine and Microscopic Examination of Urine**

<b>Total</b>	<b>=</b>	<b>11,485</b>
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## Microbiology

<b>A. Total bacterial cultures:</b>	<b>3396</b>
<b>B. Antibiotic sensitivity: total:</b>	<b>2354</b>
By VITEK	: 1177
By Disc diffusion	: 1177
<b>C. Viral Markers: Total:</b>	<b>554</b>
HIV serology:	208
Hepatitis B serology	: 187
Hepatitis C serology	: 159
<b>D. Hospital Infection surveillance cultures =1006</b>	
<b>Grand Total</b>	<b>= 1,96,432.00</b>

## Physiotherapy

Number of Physiotherapy sessions for indoor patients: 2989

Number of physiotherapy sessions for outdoor patients: 4296

## VISITING SCIENTISTS

1. Dr. Maureen (Shock Trauma Centre, Baltimore, Maryland)
2. Dr. Sunil Ahuja (Shock Trauma Centre, Baltimore, Maryland)
3. Dr. Mosche Michaelson (Ramban Trauma Centre Haifa, Israel)
4. Ms. Gila Hymes (Ramban Trauma Centre Haifa, Israel)
5. Dr. C.Kaufmann,International Chair ATLS
6. A team of Doctors from U.K. (FRCS Examiners)
7. A team of Doctors from Nepal Medical Council
8. A team of doctors for various Medical Colleges of India for specification Committee meeting under PMSSY Scheme.