

53rd
AIIMS
ANNUAL REPORT

2008–2009



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 in 1956 as an institution of national importance by an Act of Parliament with the objects 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.

The Institute has comprehensive facilities for teaching, research and patient-care. AIIMS conducts teaching programmes in medical and para-medical courses both at undergraduate and postgraduate levels and awards its own degrees. Teaching and research are conducted in 50 disciplines. In the field of medical research AIIMS is the leader, having more than 1500 research publications by its faculty and researchers in a year. AIIMS also runs a College of Nursing, training students for B. Sc. (Hons.) Nursing and B. Sc. Nursing (Post-Certificate) degrees.

Twenty-five clinical departments including six super-speciality centres manage practically all types of disease conditions with support from pre-clinical and para-clinical departments. AIIMS also runs a 60-bedded hospital and 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

2008–2009

Year of establishment 1956

Teaching Departments and Centres	50	Medical graduates	2276
Faculty members (Sanctioned 625)	446	Postgraduates	7111
Non-faculty staff (Sanctioned 9312)	7356	Nursing graduates	1638
No. of Undergraduate students	651	Publications in journals	1592
No. of Postgraduate students	1023	Chapters in Books/monographs	285

HOSPITAL SERVICES

	OPD	Admission	Surgery	Bed (Gen.)	Bed (Pvt.)
Main Hosp.	1507786	174353	79578	1486	125
Dr.R.P. Centre	400914	29642	29276	280	21
Dr.BRA,IRCH	74280	23822	6651	167	15
C.T. Centre	227737	10614	3477	166	14
N.S. Centre	100074	6396	2741	166	14
C.C.M.	166886	29033	—	50	—
JPNAT Centre	37177	19226	1128	30	—

Average bed occupancy	79.9%
Average period of hospital stay	5.9 days
Net death rate	2.7%
Infection rate (Crude)	7.60%

10.7 Jai Prakash Narayan Apex Trauma Centre

Chief

M.C. Misra

Faculty In-charge Hospital Administration

John R. Bera(Ortho)

Associate Professor Kamran Farooque (Ortho)

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 (Ortho)	Vijay Sharma (Ortho)
Vivek Trikha (Ortho)	Atin Kumar (Radiodiagnosis)	Shivanand G. (Radiodiagnosis)
Amit Gupta (Surgery)	Subodh Kumar (Surgery)	Maneesh Singhal (Surgery)
Sushma (Surgery)		Biplab Mishra (Surgery)

EDUCATION

Short-term training

- Dr Okidi, Okechukwu O 01.05.08 – 01.11.08 (Six months)

Elective training

- Ms Anina Zeumer of Germany 04.02.08 – 03.05.08 (Three Months)
- Mr Bhagteshwar Singh of U.K. 01.11.07 – 31.01.08 (27 days)
- Ms Manvi Solanki of Mumbai 08.04.08 – 03.05.08 (26 days)
- Ms Ho Weng Yan of Singapore 05.05.08 – 28.05.08 (23 days)
- Ms Jenica Yong Su-Ern of Singapore 05.05.08 – 28.05.08 (23 days)

- Ms Amanda Loh Wenying of Singapore 05.05.08 – 28.05.08 (23 days)
- Mr Donovan Eu Kum Chuen of Singapore 05.05.08 – 28.05.08 (23 days)
- Ms Michelle Lim Hui Ping of Singapore 05.05.08 – 28.05.08 (23 days)
- Ms Ker Liang of Singapore 05.05.08 – 28.05.08 (23 days)
- Ms Lim Jia Yang of Singapore 05.05.08 – 28.05.08 (23 days)
- Mr Kosalarajah Paheentharajah of Germany 29.09.08 – 23.11.08 (1m 25 days)
- Ms Konika Chatterjee of Australia 16.11.08 – 29.11.08 (14 days)
- Ms Marie-Laura Veronika Berger of Germany 08.12.08 – 02.03.09 (3 months)

Continuing Medical Education (CME)

Professor M.C. Misra

Course Director for

- 15th ‘Training Course in operative laparoscopy—basic and advanced’; 23–27 March 2009.
- 3rd ‘Training Course in laparoscopic hernia surgery’; 10–12 February 2009.
- 2nd Training course in laparoscopic colorectal surgery; 19–21 January 2009.
- 14th ‘Training Course in operative laparoscopy—basic and advanced’; 5–9 January 2009.
- 13th ‘Training Course in operative laparoscopy- basic and advanced’; 8–13 December 2008.
- 2nd ‘Training Course in laparoscopic hernia surgery’, 25–27 November 2008.
- 12th ‘Training Course in operative laparoscopy—basic and advanced’; 10–14 November 2008
- 11th ‘Training course in operative laparoscopy—basic and advanced’; 13–17 October 2008.
- 3rd Training Course in laparoscopic suturing skills; 20–21 September 2008.
- 10th ‘Training Course in operative laparoscopy—basic and advanced’, 1–5 September 2008
- 1st ‘Training Course in laparoscopic hernia surgery’; 6–8 August 2008.
- 2nd Training Course in laparoscopic suturing skills; 21–23 July 2008.
- 9th ‘Training Course in operative laparoscopy—basic and advanced’; 7–11 July 2008.
- 1st Training course in laparoscopic colorectal surgery; 5–7 May 2008.
- 8th ‘Training Course in operative laparoscopy- basic and advanced’; 31 March–4 April 2008.

Conference Organization

- Organizing Chairman- Trauma 2008, International conference, CME cum Live Workshop and Inaugural conference of the Indian Society Trauma and Acute Care (ISTAC); 28–30 November 2008.

- Organizing Chairman, of Third AIIMS Surgical Week International Minimal Access Surgery Conference, CME cum Live Workshop, Endosurg 2009, All India Institute of Medical Sciences; 13–15 March 2009.

Lectures delivered:

- ‘Laparoscopic Adrenalectomy’, Joint CME and Live Workshop, Oman Medical College, Sohar, Oman; 9–10 April 2008.
- Surgical Meet, BP Koirala Institute of Health Sciences; 25–26 April 2008.
- Inspection of Renal transplant facilities at Base Hospital, New Delhi; 3rd May 2008.
- ‘Laparoscopic Inguinal Hernia Repair with TEP Technique’, participate in the establishment of Micro Invasive a Hernia Repair Therapy and Training Centre, Beijing, China, 20–25 May 2008.
- 2nd National Conference of Indian Hernia Society,, Srinagar; 6–8 June 2008.
- Visited the State Civil Hospital, Naharlagun; 11–12 July 2008.
- Member Constitution of National Task Force on Ksharsutra, Department of Ayurveda, Yoga and Naturopathy, Unani, Siddha and Homeopath (AYUSH), Ministry of Health and Family Welfare; 24–25 August 2008.
- Member, team of Senior Doctors from AIIMS to Ladakh; 1–8 September 2008.
- Faculty, IMRCS Part 3 Examinations, Delhi; 8–12 September 2008.
- Member Technical Experts Committee Review meeting for HDR Brachytherapy and Modular OT’s; 22 September 2008.
- Chaired the prestigious MAMC Golden Jubilee Oration in Surgery Update 2008, Maulana Azad Medical College, New Delhi; 24 September 2008.
- Assisted the Interview board for selection of the GDMOs, FAZAL Chamber, SCOPE Convention Centre, Lodhi Road; 27 September 2008.
- 3rd Annual Surgery CME Series International Upper GI and Hepatobiliary Conference; 8 October 2008.
- 1st North Zone Selsicon 2008, Agra; 18–19 October 2009.
- Successfully completed ATLS Course, UAE; 29– October – 6 November 2008.
- XXXIV Annual Conference of UPASICON 2008, Bareilly; 7–9 November 2008.
- Indo-US Workshop on Low Cost Diagnostic and Therapeutic Technologies, Hydrabad; 18–20 November 2008.
- Chaired a Pubic Lecture on ‘Liver Donation’, Maulana Azad Medical College, New Delhi; 4 December 2008.

- Visited the Imphal committee constituted by Ministry Of Health to look into the additional requirements of RIMS; 22–23 December 2008.
- ‘Developments in Laparoscopic Hepatobiliary Surgery in last 10 years’, Luchiana; 28 December 2008.
- Conducted Symposium on ‘Ethical issues with doctor patient relationship’, Nainital; 11 January 2009.
- Conducted Live Workshop and CME on Laparoscopic Surgery, Chitrakoot; 17–18 January 2009.
- Upgradation in the second phase of PMSSY; 21–22 January 2009.
- Meeting of the Members of the Board—finalization of curriculum in the Specialty of General Surgery.
- Delivered a guest lecture at Baba Raghav Das Medical College, Gorakhpur; 7–8 February 2009.
- Attended Forth Annual Meeting of International Endohernia Society (IEHS) and Live Workshop held in New Delhi; 19–21 February 2009.
- Member, Global Clinical Advisory Board Meeting in North Haven, Ct, USA; 16–17 February 2009.
- Conducted Live Laparoscopic workshop of Gynaecology and Surgery, Singrauli; 27–28 February 2009.
- Guest Faculty for the Indo Australian Workshop on Biomedical Devices being organized; New Delhi; 5 March 2009.
- Laparoscopic workshop cum CME, Shillong; 20–21 March 2009.
- Faculty IMRCS Part 3 Examination, Dubai; 27 March to 3 April 2009.

List of Papers Presented

The following papers were presented at the below mentioned conferences by different residents and senior residents of surgery Unit IV.

- Friction Burn—A clinical Study, 14th Congress of International Society for Burn Injuries, Montreal, Canada; September 2008.
- Laparoscopic Incisional hernia repair using composite mesh, Second National Conference, Indian Hernia Society, Srinagar; June 2008.
- Laparoscopic Incisional hernia using Polypropylene mesh, Second National Conference of Indian Hernia Society, Srinagar; June 2008.
- TAPP vs TEP—Preliminary Results, Second National Conference of Indian Hernia Society, Srinagar; June 2008.
- Balloon dissection vs Telescopic dissection in TEP, Second National Conference of Indian Hernia Society, Srinagar; June 2008.

- TEP Repair in groin Hernia—prospective evaluation in testing care centre, Second National Conference of Indian Hernia Society, Srinagar; June 2008.
- Laparoscopic repair of Parastomal Hernia, Second National Conference of Indian Hernia Society, Srinagar; June 2008.
- Use of Pre-shaped mesh groin Hernia repair, Second National Conference of Indian Hernia Society, Srinagar; June 2008.
- TEP vs TAPP repair for inguinal hernia—a prospective randomized trial presented at International Consensus Congress of International Endohernia Society; New Delhi; 19–21 February 2009.
- Suture v stacker fixation in patients with primary ventral hernia and incisional hernia—a prospective randomized trial presented, International Consensus Congress of International Endohernia Society, New Delhi; 19–21 February 2009.

Dr Babita Gupta

- Course Director, ABCDE workshop concentrating on management of trauma victims, ‘Trauma 2008’ New Delhi; November 2008.

International Presentations

- Cerebral fat embolism: Diagnosis-based on magnetic resonance imaging’, Presented in ‘Asia Pacific Critical Care 2008 Congress’, Sydney, Australia (Presented by Senior Resident Dr Subir Das).
- Use of Aerosolized Polymyxin B for the treatment of pneumonia in critically ill patients: A case series of 4 patients. Presented in ‘ASIA Pacific Critical Care 2008 Congress’, Sydney, Australia (Presented by Senior Resident Dr Subir Das).
- Massive Hydrothorax following PCNL, ‘Asia Pacific Critical Care 2008 Congress’, Sydney, Australia (Presented by Senior Resident Dr Subir Das)

National Presentation

- Massive Hydrothorax following PCNL in ‘ISA’ Delhi Chapter; April 2007.
- An uncommon route of induction of Anaesthesia ‘Intraosseous Route’, A case report presented in Trauma 2008, New Delhi.
- Airway management in the Emergency department: Change in Scenario with protocol-based training programme, Trauma 2008, New Delhi.
- A case report of Anterior Screw extrusion diagnosed during Ryles tube insertion presented in Trauma 2008, New Delhi.
- Use of Aerosolized Polymyxin B for the treatment of pneumonia in critically ill patients: A case series of 4 patients, Trauma 2008, New Delhi.
- Cerebral Fat Embolism: Diagnosis based on magnetic Resonance Imaging’, Presented in Trauma 2008, New Delhi.

Lectures delivered

- ‘Critical care management: What are the controversies?’, Trauma Conference , Dubai; October 2008.
- ‘Coagulopathy in Trauma’ Trauma Conference, Dubai; October 2008.

Lectures in National Conferences

- Management of Head Injury, Indo-US Emergency Medicine Summit, Mumbai; September 2007.
- Management of Head Injury, Indo-US Emergency Medicine Summit, Mangalore; October 2008.
- Trauma in Pregnancy, Obstetric Anaesthesia , B.R. Ambedkar hospital, New Delhi.
- Assessment of Airway in ISACON, Indian Society of Anaesthesiologist , New Delhi.

Dr Chhavi Sawhney

Workshops

- Basics of ECG, INDO-US emergency medicine, Mangalore; 11 October 2008.
- BLS workshop as ‘Bystander care for road accident victims’; 19 October 2008 and 8 November 2008.
- APICON 2009, Noida (30.1.09 – 1.2.09) - Workshop on ‘Fluids and acid-base management’ and Workshop on ‘Mechanical ventilation’.
- BLS workshops for cops, PCR van drivers; 6 March and 28 March 2009.

Presentations

- ‘Recent advances in anaesthesia’, AIIMS (Poster presentation); 30 January – 1 February 2009.

Chapters

- Book on ‘Basic emergency care’.

Lectures

- Infection Control Week (JPNATC) Standard protocols for OR in Infection control week; 20 October 2008.

Dr Sanjeev Bhoi

Workshop

- Course Director, Basic Emergency Care Workshop, Seven such workshops have been conducted; 2008–2009.
- Course Director, ECG workshop, INDUS-EM 2008, Mangalore, India; 11 October 2008,.
- Basic Life Support Courses for Junior Residents, Senior Residents, Nurses, Paramedics, Policeman.
- Advanced Cardiac Life Support Training for Junior Residents, Senior Residents, Nurses.

Lecture delivered

- Speaker: Development of Emergency Trauma Care Systems – AIIMS Experience at National consultation on human capacity building In emergency, trauma and disaster management: A programme for developing and strengthening Medical services and response, Pune; 13 March 2009.
- Speaker: Acid-base and electrolyte workshop, Greater Noida, India; 30 January 2009.
- Speaker: Issues and hurdles in Academic Emergency Medicine Development, INDUS-EM 2008, Mangalore, India; 10 October 2008.
- Speaker: Trauma Care Systems in India, MUHS-CDC workshop, Pune, India; 13 October 2008.
- Speaker: Bombing patterns, CDC workshop, Baroda; 14th October 2008.

National and International Conferences

Paper Presentation

- To assess the door to needle time in patients who died of acute coronary syndrome in a tertiary care Emergency Department, Chicago, USA; 26–30 October 2008.
- Profile of patients presenting to the Emergency Department with poisoning, Chicago, USA; 26–30 October 2008.
- Does simulation as a teaching tool improves skill and coordination among the trauma team of an Emergency Department?, INDUS-EM 2008, Mangalore, India; 10 October 2008.

Dr Shefali K. Sharma

- Basic Life Support Courses for Junior Residents, Senior Residents, Nurses, Paramedics, Policeman.
- Advanced Cardiac Life Support Training for Junior Residents, Senior Residents, Nurses.
- Initial Resuscitation of Trauma Victims.
- Simulation as a teaching tool has been started and seven such sessions has been conducted so far. Clinical Evaluation of Patients: Workshop conducted during Rheumatology Update 2009, AIIMS, New Delhi; 22nd February, 2009.
- Co-Organizing Secretary, Rheumatology Update 2009, AIIMS, New Delhi; 22nd February 2009.

Dr Vinay Gulati

- Basic Life Support Courses for Junior Residents, Senior Residents, Nurses, Paramedics, Policeman.
- Advanced Cardiac Life Support Training for Junior Residents, Senior Residents, Nurses.
- Initial Resuscitation of Trauma Victims.
- DOTS PLUS Training Programme, Central TB Division, Government of India, Hyderabad; March 2009.
- Simulation as a teaching tool has been started and seven such sessions has been conducted so far.

Workshop

- Course Faculty, Mechanical Ventilation Workshop, APICON 2009, Greater Noida.
- Course Faculty, Sleep Workshop, APICON 2009, Greater Noida.
- Organizing Secretary, Medicine Update 2008, AIIMS, New Delhi.

Lectures Delivered

- ‘Immunization in Adults’, Annual conference of the Association of Physicians of India (APICON 2009), Greater Noida; 30 January 2009.
- ‘Liberation from mechanical ventilation’, Mechanical Ventilation workshop, APICON 2009 Greater Noida; 31 January 2009.
- ‘Safe Hospital Practices’, Infection Control Week, JPNA Trauma Centre; 20 October 2008.
- ‘Infection prevention in ICUs and judicious use of antimicrobials’, Infection Control Week, JPNA Trauma Centre; 22 October 2008.
- ‘Malaria’, CME, Indian Medical Association, Panipat Branch, 28 September 2009.

Dr Adarsh Kumar

- Member, Organising Committee, TRAUMA -2008, the inaugural conference of ISTAC; 28–30 November 2008.
- Additional Organizing Secretary, 9th International Conference of ICFMT, SAFCON-2008, jointly organized by AIIMS and Amity University NOIDA; 10–12 October 2008.

Guest Lecture

- Police Officers from India as well as abroad, Advance Course on Scientific Investigation through Central Detective Training School, Chandigarh; 12–14 May 2008.
- Medico legal Aspect of Record Keeping, IMA, Lucknow; 1 March 2009.
- MLC of Dowry Death, Recording of Statement in Burn Cases to Delhi Higher Judicial Services Officers, NICFS, Delhi; 5 March 2009.
- ‘Medical Ethics and Law, Consumer Protection Act and Negligence, Organ transplantation Act’, 30th Annual Conference of Indian Academy of Forensic Medicine, Nagpur; 21–23 February 2009.
- Silver Jubilee World Congress ‘Pathology Update-2009’, Sydney, Australia; 12–15 March 2009. The paper ‘Challenges and remedies in delivering forensic pathology services—an Indian view point’ was accepted for Royal College of Pathologists, Australasia (RCPA) Grant.
- Workshop on ‘Introduction to Mortuary and Autopsy Practices’.

Dr Sanjeev Lalwani

Conferences

- Additional Organizing Secretary- SAFCON-2008, Amity University, Noida (UP); 9–12 October 2008.
- National Workshop on Alcohol: Revisiting the Current Situation and Planning Ahead, NDDTC and Department of Psychiatry; 14–15 October 2008.
- Convenor (Specialty of Forensic Medicine) and Member Organizing Committee, Trauma-2008, JPNATC AIIMS New Delhi; 28–30 November 2008.

Presentations/ Guest Lectures

- Lalwani S. 'Transplantation of Human Organs', NIHF, Delhi; Course on 'Health and human rights'; 5th August 2008.
- Lalwani S. Interactive session and made presentation on 'Understanding technology and utilizing it for the benefits of rape victims' in the 'Consultation on guidelines for managing sexual assault', Delhi Commission of Women; 9 August 2008.
- Lalwani S. 'Medico-legal issues in Ear Surgery', Guest lecture delivered in Surgical Workshop and CME-Otology, Department of ENT, AIIMS, New Delhi. 17–19 August 2008
- Lalwani S. 'Consent for Treatment', Guest lecture delivered in National Conference on Litigation and Violence in Medical Practice; 30–31 August 2008.
- Lalwani S, Kumar Arvind. Consent in medical practice and its use as Defense in cases of Negligence. Paper presented in SAFCON-2008, Amity University Noida (UP); 10–12 October 2008.
- Kumar A, Lalwani S, Aggarwal D, Rautji R, Dogra TD. Fatal Road Traffic Accidents and Their Relationship with Head Injuries: An Epidemiological Survey of Five Years. Paper presented in SAFCON- 2008, Amity University Noida (UP); 10–12 October 2008.
- Kumar A, Lalwani S, Behera C, Rautji R, Dogra TD. A Retrospective Review of Deaths of Homeless Unclaimed Persons in South Delhi (2001-2005). Paper presented in SAFCON- 2008, Amity University Noida (UP); 10–12 October 2008.
- Lalwani S, Karthikeya C Venkata. Medicolegal Issues in Otorhinolaryngology-Head and Neck Surgery. Paper presented in SAFCON- 2008, Amity University Noida (UP); 10–12 October 2008.
- Lalwani S, Behera C. Forensic related issues in Human Trafficking. Paper presented in SAFCON-2008, Amity University Noida (UP); 10–12 October 2008.
- Behera C, Rautji R, Lalwani S, Dogra TD. Accidental fatal fall from Height in Infant and Children: A Study from South Delhi. Paper presented in SAFCON-2008, Amity University, Noida (UP); 10–12 October 2008.
- Behera C, Rautji R, Lalwani S, Dogra TD. A Comprehensive Study of Motorcycle Fatalities in South Delhi. Paper presented in SAFCON-2008, Amity University, Noida (UP); 10–12 October 2008.

- Co-Chairman Scientific Session- SAFCON-2008, Amity University, Noida (UP); 10–12 October 2008.
- Jury Member for best paper award- SAFCON-2008, Amity University Noida (UP); 10–12 October 2008.
- ‘Mortuary Services’ for participants of NIHFW and Hospital Administration, AIIMS on Department of Hospital Administration, AIIMS, New Delhi; 14 October 2008.
- Member ‘Panel Discussion’ on ‘Data on Alcohol and Health Damage’ and presented Alcohol and Violence in National Workshop on Alcohol: Revisiting the Current Situation and Planning Ahead organized by Department of Psychiatry and NDDTC, AIIMS, New Delhi; 14 October 2008.
- ‘Medico legal and Financial Implications in Nosocomial Infections’, Hospital Infection Control Week, Department of Laboratory Medicine, JPNATC, AIIMS, New Delhi; 20–24 October 2008.
- ‘Guidelines for Medico legal Work’ and Panel discussion Trauma-2008 JPNATC, AIIMS New Delhi; 28–30 November 2008.
- Guest Lecture- ‘Functioning of mortuary and disposal of dead bodies’, Trauma-2008 JPNATC, AIIMS New Delhi; 28–30 November 2008.
- Moderator of Session. Session of Scope of Forensic Medicine in Private Practice Gaurav Aggarwal. Symposium on Recent Trends in Forensic Medicine, VMMC and Safdarjung Hospital, Delhi; 20 December 2008.
- Interactive Session in strengthening of South Delhi Juvenile Police Unit DCP (South District, Delhi), 20 March 2008.

Dr Purva Mathur

Workshop organized

- Infection Prevention Week, Department of Laboratory Medicine and the Hospital Infection Control Committee, JPNA Trauma centre, AIIMS; 20–24 October 2008.

Guest Lectures

- ‘Infection control protocols in trauma and its management: Safe surgery saves lives’, Association of Mumbai Consultants. Mumbai; 6 September 2008.
- Overview of Infections in Trauma Patients. Infection Prevention Week, Department of Laboratory Medicine and Hospital Infection Control Committee, JPNA Trauma Centre, AIIMS; 20–24 October 2008.
- ‘HIV and Emergency Care’, Workshop, NACO, Department of Microbiology, AIIMS; February 2009.
- Zero tolerance for nosocomial infections in endoscopic surgery. 3rd Endosurg Conference, Department of Surgical Disciplines, AIIMS; March 2009.

Scientific Papers Presented In Conferences

- Behera B, Das P, Mathur P, et al. Metallo β-lactamase and Amp C β-lactamase producing Pseudomonas aeruginosa at a tertiary care centre in India. Presented in the Indian Association of Medical Microbiologists (Delhi chapter)
- Behera B, Mathur P. Spectrum of nosocomial infections and antimicrobial resistance at a level 1 Trauma Centre of India. Trauma 2008, Delhi, 2008
- Sanghi S, Mathur P, et al. Knowledge, Attitude and Practices of Infection Control amongst nursing staff at a level 1 Trauma Care centre. Trauma 2008, Delhi, 2008
- Singh V, Mathur P, et al. Nosocomial urinary tract infections amongst trauma patients at a level-1 Trauma Centre. Trauma, Delhi; 2008.
- Shally, Poonam, Kanchana RS. Arulselvi, Purva Mathur, Deepak Gupta. Retrospective analysis of CSF on head injury patients. Trauma, Delhi, 2008.

Dr Deepak Kr. Gupta

Papers Presented

- ‘Congenital dermal sinus: A series of 45 cases’, 36th Annual ISPN conference, Cape town, South Africa; 12–16 October 2008.
- Intra-tumoral interstitial radiotherapy in recurrent glioblastoma multiforme: A series of 7 cases, 9th European skull base surgery congress, Rotterdam, Netherlands; 2009
- ‘Chiari malformations: A study of 45 cases’, ESBS Congress, European skull base surgery congress, Rotterdam, Netherlands; 2009

Dr Vijay Sharma

Organising Team

- Trauma 2008, New Delhi.
- Spine Research Society International Meeting 2008, New Delhi.

Faculty Lectures

- Guest Lecture-Paediatric Fractures Indo-US Summit Mangalore; 2008
- Fractures in children, Trauma 2008, New Delhi
- Shock Management in A and E in ABCDE Workshop Trauma 2008, New Delhi;
- Overview of Acetabular Fractures PUNCON; 2008.
- Reduction Techniques in Acetabular Surgery North Zone IOA Rohtak; 13–15 February 2009.

Important Events

- AO Masters course Agra; 2008.
- Short term training in shoulder Arthroscopy, Perth Australia; January; 2009.

Dr John R. Bera

- Joint Organizing Secretary for TRAUMA 2008, JPN Apex Trauma Centre, AIIMS, New Delhi; 28–30 November 2008.

Guest Lectures

- ‘Extremity Injury and its Management in ER’ INDUS EM 2008, Mangalore; 9 October 2008.
- Conducted a Workshop, Splint and SAM Splint. INDUS EM 2008, Mangalore; 12 October 2008.
- Prevention of Implant Related Infection. Infection Prevention Week^h, JPN Apex Trauma Centre AIIMS, New Delhi; 20- 24 October 2008.
- Splint in ER. TRAUMA 2008, New Delhi; 30 November 2008.

Books

Basic Emergency Care

Dr Vivek Trikha

International Presentation

- **‘A typical presentations of Foot and Ankle tuberculosis—time to wake-up’**, Paper presented in the American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, USA; 25–28 February 2009.
- **‘Tc99m-MDP Bone Scintigraphy in Evaluation of Treatment Response in Skeletal Tuberculosis’**, **Poster presentation in** American Academy of Orthopaedic Surgeons, Annual Meeting; Las Vegas, USA; 25–28 February 2009.

National Presentation

- ‘Principles and Technique of Locking Plates’, , UP ORTHOCON 2009, Trauma Symposium; 6 February 2009.
- ‘Role of Locking Plate in Periarticular fractures’, LCP Symposium, DOACON 2009; 10 January 2009.
- ‘Distal Femur Locking Plate’, LCP Symposium DOACON 2009; 10 January 2009.
- ‘Pelvis Trauma’, Faculty , Traumacon 2008; November 2008.

Dr Shivanand Gamanagatti

Lectures Delivered

- Complication of Transarterial chemoembolisation at annual registry meet combined with CME on 'Clinical practice guidelines for evidence-based management in cardiovascular and interventional radiology', AIIMS, New Delhi; 26–27 April 2008.
- Percutaneous nonvascular gastrointestinal interventions: 'Gastrointestinal and hepatobiliary imaging', AIIMS-MAMC-PGI imaging course series (CME), AIIMS, New Delhi; 24–25 October 2008.

National Conferences

- 'Chemoembolisation of HCC: Current status', Annual conference of ISVIR, Mumbai; 31 October–3 November 2008.

International Conferences

- 'Radiology of obscure gastrointestinal bleed, Annual conference of Asia Pacific digestive week', New Delhi; 13–16 September 2008.
- Workshop, 'Interpretation of Plain X-rays in major trauma', Trauma 2008, International conference cum live workshop, JPNA trauma centre, New Delhi; 28–30 November 2008.
- Workshop, 'Ultrasound guided Vascular Access', Trauma 2008, International conference Cum live workshop, organized by JPNA trauma centre, New Delhi; 28–30 November 2008.

Dr Atin Kumar

Lectures Delivered

- 'Imaging in abdominal trauma', AIIMS-MAMC-PGI CME on Gastrointestinal and Hepatobiliary Imaging, AIIMS, New Delhi; 23–24 October 2008.
- 'Imaging in abdominal trauma' in Annual CME of Haryana chapter of IRIA, PGIMS, Rohtak; 28 March 2009.

International Conferences

- Radiology workshop, 'CT evaluation of abdominal trauma' Trauma 2008, International Conference cum live workshop, JPNA Trauma Centre, New Delhi; 28–30 November 2008
- Radiology workshop, 'FAST in trauma', Trauma 2008, International Conference cum live workshop, JPNA Trauma Centre, New Delhi; 28–30 November 2008.

Dr Amit Gupta

- Coordinator, 2nd Indo-Israel International Course on 'Trauma system and mass casualty management', JPN Apex Trauma Centre, AIIMS and supported by MASHAV, Ministry of External Affairs Israel; 18–27 November 2008.

- Co-Organizing Secretary- Trauma 2008, International conference, CME cum Live Workshop and Inaugural conference of the Indian Society Trauma and Acute Care (ISTAC); 28–30 November 2008.
- Jt. Secretary, Third AIIMS Surgical week and Endosurg-2009, International CME cum Live Workshop; 13–15 March 2009.
- Workshop Director, Trauma Alert Assembly, Indo-US Emergency Medicine Summit 2008, Mangalore; 8–12 October 2008.

Guest Lectures

International

- ‘Trauma in India: Past Present and Future’, At R Adams Cowley Shock Trauma Centre, University of Maryland, Baltimore, USA; 3 September 2008.
- Trauma Scenario in India: The future dimensions. At Grand Rounds of Emergency and Trauma, Tampa General Hospital and University of South Florida, Tampa, Florida, USA; 24 July 2008.

National

- ABCDE of Trauma, Trauma Alert Assembly. INDO-US Emergency Medicine Summit 2008, Mangalore; 8–12 October 2008.
- Trauma Management in Chemical Accident Victims. In Conference on Chemical (Industrial) Disaster Management – Pipelines, Storages and Medical Preparedness, National Disaster Management Authority and FICCI, FICCI Auditorium, New Delhi; 11–13 February 2009.

Dr Biplab Mishra

- Joint organizing Secretary- Trauma 2008, International conference, CME cum Live Workshop and Inaugural conference of the Indian Society Trauma and Acute Care (ISTAC); 28–30 November 2008.

Guest Lectures

International

- ‘Management of a case of Thoracoabdominal impalement by a metallic bar: A surgical marvel’, 2nd Emirates Emergency Surgery and Trauma conference, Fujairah, UAE; 5–6 November 2008.
- ‘Management of right atrial rupture secondary to blunt trauma chest’, 2nd Emirates Emergency Surgery and Trauma Conference, Fujairah, UAE; 5–6 November 2008.
- ‘New algorithm of non-operative management of blunt injury to spleen and kidney: Leads to zero mortality’, 2nd Emirates Emergency Surgery and Trauma conference; Fujairah, UAE; 5–6 November 2008.

National

- ‘Management of penetrating torso trauma’, 4th Annual Indo-US emergency medicine summit “rescue, resuscitation and research” Mangalore, Karnataka; 8–12 October 2008.

Dr Maneesh Singhal

- Treasurer - Trauma 2008, International conference, CME cum Live Workshop & Inaugural conference of the Indian Society Trauma and Acute Care (ISTAC); 28–30 November 2008.
- Joint -organising Secretary: Third AIIMS Surgical week and Endosurg-2009, International CME cum Live Workshop; 13–15 March 2009.

Guest Lectures

International

- ‘Management of Maxillo-Facial injury at Level 1 Trauma Centre’, 2nd Emirates Emergency Surgery and Trauma Conference 2008, Fujairah Hospital, Fujairah, UAE; 5–6 November 2008.

Dr Subodh Kumar

- Organizing Secretary, 2nd Indo-Israel International Course on ‘Trauma System and Mass Casualty Management’, JPN Apex Trauma Center, AIIMS and supported by MASHAV, Ministry of External Affairs Israel; 18– 27 November 2008.
- Organizing Secretary- Trauma 2008, International Conference, CME cum Live Workshop and Inaugural conference of the Indian Society Trauma and Acute Care (ISTAC); 28–30 November 2008.
- Co-organizing Secretary: Third AIIMS Surgical week and Endosurg-2009, International CME cum Live Workshop; 13–15 March 2009.

Guest Lectures

International

- ‘Sternotomy/Thoracotomy in Bleeding into chest’. 2nd Emirates Emergency Surgery and Trauma Conference 2008, Fujairah Hospital, Fujairah, UAE; 5–6 November 2008.

National

- ‘Surgical Site Infection. In Infection Prevention Week’, JPN Apex Trauma Center, AIIMS, New Delhi; 20–25 October 2008.
- Emergency Room Management of Thoracic Trauma. In Trauma Alert Assembly. INDO-US Emergency Medicine Summit 2008, Mangalore; 8–12 October 2008.
- ‘Sternotomy/Thoracotomy in bleeding into chest’, Trauma 2008, International conference, CME cum Live Workshop and Inaugural conference of the Indian Society Trauma and Acute Care (ISTAC); 28–30 November 2008.
- TEP vs TAPP repair for inguinal hernia- a prospective randomized trial presented at International Consensus Congress of International Endohernia Society, New Delhi, 19–21 February 2009.

Dr Sushma

- Joint organizing Secretary: Third AIIMS Surgical week and Endosurg-2009.
- Scientific convener: Trauma 2008 AIIMS

- Faculty member: Save Life Foundation (NGO) for training of Police personnel and bystanders to provide First Aid to trauma victims.

Guest Lectures

National

- Trauma in Pregnancy and Management of maxillofacial injury. Indo US – Emergency Meet 2008.
- CSSD :Its Guidelines and Functioning at Trauma centre .Presented in the Infection Prevention Week, organized by the Department of Laboratory Medicine and Hospital Infection Control Committee, JPNA Trauma Centre, AIIMS; 20–24 October 2008.
- ‘Integrated approach on Management of Serial bomb blast-medical management’, Training programme for bomb blast management at National Institute of Disaster Management (NIDM), Delhi; 8 June 2008.
- ‘Surgery Census 2008’, Seminar on ‘Injury prevention a social responsibility’, in association with Centre of Disease Control, Atlanta, USA, JPN Apex Trauma Centre AIIMS; 12 March 2009.

Papers presented

International

- Goswami A, Sushma, Singhal M, Sinha T. Friction Burn: A clinical study, Proceedings of 14th conference of International Society of Burn Injuries, Toronto Canada 2008

National

- Gyan S, Sushma, Singhal M, Sagar R; Microsurgical penile re-plantation following self amputation in a patient with psychosis; proceedings of Trauma, AIIMS, New Delhi; 2008.
- Das K, Kumar V, Kumar S, Sushma, Gupta A. Spectrum of Surgical cases managed at level 1 trauma center, Proceedings of Trauma 2008, AIIMS, New Delhi;
- Goswami A, Sushma, Kumar S, Misra MC. Multidisciplinary approach to hemipelvectomy wound: proceedings Trauma, AIIMS, New Delhi; 2008.
- Shadan A, Kumar S, Gupta A, Sushma, Singhal M. An unusual case of blunt abdominal injury: A case report, Proceedings of Trauma, AIIMS, New Delhi; 2008.

RESEARCH

Professor M.C. Misra

Funded projects

1. Cost effectiveness analysis and comparison of single stage vs two stage management of patients with concomitant gall stone disease and common bile duct stones—a randomized controlled trial. Virinder Kumar Bansal, MC Misra, Parmod Garg, CS Pandav. In collaboration with Department of Gastroenterology and Community Medicine. Funded by SAGES. Funds: 30,000 US dollars.

2. A randomized controlled trial of laparoscopic inguinal hernia repair–transabdominal preperitoneal versus total extra peritoneal approach. Funded by Institute Research Grant (2007–2008). Funds: Rs 1,62,500.

Collaborative projects

Completed

1. BhCG expression in patients with benign and malignant breast diseases (June 2008)
2. To study the clinical efficacy of Transvaginal cholecystectomy in patients with uncomplicated gall stones with the new instruments (March 2008)
3. Efficacy of training of laparoscopic hepatico-jejunostomy using porcine model—a prospective study
4. Feasibility study on Injury and road traffic Injury surveillance. MC Misra, Amit Gupta. Funded by MoHSW- WHO-ICMR.

Ongoing

1. A randomized controlled study of comparison of single stage vs two stage treatment for patients with gall stones and common bile duct stones
2. Comparison of chronic groin pain, testicular functions and quality of life after open and laparoscopic inguinal hernia repair- a prospective randomized control trial
3. Comparison of various imaging modalities in the diagnosis and staging of the periampullary tumors and study of various perioperative factors in predicting the outcome of the patients with periampullary tumors
4. Laparoscopic suturing skills acquisition- a comparison between trained and novice surgeons
5. Prospective evaluation of laparoscopic skills acquisition in a short term focused training programme on a phantom model using porcine gall bladder
6. Major trauma outcome study in a level – I Trauma Centre
7. A prospective randomized control trial of sutured vs tacker fixation of mesh in patients undergoing laparoscopic incisional hernia repair.
8. A prospective randomized comparison of TAPP vs TEP repair in patients undergoing laparoscopic inguinal hernia repair.

Dr Babita Gupta

Collaborative projects

Ongoing

1. Phenotypic characterization of invasive Candida isolates, obtained from critically ill trauma patients (with Microbiology, AIIMS and JPNATC, Anaesthesia)

2. A prospective controlled double blind study on the efficacy of tranexamic acid versus aprotinin to reduce blood loss in traumatic spine surgeries.
3. Evaluation of serum Procalcitonin levels for diagnosis of sepsis in trauma patients admitted in ICU (Microbiology, JPNATC, Department of Anaesthesia).

Dr Shefali K. Sharma

Funded projects

1. Applied to CSIR for funding a project: To Study the Profile of Admitted Fracture Patients using DUAL Energy X- Ray Absorptiometry (DEXA), Serum Calcium, Serum Phosphorus, Vitamin D and Parathyroid levels.

Departmental Projects

Ongoing

1. A study of sub-clinical atherosclerosis in Ankylosing Spondylitis
2. Serum IL-6 level as marker of disease activity in Ankylosing Spondylitis without peripheral arthritis

Dr Sanjeev Lalwani

Departmental

1. Acute thalamic involvement in severe head injury: An autopsy study with histo-pathological correlation. Deepak Aggarwal, Sanjeev Lalwani.
2. A Comprehensive Study of Unnatural Death among Children and Women. T.D. Dogra, Sanjeev Lalwani.
3. Histopathological and Morphometric evaluation of surgically excised specimen of Aortic Aneurysm. Ruma Ray, Sanjeev Lalwani.
4. Evaluation of vitreous humour as a biomatrix for the quantification of drugs and chemicals in postmortem forensic investigation. Supriyo Ghosh, (Co- Supervisor and Member Doctoral Committee, Sanjeev Lalwani).

Dr Purva Mathur

Funded Projects

1. Evaluation of serum procalcitonin levels for diagnosis of sepsis in trauma patients admitted to intensive care units. Funded by AIIMS.
2. Molecular and epidemiological study of Streptococcus pyogenes in India. Funded by ICMR.
3. Efficacy of a short course of prophylactic antibiotic treatment for prevention of post operative infections in open reduction and internal fixation of closed fractures. Funded by ICMR.

Short-term trainees

1. Thesis of MSc Short-term trainee: 'Detection of Amp C production in multidrug resistant Gram negative bacteria at a tertiary trauma care centre of India'.

Dr Deepak Agrawal

Funded Projects

1. Role of Thalamus in diffuse axonal injury: An autopsy study with histopathological correlation. Funded by AIIMS. Funds:Rs 2.3 lakh.
2. A registry for comparing catheter-related infection rates among various shunt systems in the treatment of hydrocephalus. Funded by Codman Corporation, USA. Funds: Rs 5 lakh.

Dr Sumit Sinha

Funded Projects

Ongoing

As a Chief Investigator:

1. Role of Simvastatin in prevention of vasospasm and improving functional outcome after aneurysmal sub-Arachnoid haemorrhage: A prospective randomized double blind placebo controlled trial. Department of Neurosurgery, All India Institute of Medical Sciences, New Delhi, India (Intramural Project)
2. A double blind placebo controlled trial of Progesterone with or without hypothermia in subjects with severe traumatic brain injury. Department of Neurosurgery, Jai Prakash Narain Apex Trauma Centre, AIIMSIndia. Partially funded by NIH.
1. Brain trial (Bradykinin B2 receptor antagonist in Neurotrauma): A multicentric randomised trial. Funded London school of Hygiene and Tropical medicine.
2. DECRA trial (Decompressive craniectomy in severe head injury): A multicentric Randomised trial (being conducted in USA)
3. CRASH2 trial: A multicentric randomised trial. Funded by London school of Hygiene and Tropical Medicine.

MCh THESIS PRODUCED

As Co-Guide:

1. Vamsi, Sarat P Chandra, Sharma BS. Paediatric Bony Cranio-vertebral Junction anomalies: Indian Perspective and treatment challenges.
2. Vamsi, Sarat P Chandra, Sharma BS. Evaluation of Fibrillin (FBN-1) gene (Exon-24) for the molecular characterization of developmental bony Cranio-vertebral junction anomalies—A preliminary study.
3. Thapa A, Sinha S, Chandra SP, Sharma BS. Epidemiological Study of Post-traumatic seizures in India.

4. Thapa A, Sinha S, Chandra SP, Sharma BS. Surgical Interventions in Arteriovenous malformations: Outcome analysis and changing scenarios.

Dr John R. Bera

1. Major Trauma Outcome Study at Level 1 Trauma Centre
2. Randomized Control Clinical Trial of Early Versus Late Tracheostomy to compare length of mechanical ventilation; length of ICU stay in Critically Ill Trauma Patient.
3. Study on use of Transexamic acid in patients undergoing surgery post accidents, safety and effectiveness
4. To collect retrospective pilot data on Bomb blast injury in India from multiple cities using CDC blast injury surveillance form

Dr Vijay Sharma

Funded Projects

1. Efficacy of a short course of prophylactic antibiotic treatment for prevention of post operative infections in open reduction and internal fixation of closed fractures. Funded by the ICMR

Thesis

Co-Guide

1. Randomised Controlled Study Comparison of Open Versus Minimal invasive fixation in the management of fractures of the calcaneum.
2. Knee Arthrography

Dr Atin Kumar and Dr Shivanand Gamanagatti

Funded project

Completed

1. Incidence of deep venous thrombosis in high risk patients admitted in medical wards and ICU in a tertiary care hospital (ongoing). S.K. Sharma (Medicine). Atin Kumar, Ashu Seith. Funded by Pfizer (2006–2008). Funds: Rs 5 lakh.

Departmental project

Completed

1. Comparison of Color doppler, CT portography and MR Portography in paediatric EHPVO

Ongoing

1. MR imaging of wrist pain
2. Comparison of MDCT, MRI, Endoscopic Ultrasound and PET-CT in evaluation of suspected pancreatic neoplasm.
3. Percutaneous management of malignant biliary obstructions

4. MRI evaluation of internal derangement of knee
5. Comparative evaluation of image guided and palpation guided core biopsy of palpable breast masses
6. Radiofrequency ablation of varicose veins
7. MDCT and MRI evaluation of renal masses
8. Role of CECT and splenic artery embolisation in management of traumatic splenic injuries
9. Differentiating recurrent gliomas from post radiotherapy changes: Utility of advanced MRI techniques and their correlation with ^{99m}tc-glucoheptonic acid (GHA) brain SPECT
10. Imaging and intervention in vascular malformations of the extremities.
11. Role of MDCT in staging of laryngeal carcinoma with limited MRI correlation
12. Role of ultrasound in mamographically detected breast carcinomas.
13. Radiological evaluation of cystic lesions of the jaw.

Collaborative proects

Completed

1. Assessment of endothelial dysfunction and oxidative stress in chronic kidney disease of varying severity and after renal transplantation (with Nephrology)
2. Role of FDG-PET and MRI in assessment of Osteosarcoma: Prechemotherapy and Post chemotherapy (with Medical Oncology)
3. Comparison of FDG-PET and Dynamic MRI in correlation of VEGF expression on tumour cells in patients with Osteosarcoma (with Medical Oncology)
4. A comparative Evaluation of changes in ultrasonographic dimensions of masseter muscle with EMG activity prior and subsequent to twin block therapy (with Dental Sciences)

Ongoing

1. Study of non alcoholic fatty liver disease and atherosclerosis in Asian Indians (with Medicine)
2. Evaluation of testicular blood flow and volume in patients undergoing laparoscopic inguinal hernia repair (with Surgery)
3. Evaluation of pancreatic tumors (with Surgery)
4. Abdominal fat estimation in patients of obstructive sleep apnoea (with Medicine)
5. Study of clinical and neuro-developmental profile in patients of Tuberous Sclerosis (with Paediatrics)
6. Optic nerve sheath diameter measurement for raised ICP in severe head injury patients (with Neurosurgery)

7. Comparison of minimally invasive techniques and conservative treatment in vertebral collapse (with Orthopedics)
8. Clinico-radiological evaluation of total knee arthroplasty short term retrospective-prospective study (with Orthopedics)
9. Arthroscopic and MR evaluation of elbow in patients with rheumatoid arthritis (with Orthopedics)
10. Intralesional autologous bone marrow stem cell injection in avascular necrosis of femoral head: Follow up with bone scan, PET scan and MRI (with Orthopedics)
11. Randomized controlled trial of Radiofrequency ablation versus Percutaneous acetic therapy for the treatment of small hepatocellular carcinoma (with Gastroenterology)
12. Randomized control trial of Transarterial chemoembolisation (TACE) versus TACE plus oral chemotherapy in the treatment of Unresectable Hepatocellular carcinoma (with Gastroenterology)
13. Randomized control trial of Transarterial chemotherapy (TAC) versus Oral chemotherapy in the treatment of Unresectable Hepatocellular carcinoma (with Gastroenterology)
14. Randomized control trial of N-Acetylcysteine in Prevention of Renal Failure in Hepatocellular Carcinoma patients undergoing Transarterial Chemotherapy and Transarterial Chemoembolisation (with Gastroenterology)
15. Randomized control trial of oral chemotherapy versus supportive therapy in the treatment of Unresectable Hepatocellular carcinoma (with Gastroenterology)
16. Pattern of peripheral arterial diseases in tertiary care surgical practice (Indian scenario) (with Surgery)
17. Safety and efficacy of autologous stem cells in prevention of amputation in patients with chronic critical limb ischemia (with Surgery)
18. A comparative Evaluation of changes in ultrasonographic dimensions of masseter muscle with EMG activity prior and subsequent to twin block therapy (with Dental Sciences)
19. USG evaluation of Intimal-medial thickness of carotid artery in patients with SLE (with Medicine)
20. To study the effect of cricoids split with interpositioning rib cartilage graft for subglottic with or without tracheal or glottis stenosis (with Otorhinolaryngology)

Completed

Dr Subodh Kumar

1. A randomized controlled trial of laparoscopic inguinal hernia repair-Trans-abdominal pre peritoneal versus totally extra peritoneal approach
2. Efficacy of training of laparoscopic hepatico-jejunostomy using porcine model—a prospective study

Dr Sushma

1. BhCG expression in patients with benign and malignant breast diseases (June 2008)

Ongoing

Dr Amit Gupta

1. Prospective randomized control trial of early versus late tracheostomy in critically ill trauma patients. Funded by AIIMS.
2. Immunological changes in patients of shock due to trauma. Funded by ICMR.

Dr Biplab Mishra

1. Ultrasonic debridement of post traumatic wounds
2. Comparative study of sustained silver ion releasing semipermeable 3D foam dressing and conventional paraffin gauze dressing for skin graft donor site
3. Comparison of conventional paraffin gauze dressing and femtotechnology-based sustained silver ion in calcium alginate foam dressing for acute wounds
4. Feasibility of fast track discharge in breast cancer patients undergoing definitive surgery and impact on quality of life
5. Percutaneous management of malignant biliary obstruction
6. Role of CECT and splenic artery embolization in management of blunt splenic injury

Dr Maneesh Singhal

1. Comparison of Sustained silver ion releasing foam based dressing with conventional paraffin gauze dressing in donor area
2. Ultrasonic debridement of post traumatic wounds
3. Role of silver releasing femto technology based dressing on acute traumatic wound

Dr Subodh Kumar

1. Role of computed tomography and splenic artery embolisation in blunt splenic trauma
2. Major Trauma Outcome Study in a level – I Trauma Centre
3. Comparison of chronic groin pain, testicular functions and quality of life after open and laparoscopic inguinal hernia repair- a prospective randomized control trial
4. Comparison of various imaging modalities in the diagnosis and staging of the periampullary tumours and study of various perioperative factors in predicting the outcome of the patients with periampullary tumours
5. A prospective randomized comparison of TAPP vs TEP repair in patients undergoing laparoscopic inguinal hernia repair

Dr Sushma

1. Major trauma outcome study at level I Trauma Centre
2. Comparison of Sustained silver ion releasing foam based dressing with conventional paraffin gauze dressing in donor area

3. Ultrasonic debridement of post traumatic wounds
4. Role of silver releasing femto technology-based dressing on acute traumatic wound

PUBLICATIONS

Journals

1. Khan RN, Bansal VK, Kumar S, Jindal V, Misra MC, Bhatia V. Duodenal gastrinoma: a diagnostic dilemma. *Am J Surg* 2009;**197**:e48–e50. (Epub 2009 Feb 23.PMID: 19233342 [PubMed - in process])
2. Misra MC, Bhowate PD, Bansal VK, Kumar S. Massive scrotal hernias: Problems and solutions. *J Laparoendosc Adv Surg Tech A* 2009;**19**:19–22. (PMID: 19196090 [PubMed - indexed for MEDLINE])
3. Becerra Garcia FC, Misra MC, Bhattacharjee HK, Buess G. Experimental trial of transvaginal cholecystectomy: An *ex vivo* analysis of the learning process for a novel single-port technique. *Surg Endosc* 1 Jan 2009. (Epub ahead of print)PMID: 19118415 [PubMed-as supplied by publisher])
4. Buess G, Becerra-Garcia F, Misra MC. Instruments for transluminal laparoscopic surgery or ‘NOTES’. *Minim Invasive Ther Allied Technol* 2008;**17**:331–5. (PMID: 19003593 [PubMed - indexed for MEDLINE])
5. Misra MC, Aggarwal S, Guleria S, Seenu V, Bhalla AP. Clipless and sutureless laparoscopic surgery for adrenal and extra-adrenal tumors. *JLS* 2008;**12**:252–5. (PMID: 18765047 [PubMed - indexed for MEDLINE])
6. Misra MC, Kumar S, Bansal VK. Total extraperitoneal (TEP) mesh repair of inguinal hernia in the developing world: Comparison of low-cost indigenous balloon dissection versus direct telescopic dissection—a prospective randomized controlled study. *Surg Endosc* 2008;**22**:1947–58. (Epub 2008 Apr 24. PMID: 18437480 [PubMed - indexed for MEDLINE])
7. Saeed O, Gupta V, Dhawan N, Streja L, Shin JS, Ku M, et al. Knowledge of modifiable risk factors of Coronary Atherosclerotic Heart Disease (CASHD) among a sample in India. *BMC Int Health Hum Rights* 2009;**9**:2.
8. Singh J, Bhoi S, Gupta V, Goel A. Clinical profile of venomous snake bites in north Indian military hospital. *Journal of Emergencies, Trauma and Shock* 2008;**1**:78–80.
9. Dhawan N, Saeed O, Gupta V, Desai R, Ku M, Bhoi S, Verma S. Utilizing video on myocardial infarction as a health educational intervention in patient waiting areas of the developing world: a study at the emergency department of a major tertiary care hospital in India. *Int Arch Med* 2008;**1**:14.
10. Wanchu, Ajay BS, Sharma S, Sharma S, Bambery A, Pradeep. High dose prednisolone and bolu cyclophosphamide in interstitial lung disease associated with systemic sclerosis: A prospective open study. *International Journal of Rheumatic Diseases* (Manuscript ID: APLAR-0019-2009.R2, Manuscript Type: Original Article, Date Submitted by the Author: 14-Apr-2009)

11. Gulati V. Immunization in Adults, Jaya Prakash Sugunraj. *Medicine Update* 2009;19:128–38.
12. Gulati V. Influenza vaccine, Jaya Prakash Sugunraj. *Adult Immunization* 2009;1:95–103.
13. Jaiswal AK, Kaur A, Milo T, Kumar A. Detection of Malathion in blood and urine using thin layer chromatography. *J Ind Acad Forensic Med* 2008;30:15–21.
14. Kumar A. Exhumation—plugging of pitfalls. *Indian Internet J Forensic Med and Toxicology* 2008;6:48–51.
15. Jaiswal AK, Kumar A. Determination of Quinolphos in biological samples using high performance thin layer chromatography (HPTLC). *Malaysian Journal of Forensic Pathology and Sciences* 2008;3:89–114.
16. Behera C, Rautji R, Lalwani S, Dogra TD. A comprehensive study of motorcycle fatalities in South Delhi. *JIAFM* 2009;31.
17. Kumar A., Lalwani S, Behera C, Rautji R, Dogra TD. A retrospective review of deaths of homeless unclaimed persons in South Delhi (2001-2005). *Med Sci Law* 2009;49:46–50.
18. Lalwani S, Mishra MC, Bhardwaj DN, Rajeshwari S, Rautji R, Dogra TD. Common bile duct injury in laparoscopic cholecystectomy- inherent risk of procedure or medical negligence -a case report. *World J of laparoscopic Surgery* 2008;1:49–51.
19. Behera C, Rautji R, Lalwani S, Dogra TD. Sudden death due to aortic rupture while swimming—a case report. *JIAFM* 2008;30:79–81.
20. Behera C, Rautji R, Lalwani S, Dogra TD. Drowning Deaths in South Delhi (1999–2005). *Indian Medical Gazette* 2008;CXL:359–62.
21. Kumar A, Lalwani S, Agarwal D, Rautji R, Dogra TD. Fatal road traffic accidents and their relationship with head injuries: An epidemiological survey of five years. *Indian Journal of Neurotrauma (IJNT)* (Online) 2008;5:63–67.
22. Mathur P. Infections in traumatised patients: A growing medico-surgical concern. *Indian J Med Microbiol* 2008;26:212–6.
23. Mathur P, Samantaray JC, Samanta P. High prevalence of functional liver derangement in visceral leishmaniasis at an Indian tertiary care centre. *Clin Gastroenterol Hepatol* 2008;6:1170–2.
24. Behera B, Mathur P, Das A et al. An evaluation of four different phenotypic techniques for detection of metallo-beta-lactamase producing *Pseudomonas aeruginosa*. *Indian J Med Microbiol* 2008;26:233–7.
25. Behera B, Das A, Mathur P, Kapil A. High prevalence of carbapenem resistant *Pseudomonas aeruginosa* at a tertiary care centre of north India. Are we under-reporting? *Indian J Med Res* 2008;128:324–5.
26. Dahiya S, Kapil A, Kabra SK, Mathur P, Sood S, Lodha R, Das BK. Pertussis in India. *J Med Microbiol* 2009;58:688–9.

27. Behera B, Das A, Mathur P, Kapil A, et al Tigecycline susceptibility report from an Indian tertiary care hospital. Accepted for publication in IJMR.
28. Behera B, Mathur P. Erroneous reporting of vancomycin susceptibility for Staphylococcus Spp. by vitek software version 2.01. Accepted for publication in the Japanese Journal of Infectious Diseases.
29. Kumar A, Lalwani S, Agrawal D, Rautji R, Dogra TD. Fatal road traffic accidents in South Delhi region and their relationship with head injuries: An epidemiological survey over five years. *IJNT* 2008;**5**:63–67.
30. Mahapatra AK, Agrawal D, Kumar R. Minor Head Injury. *IJNT* 2008;**5**:69–72.
31. Behera B, Naik V, Mathur P, Agrawal D. Identification of Kocuria rosea by Vitek 2 GP Card. *The Internet Journal of Medical Informatics* 2008;**3**:2.
32. Ahmad FU, Agrawal D, Singh MM, Mahapatra AK. Acute epidural haematoma following Ventriculoperitoneal shunt in an adult. *Pan Arab J Neurosurg* 2008;**12**:118–20.
33. Tripathi AK, Agrawal D. Hydrocephalic Holoprosencephaly: An Oxymoron? Insights into etiology and management. *J Pediatr Neurosci* (In print)
34. Kurwale SN, Agrawal D, Sharma BS. Astroblastoma: A radio-histological diagnosis. *J Pediatr Neurosci* 2008;**3**:160–62.
35. Mahapatra AK, Agrawal D, Satyarthee GD. Surgery of Petroclival Tumors: A Series of 45 Cases. *Pan Arab J Neurosurg* 2008;**12**:31–6.
36. Gupta DK, Kasliwal MK, Suri A, Suri V, Rishi A, Sharma BS. Sphenoid wing inflammatory pseudotumor mimicking a clinoidal meningioma: Case report and review of the literature. *Surg Neurol.* 2008;**70**:509–13; (discussion 513. Epub 2008 Jan 22. Review).
37. Gupta DK, Kasliwal MK, Mahapatra AK, Sharma MC. Multicentric cerebello pontine angle glioblastoma multiforme: A case report. *Pediatric Neurosurgery* 2008;**44**:224–8.
38. Gupta DK, Kasliwal MK, , Sharma BS, Suri V, Garg A. Isolated spinal neurocysticercosis with clinical plemorphism. *Turkish Neurosurgery* 2008;**18**:294–7.
39. Gupta DK, Kasliwal MK, Mahapatra AK. Quadrigeminal cistern herniating into an occipital encephalocele. *Journal of Paediatric Neuroscience* 2008;**1**:72.
40. Gupta DK, Kasliwal MK, Mahapatra AK, Sharma MC. Congenital glioblastoma multiforme: A case report and review of literature. *Journal of Paediatric Neuroscience* 2008;**2**:69–71.
41. Sinha Sumit Sharma BS. Cystic Acoustic Neuromas: Surgical outcome in a series of 58 patients. *J of Clin Neurosc* 2008;**15**:511–18.
42. Sinha Sumit Sharma BS. Malignant paraganglioma of the sellar region simulating pituitary macroadenoma: case report and review of literature. *J of Clin Neurosc* 2008;**15**:937–39.
43. Sinha Sumit, Sharma BS, Sarkar Chitra, Mahapatra. Giant pituitary adenomas: Surgical outcome in a series of 127 cases. *PanArab J Neurosurg* 2008;**12**:60–6.

44. Sinha Sumit, Borkar Sachin. Chronic Calcified extradural Hematoma in a child: Case report and review of literature. *India J Neurotrauma* 2008;**5**:51–2.
45. Sinha Sumit, Sharma BS. Microsurgical management of giant acoustic neuromas: An institutional series of 400 cases. *Asian J Neurosurg* 2008;**2**:
46. Sinha Sumit, Sharma BS. Neurocysticercosis: Review of current status and management issues. *J Clin Neurosci* (Accepted for Publication)
47. Kasliwal MK, Sinha Sumit, Sharma BS. Bilateral anterior cerebral artery aneurysm due to mucormycosis - a case report. *J Clin Neurosci* 2009;**16**:156–9.
48. Agarwal S, Suri V, Rishi A, Garg A, Sharma MC, Sinha Sumit, et al. Glioneuronal tumor with neuropil-like islands: A new entity. *Neuropathology* 2009;**29**:96–100.
49. Kasliwal MK, Sinha S, Yadav OP, Kumar R, Sharma BS. Giant hemicranial calcified subdural empyema – unusual complication after nine years of ventriculoperitoneal shunt insertion. *Indian J Ped.* (In Press).
50. Borkar SA, Kasliwal MK, Sinha Sumit, Sharma BS. MR Imaging in Aneurysmal Bone Cyst of the Orbit. *Turk Neurosurg* 2008;**18**:183–6.
51. Kasliwal MK, Srivastava R, Sinha Sumit, Kale SS, Sharma BS. Vasospasm after transsphenoidal pituitary surgery: A case report and review of the literature. *Neurol India* 2008;**56**:81–3.
52. Borkar SA, Sinha Sumit, Sharma BS. Remote site Extradural Hematoma. *J Clin Neurosci* (Accepted for publication)
53. Sinha Sumit, Takeya Watabe, Yoko Kato, Daikichi Oguri, Shei Imizu, Junpei Oda, Masahiro Omura, Akiyo Sadato, Natsuki Hattori, Keiko Irie, Motoharu Hayakawa, Hirotooshi Sano. Suction decompression assisted clipping of large and giant internal carotid artery aneurysms—an experience in 13 cases and review of literature. *J Bras Neurocirurg* 2008;**19**:14–20.
54. Mathur P, Behera B, Das A, Kapil A, Sharma V. An evaluation of four different phenotypic techniques to evaluate detection of metallo-B-lactamase producing *Pseudomonas Aeruginosa*. *Indian J Medical Microbiol* 2008;**26**:233–7.
55. Singhal D, Yadav C, Sharma V. Comment on Mouzopoulos et al.: The four-year functional result after a displaced subcapital hip fracture treated with three different surgical options. *Int Orthop* 2008.
56. Garg B, Sharma V, Rajesh Malhotra. Advances in distal femoral fractures. *Punjab Journal of Orthopaedics* 2008;**X**:57–62.
57. Khan SA, Kumar A, Varshney MK, Trikha V, Yadav C. Accidentally falling instruments during orthopaedic surgery: Time to wake up!. *ANZ J Surg* 2008;**78**:794–5.
58. Nagaraj C, Singh S, Singh B, Trikha V, Rastogi S. Tuberculosis of the shoulder joint with impingement syndrome as initial presentation. *J Microbiol Immunol Infect* 2008;**41**:275–8.

59. Khan SA, Kumar A, Varshney MK, Trikha V, Yadav CS. Dextrose prolotherapy for recalcitrant coccygodynia. *J Orthop Surg (Hong Kong)* 2008;**16**:27–9.
60. Kumar A, Ghosh SB, Varshney MK, Trikha V, Khan SA. Congenital spinal tuberculosis associated with asymptomatic endometrial tuberculosis: A rare case report. *Joint Bone Spine* 2008;**75**: 353–5.
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Abstracts

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2. Paul SB, Gamanagatti SR, Sreenivas V, Madan K, Baba CS, Gulati MS, et al. Serum leptin does not correlate with hepatic fibrosis in patients with non alcoholic fatty liver disease (NAFLD) and chronic hepatitis C (CHC). *Journal of Gastroenterology and Hepatology* 2008;**23** (Suppl.5): A65.
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4. Das K, Kumar V, Kumar S, Sushma, Gupta A. Spectrum of Surgical cases managed at level 1 Trauma Centre: In proceedings of Trauma 2008, International conference, CME cum Live Workshop and Inaugural conference of the Indian Society Trauma and Acute Care (ISTAC), New Delhi; November 2008.
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8. Gyan S, Sushma, Singhal M, Sagar R. Microsurgical penile re-plantation following self amputation in a patient with psychosis. In proceedings of Trauma, 2008.
9. Kumar S, Kumar V. Post-traumatic pancreatic injury—is it rarity? In proceedings of Trauma 2008, International conference, CME cum Live Workshop and Inaugural conference of the Indian Society Trauma and Acute Care (ISTAC), New Delhi; November 2008.
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Chapters in Books

1. Vajpayee M, Mathur P. Laboratory diagnosis of HIV/AIDS. Chapter 69. In: IADVL Textbook and Atlas of Dermatology, 3rd ed; PP 1042-50.
2. Vajpayee M, Mathur P. Laboratory Diagnosis of Syphilis. Chapter 15. In: IADVL Textbook and Atlas of Dermatology. 3rd ed. 1042–50.
3. Kato Y, Sinha S, Sano H, Watabe T, Oda J, Oguri D, et al. Microsurgical management of thrombotic aneurysms.
4. Sharma BS, Sinha S. Neurocysticercosis. In: Textbook of Neurosurgery. (In Press)
5. Sharma BS, Sinha S. Intracavernous aneurysms. In: Textbook of Neurosurgery. (In Press)
6. Gamanagatti S, Srivastava DN. Percutaneous Nonvascular Gastrointestinal Interventions. In: Gupta AK, Chowdhury V, Khandelwal N (eds). Gastrointestinal and hepatobiliary imaging. 3 ed. AIIMS-MAMC-PGI imaging course series. New Delhi: Jaypee Brothers; 2008: 415–27.
7. Srivastava DN, Gamanagatti S. Gastrointestinal haemorrhage. In: Gupta AK, Chowdhury V, Khandelwal N (eds). Gastrointestinal and hepatobiliary imaging. 3rd ed AIIMS-MAMC-PGI imaging course series. New Delhi: Jaypee Brothers; 2008:382–93.
8. Srivastava DN, Gamanagatti S. Interventional Treatment of Liver Tumours. In: Gupta AK, Chowdhury V, Khandelwal N (eds). Gastrointestinal and hepatobiliary imaging. 3rd ed. AIIMS-MAMC-PGI imaging course series. New Delhi: Jaypee Brothers; 2008:403–14.
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Articles

1. Khan RN, Bansal VK, Kumar S, Jindal V, Misra MC, Bhatia V. Duodenal gastrinoma: A diagnostic dilemma. *Am J Surg* 2009 Feb 20. [Epub ahead of print].
2. Misra MC, Bhowate PD, Bansal VK, Kumar S. Massive Scrotal Hernias: Problems and Solutions. *J Laparoendosc Adv Surg Tech A* 2009 Jan 15. [Epub ahead of print]
3. Gupta A, Gupta E. Challenges in Organizing Trauma Care Systems in India. *Indian J of Community Med*; Jan 2009.
4. Gupta A, Peckler B, Schoken D. Introduction of hi-fidelity simulation techniques as an ideal teaching tool for upcoming emergency medicine and trauma residency programs in India. *J Emerg Trauma Shock* 2008;**1**:15–8
5. John Bera, S.Bhoi. Assessment of Duration of Emergency department Stay, Admission and Transfer –Out Rates in Patients Presenting with Orthopaedic Injuries in a Level 1 Trauma Centre. *Prehospital and Disaster Medicine* 2009;**24**: No 2, 3.

AWARDS /HONOURS

Dr Babita Gupta

- Successfully completed ‘ACLS Instructor Course’; September 2008.
- Successfully completed the ‘Indo-Israel Mass Casualty Training Course’, Israeli Team October, 2008.
- Successfully completed ‘ATLS’ instructor course conducted by American Heart Association in Fijirah, UAE; October–November 2008.

Dr Chhavi Sawhney

- Compiled Book on Basic Emergency Care.
- BLS and ACLS training: Provider as well as instructor course done.

Dr Sanjeev K Bhoi

- Academic Secretary: Indo-US Emergency Medicine Summit 2008, Mangalore www.indusem.com
- Co-Director: **Emergency Medicine and Trauma Education Centre for Health**
- Assistant Editor: *Journal of Emergencies, Trauma and Shock*
- <http://www.onlinejets.org/editors.asp>
- Member Editorial Board: Cases Journal <http://www.casesjournal.com/edboard/default.asp#Editor%2Din%2DChief>
- Reviewer: *Journal of Paediatric Infectious Disease, Emergency Medicine Journal, Journal of Emergencies, Trauma and Shock*

Dr Shefali K. Sharma

- Member of the Scientific Committee and Core Group for forming Consensus Recommendations on Adult Immunization in India

- Advanced HAZMAT Life Support, Provider course, March 2009.
- Indo-US Emergency Ultrasound Workshop, New Delhi, January 2008.

Dr Vinay Gulati

- Reviewer: *Indian Journal of Chest Diseases and Allied Sciences*
- Member of the Scientific Committee and Core Group for forming Consensus Recommendations on Adult Immunization in India
- Member Editorial Board: Adult Immunization, published March 2009
- Organizing Secretary: Annual conference of department of Medicine, Medicine Update, August 10, 2008, AIIMS, New Delhi
- Advanced HAZMAT Life Support, Provider and Instructor course; March 2009.
- Indo-US Emergency Ultrasound Workshop, New Delhi; March 2009

Dr Adarsh Kumar

- ‘Future trends in medico legal documentation—pros and cons of virtopsy’ was adjudged one of the best poster at International Conference SAFCON–2008; 10–12 October 2008.

Dr Sanjeev Lalwani

- Awarded Fellowship, ICFMT- 2008, SAFCON-2008
- Award for Meritorious Performance, Presented a Scroll of Honour, Pakistan Society of Forensic Medicine and Toxicology, Professor Mian Abdul Rashid, Pakistan, SAFCON 2008.
- Member, Indian Society of Trauma and Acute Care.
- Associate Editor and Reviewer of articles- *International Journal of Medical Toxicology and Legal Medicine*.
- Deputy Executive Editor and Reviewer of Articles—*Journal of Forensic Medicine and Toxicology*.
- Article Reviewer, *Indian Police Journal*.
- Medico-legal assistance for Cadaver donation of ‘Liver and kidneys at JPNATC’.

Teaching experience

- Undergraduate and postgraduate teaching, AIIMS.
- Participation and Organization of numerous training lectures and autopsy demonstration for participants from
- LNJNI National Institute of Criminology and Forensic Sciences, Delhi
- CBI Academy Ghaziabad
- Delhi Judicial Academy, Delhi
- Amity University, Delhi

- Delhi Police (HRD Cell), CR Park, Delhi
- Delhi Police Training School, Jharoda Kalan, Delhi

Dr Deepak Agrawal

- Awarded the ‘CSNS young neurosurgeon of the year-2008’ award by the American Congress of Neurological surgeons (CNS) for indigenization of fiducials for image guided neurosurgery.
- Received best paper award for co-authoring the study titled ‘Effect of PEEP on CVP in ventilated patients’, DNACON, AIIMS, New Delhi; 7–8 February 2009.
- Awarded the AK Banerjee award for best paper in Neurotrauma for co-authoring the study titled ‘CSF lactate with CSF sugar compared with conventional CSF analysis in suspected postoperative meningitis: A prospective controlled study’, Trauma 2008, New Delhi; 29–30 November 2008.
- Awarded the AK Banerjee award for best paper in Neurotrauma for co-authoring the study titled ‘Papilloedema as a non-invasive marker for raised intra-cranial pressure post decompressive craniectomy in patients with severe head injury’, Trauma 2008, New Delhi; 29–30 November 2008.
- Awarded the ‘V.S. Mehta award for best research in cranio-spinal trauma’ for co-authoring the study titled ‘Leukocytosis after routine cranial surgery: A potential marker for brain damage in intracranial surgery’, Trauma 2008, New Delhi; 29–30 November 2008.

Dr Deepak Gupta

Invited speaker in conference

- Chaired session on Posterior fossa lesions in 9th European skull base surgery congress, Rotterdam, Netherlands; 2009.
- Intratumoral immunotherapy in high grade gliomas: A single Institution experience in Delhi Neurological association conference, AIIMS, New Delhi; 7–8 February 2009.
- Penetrating gun shot injuries in civilian practice: Outcome prognosticators. National neurotrauma conference, Bhubaneswar, Orissa, August; 2008.
- Management of Cervical spine injuries: Indian society of Trauma and Acute Care; November 2009.
- Neurotrauma workshop on ICP monitoring and Spinal instrumentations in ISTAC; November 2009.

Scholarships

- World federation of neurological sciences and World international initiative committee fellowship for attending Middle East Workshop, Amman, Jordan; (7–9 January 2009).
- ISPN (International Society of Paediatric Neurosurgery) travelling fellowship for attending 33rd ISPN congress, Capetown, South Africa; 12–16 October 2008.
- Karl Storz stipendia and fellowship for attending 9th European skull base Surgery Congress, Rotterdam, Netherlands; 2009.

Executive committee membership

- Executive committee Member, National Neurotrauma Society, India.
- Executive committee member, Delhi Neurological Association, India.

Dr Sumit Sinha

Fellowships

- ‘Cerebrovascular, Skull base, Spine, Cadaveric dissection and Endovascular neurosurgery’, Fujita Health University (Programme Director- Professor Hirotooshi Sano); 18 August 2008 – 18 November 2008.

Memberships

- Member of Skull Base Surgery Society of India (SBSSI)
- Member of Indian Society of Paediatric Neurosurgery (ISPN)
- Member of Asian Conference of Neurological Surgeons (ACNS)
- Member of International Society for Brachial Plexus and Peripheral Nerve Injury (ISBPPNI)
- Member of AO Spine Surgeons International
- Member of Association of Spine Surgeons of India (ASSI)
- Member of Neurotrauma Society of India (NTSI)
- Member of American Association of Neurological Surgeons (AANS)
- Member of Congress of Neurological Surgeons (CNS)
- Member of National Neurotrauma Society (NTS)
- Member of American Spinal Injury Association (ASIA)

Dr John R. Bera

- Invited as faculty for the discussion of Osteo Arthritis of joints, the treatment and prevention in Lok Sabha TV; 10 September 2008.
- Invited as faculty for the discussion of Spinal Injury in patients, the treatment available now, the future perspective in advances in treatment and the Rehabilitation in Lok Sabha TV program; 12 December 2008.
- Awarded Life Membership, World Association for Disaster and Emergency Medicine, USA.
- Awarded Life Membership, Indian Society for Trauma and Acute Care (ISTAC).

Dr Vijay Sharma

- Life Member, Punjab Orthopaedic Association 2009.

Dr Vivek Trikha

- Johnson *n* Johnson IOA Traveling Fellowship, the most prestigious inland fellowship awarded by the Indian Orthopaedic Association; December 2008–January 2009.

Dr Shivanand Gamanagatti

- Editorial Member of International Journal of Bio Sciences and Technology
- Editorial Member of International Journal of Medical Sciences and Technology
- Editorial Member of International Journal of Life Sciences and Technology
- Editorial member of International Journal of BioSciences, Alternative and Holistic Medicine (IJBSAHM)
- Editorial member of International Journal of Biological Sciences and Technology (IJBLST)
- Editorial member International Journal of BioSciences, Psychiatry and Technology (IJBSPT)

Dr Amit Gupta

- Awarded the Indian Council Medical Research (ICMR) International Fellowship, for Young Bio-Medical Scientists 2007–2008. Application of Hi Fidelity Simulation in Trauma and Acute Care Education. Tampa General Hospital and University of South Florida, Tampa, Florida, USA.
- Qualified the Advanced Trauma Life Support Course ATLS® of American College of Surgeons – Committee on Trauma. USF, USA
- Member Committee to draft the EMS Legislation for Government of NCT Delhi. Under the Emergency Medical Council, Government of NCT Delhi.
- Member (Technical), Project Review Committee. PPP Project for Ambulance Services in Delhi. Government of National Capital Territory (NCT), Delhi.
- Member (Technical), Core Committee: Centralized Accident and Trauma Services (CATS) Government of National Capital Territory (NCT), Delhi
- Member, Proposal Review Committee for the PPP Project of the Pre-Hospital Emergency Medical Response (Ambulance) Service. Government of National Capital Territory (NCT), Delhi
- Member, CBRN co-ordination committee, National Disaster Management Authority, Government of India.
- Awarded membership, World Association for Disaster and Emergency Medicine (WCDEM), USA.

Dr Biplab Mishra

- Nominated by Ministry of Health and Family Welfare, Government of India to attend Advanced Trauma Life Support (ATLS), Provider and Instructor courses, Fujairah Hospital, Fujairah, UAE; 30 October – 4 November 2008.
- Nominated by AIIMS to attend 2nd Indo-Israel international course on ‘Trauma System and Mass Casualty Management’, JPN Apex Trauma Centre, AIIMS and supported by MASHAV, Ministry of External Affairs Israel; 18–27 November 2008.
- Shaurya Puraskar – awarded by HR Entertainment, Mumbai, in appreciation for the exemplary performance and bravery; 17 January 2009.

Dr Maneesh Singhal

- Nominated by Ministry of Health and Family Welfare, Government of India, to attend Advanced Trauma Life Support (ATLS) Provider and Instructor courses, Fujairah Hospital, Fujairah, UAE; 30 October – 4 November 2008.
- Nominated by AIIMS to attend 2nd Indo-Israel international course on ‘Trauma system and mass casualty management’, JPN Apex Trauma Centre, AIIMS and supported by MASHAV, Ministry of External Affairs Israel; 18–27 November 2008.

Dr Subodh Kumar

- Nominated by Ministry of Health and Family Welfare, Government of India to attend Advanced Trauma Life Support (ATLS) Provider and Instructor courses, Fujairah Hospital, Fujairah, UAE; 30 October– 4 November. 2008.
- National Programme Coordinator, ATLS–India programme
- Member, CBRN co-ordination committee, National Disaster Management Authority, Government of India.
- Awarded membership, World Association for Disaster and Emergency Medicine (WCDEM), USA.
- Awarded life membership, Indian Medical Association.

Dr Sushma

- Member, Editorial board, AIIMS annual report
- Member, Editorial board, Journal of Society for Wound Care and Research (JWSCR)
- Awarded membership, World Association for Disaster and Emergency Medicine (WADEM)
- Awarded membership, European Society for Trauma and Emergency Surgery (ESTES)
- Examiner, AIIMS undergraduate professional examinations
- Awarded certificate of Education, 2nd Annual Emergency Sonography Course, an Indo- US Emergency and Trauma Collaborative, AIIMS, 2–4 March 2009.

SIGNIFICANT EVENTS

‘Trauma 2008’

International conference, CME cum Live Workshop and Inaugural conference of the Indian Society Trauma and Acute Care (ISTAC)

28–30 November 2008

J.P.N. Apex Trauma Centre at AIIMS aims to provide quality trauma patient care facilities, which can act as a role model to other trauma centres of the country. More than providing best patient care facilities the role of this apex trauma centre has been envisaged as an apex research and training institution which will help the nation’s administrators to formulate policies regarding organization of trauma care facilities throughout the country.

Training of manpower in Acute Care and pre-hospital services should be taken on priority. Proper organization and administration of trauma Services along with Legislative backup will go a long way in strengthening India's Essential Trauma Care Services. Keeping this in mind 'Trauma 2008'—an International Conference, CME cum Live Workshop and Inaugural Conference of the Indian Society for Trauma and Acute Care (ISTAC[®]) was organized under the chairmanship of Prof. M.C. Misra.

The theme of the conference was 'Resuscitation to Rehabilitation'. The conference was inaugurated by the chief guest Lt. Governor Hon'ble Shri Tejendra Khanna. The main attraction of the inauguration ceremony was a panel discussion on 'Injury prevention and Road Safety' by eminent panelists representing all sections of the society. All the specialists working in the field of trauma were brought under one roof. This was for the first time that a conference dedicated to trauma care was organized under the leadership of Apex Trauma centre AIIMS. Seven workshops (ABCD, Maxillo-facial, Trauma radiology, Neurosurgery, Cost-effective computerization in hospital, Trauma nurse- coordinator and Physiotherapy workshops) interactive lectures, symposia, and panel discussions were attended by more than 700 delegates and 100 international and national faculties. Trauma nurse coordinator workshop and Physiotherapy workshop were the highlights of the conference and were especially organized for the first time to spread a message about holistic care of a trauma victim. Postgraduate medical students, nurse and technicians were awarded for best paper presentations. The conference was considered a huge success as reflected by the feedback forms received from delegates.

PATIENT CARE

Department of Anaesthesia

Total number of cases under Anaesthesia

Total cases	3761
Orthopaedics	1470
Surgery	1044
Neurosurgery	1247

Total number of patients treated in general ICU

Total admissions	284
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DEPARTMENT OF EMERGENCY MEDICINE

1. 30-bedded divided into red area, yellow and green area
2. 7 Resuscitation bay including paediatric resuscitation bay
3. Each bay is equipped with its monitor
4. Protocol-based treatment
5. Trained manpower
6. Emergency sonography
7. ABG

8. Fluid warmer
9. Minor OT
10. Plaster room
11. Ultrasound guided Nerve Blocks ,Vascular access and ocular Ultrasound in the ED (By Emergency Physicians)

DEPARTMENT OF SURGERY

• Total patients attended ED	37,177(4–5 patients /hr)
• Total surgical patients attended ED	21,456
• Total patients who stayed < 24 hrs	19,226
• Total surgical cases admitted(>24hrs)	1,128
• Operative procedures done under anaesthesia	971
• Mortality rate: 55/1128	(4.4%)
• Follow up OPD attendance	6547

DEPARTMENT OF RADIOLOGY

Routine X-rays

S. No.	X-rays	Number
1.	Portable X-rays	11,645
2.	Casualty X-rays	51,541
	Total routine X-rays	63,186

II. Special Investigations

S. No.	Investigation	Number
10.	Digital subtraction angiography	50
14.	MRI	1,576
15.	Ultrasound + Doppler	5,191
20.	CT	16,375
	Total	23,192
	Grand total	63,186 + 23,192 = 86,378

New equipment

Digital subtraction angiography (DSA)

DEPARTMENT OF LABORATORY MEDICINE

Tests conducted in the Department of Laboratory Medicine, JPNA Trauma Centre

1. Haematology

Hemoglobin	17,856
Total leukocyte count	14,453
Differential count	8,471
HCT	14,180
RBC	9,941
MCH	8,469
MCHC	8,469
MCV	8,469
RDW	8,469
Platelet count	14,441
Reticulocyte count	34
ESR	1,436
Peripheral smear	65
Total	1,16,851

Coagulation

PT	9,929
APTT	9,241
TT	1,052
Fibrinogen	333
D-dimer	373
Total	20,928

Fluid tests

Urine routine	605
Fluid routine	576
Total	1181
<u>Grand total</u>	<u>1,38,960</u>

2. Biochemistry

Total	2, 09,508
Sugar	4497
Urea	23,423
Creatinine	17,718
Calcium	10,446
Phosphate	9285
Uric acid	7397
Sodium	23,134
Potassium	23,134
TBIL	13,644
DBIL	13,603
TP	7594
ALB	8,882
AST	9,239
ALT	9,222
ALP	9,253
AMY	3,051
CK	14
CKMB	22
CRP	207

Lipid Profile

CHOL	2,925
HDL	1,725
LDL	1,726
TG	1,729
VLDL	1,729

Fluids

CSF sugar	785
CSF M-TP	785
Peritoneal sugar	256

Peritoneal M-TP	271
Urine sugar	755
Urine M-TP	755

3. Microbiology

A. Total bacterial cultures:	8664
<u>B. Antibiotic sensitivity</u>	
By VITEK	1,718
By Disc diffusion	1,718
Total	3,436
C. HIV serology:	286
D. Hepatitis B serology:	255
E. Hepatitis C serology:	196
Viral Markers Total	737
F. Hospital Infection surveillance cultures:	1467
Microbiology Grand Total	12,837
Grand Total	3,62,772

DEPARTMENT OF BLOOD BANK

Total Statistics of Blood Bank JPNATC						
Total donor screened	Donor bled	Donor Tested for HIV	Donor Tested for HBV	Donor Tested for HCV	Donor Tested for VDRL	Donor Tested for MP
9241	5973	5973	5973	5973	5973	5973
		% Pos 0.45%	% pos 2%	% Pos0.6%	% pos 1.25%	%Pos 0.06%
Total X-match done	Total Blood issued	Total FFP issued	Total platelet issued	Total cryo issued	Total donor grouping done	Total patient grouping done
18,518	8128	5783	5649	313	17919	8000

Blood and blood component stock

Total blood stock record	6901
Total FFP stock record	5533
Total platelet stock record	4701

Total cryoprecipitate stock record 221

Work load of blood donation complex from 28th March 2008 to 31 March 2009

Total number blood donors screened 9,241

Total number of donors found unfit for donation 3,227

Total number blood donors bled 5,973

Number of replacement donors 5,477

Number of voluntary blood donors 496

Work load of issue (emergency lab) of JPNATC Blood Bank AIIMS

Total cross match done 18,518

Total blood issued 8,128

Total FFP Issued 5,783

Total platelet issued 5,649

Total cryoprecipitate issued 313

Work load of component laboratory

Total pack RBC prepared 5,961

Total FFP prepared 5,905

Total platelet prepared 5,580

Quality control of Blood and Blood Component 40 Bags

Blood and blood component issued to main blood bank, CNC blood bank and other hospitals

Blood issued to CNC blood bank 219 units

Blood issued to main blood bank 151

Blood issued to other hospital 08 units

FFP issued to main blood bank 25 units

FFP issued to other blood bank 52 units

Platelet issued to main blood bank 2217 units

Cryoprecipitate issued to main blood bank 10 units

Work load of infection marker laboratory Percentage of reactive blood donor

HIV	0.45%	HBsAg	2%		
HCV	0.6%	VDRL	1.25%	MP	0.06%

Record of blood sent for incineration (Blood and FFP)

Platelet units sent for Incineration due to viral marker reactive report, leakage, lipeamic plasma units and expired units

Total blood sent for incineration	556 units
Total FFP Sent for Incineration	596 units
Total platelet sent for incineration	922 units
Total cryoprecipitate sent for incineration	49

DEPARTMENT OF FORENSIC MEDICINE

Total number of autopsy at JPNATC- 893 (April 2008 – March 2009)

The department provided consultation services to the CBI, crime branch and other investigating agencies from various states in complicated medico-legal postmortem conducted at other centres of the country and also participated in board postmortems.

Court attendance by the members of the department

Faculty of the department also attended court on behalf of the Medical Superintendent, other doctors who have left AIIMS, as directed by the court.

Clinical Forensic Medicine

The department examined cases of age estimation, medical examination, marriage disputes, potency, DNA fingerprinting etc referred by the court, CBI and other investigating agencies.

Community services

The department participated in training programme organized by the Academy of CBI and NICFS. Lectures and demonstrations were held for CBI officials, police officers, medical officers, judges public prosecutors and Forensic Science experts from all over country.

MEDICAL RECORD SECTION

Faculty In-Charge: Dr Adarsh Kumar

Jr M R O

Mr Raju Yohunna

M R T

Mr Saurabh

Mr Aditya

M R A

Mr Rajender Singh and Mr Tasvir Singh

Receptionists

Mr Shailendra Jaiswal

Ms Kakujyoti Borha

Beside above mentioned regular staff few DEO and Sulabh workers are also helping in day-to-day management of various functioning of medical record section. The statistical data for the period is as under.

Total ED attendance	42,050
Total Number of admissions	4,640
Total number of operations performed	3,978
Total number of follow-up OPD attendance	23,359

MRS of JPNATC is the first Government Hospital who has started Online registration of death at NDMC.

MRS is also disposing of summons from various Hon'ble Courts in Delhi as well as other states (total 16 summons). MRS is also handling various Insurance Policy matters of patients who attended JPNATC in any case whether alive or dead. MRS has also entertained police requests for issuing x-rays. During Mehrauli Bomb Blast episode, the MRS efficiently handled various information pertaining to deceased as asked by Delhi Government for proper compensation. Several RTI queries were also answered by MRS during the year. MRS is striving for computerization of whole registration process.

MEDICAL SOCIAL WELFARE UNIT

Faculty In-Charge	Sup. MSSO	MSSO
Dr Adarsh Kumar	Mr S. Bhattacharya	Mr Naveen Kumar

The MSW Unit was developed with the help of one MSSO and afterwards one Sup. MSSO and one NGO, i.e. SAPNA. Initially the primary work was providing financial help, medicines, clothes, etc. to poor and needy patients by certifying as 'BPL' which afterwards extended to rehabilitation of unknown and without attendant patients. During the period of reporting 46 such patients was rehabilitated at various Ashrams/ Shelter Homes and 413 patients were handed over to their relative by following various administrative procedures.

Afterwards with the help of various agencies like CISF, CRPF and companies; Blood Donation Camps were arranged for Blood Bank of JPNATC. First camp was organized on occasion of Teacher's Day (5 Sept 2008) and afterwards two more camps were organized with approximately 100 units of donations.

MSW Unit is coordinating with CMET and Sr Administrative Officer for providing information to various media agencies, TV channels in case of Unknown patients.

MSW Unit is coordinating with IHBHAS in rehabilitation of mentally ill (Psychiatric) patients, who were admitted as victim of trauma.

MSW Unit arranged to get One Dead Body donated for teaching purpose to Department of Anatomy