Curriculum Vitae Dr. Amit Gupta

NAME	POSITION TITLE
Gupta, Amit	Additional Professor of Surgery, Division of Trauma Surgery & Critical Care, J.P.N. Apex Trauma Center, All India Institute of Medical Sciences, INDIA

EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	YEAR(s)	FIELD OF STUDY
G.S.V.M. Medical College, Kanpur, India	MBBS	1993	Bachelor of Surgery and Bachelor of Medicine
King George's Medical College, Lucknow, India	M.S.	1997	Master of Surgery
University of South Florida and Tampa General Hospital, Tampa, FL, USA	Fellowship (ICMR - IF)	2008	Simulation in Trauma and Acute Care Education
American College of Surgeons	FACS	2012	Fellow of the American College of Surgeons
International College of Laparoscopic Surgeons	FCLS	2012	Fellow of the International College of Laparoscopic Surgeons

Positions and Employment:

1. **Additional Professor of Surgery: J.P.N. Apex Trauma Center**, All India Institute of Medical Sciences, New Delhi, India. 01.07.2012 – Till Date

2. **Associate Professor of Surgery: J.P.N. Apex Trauma Center**, All India Institute of Medical Sciences, New Delhi, India. 01.07.09 – 30.06.2012

3. **Assistant Professor of Surgery: J.P.N. Apex Trauma Center**, All India Institute of Medical Sciences, New Delhi, India. 23.09.05 – 30.06.09

4. **Assistant Professor of Surgery: Division of Emergency Medicine** (Casualty), All India Institute of Medical Sciences, New Delhi, India. 05.10.02 –22.09.05

5. **Senior Resident/ Registrar: Department of Surgical Disciplines**, All India Institute of Medical Sciences, New Delhi, India. 02.09.99 -01.09.02

6. **Senior Resident/ Registrar: Division of Emergency Medicine** (Casualty), All India Institute of Medical Sciences, New Delhi, India. 03.11.98 - 01.09.99

7. **Senior Resident/ Registrar: Department of Surgery**, King George's Medical College, Lucknow, India. 11.12.97 - 29.10.98

8. **Clinical Fellow/Observer:** Unit of Endocrine Surgery, Department of Surgery, King George's Medical College, Lucknow, India. 20.05.97 - 10.12.97

9. **Resident Surgeon:** Department of Surgery, King George's Medical College, Lucknow, India. 20.05.94 - 19.05.97

10. **Intern:** L.L.R. & Associated Hospitals, G.S.V.M. Medical College, Kanpur, India. 31.03.93 - 30.03.94

Extra- Academic Positions in National Bodies and Institutions

1. **Member: (RTAG-RTS)** Regional Technical Advisory Group on Road Traffic Safety – WHO South East Asian Region Office. 2015 onwards.
2. **Member: Expert Committee** to draft the competency based curriculum for M.S.(Traumatology and Surgery/ Trauma & Acute Care Surgery), Medical Council of India, 2015-16.
3. **Member:** Technical sub-committee members for developing National Trauma System Plan, Dte. General of Health Services, MoHFW, Govt. of India.2014 - 15
4. **Regular Member:** H-1 Committee: Transport Planning, Traffic Engineering of the Indian Roads Congress 2015-17 (3 years)
5. **Member Core Committee:** National Disaster Management Guidelines – Medical Preparedness & Mass Casualties Management (NDMG-MPMCM). **National Disaster Management Authority**, Government of India.
6. **Member Board of Studies.** Department of Simulation Medicine, SRM University, Tamil Nadu, India. 2012.
7. **Member Core Group:** National guidelines for Pre-hospital trauma care and management of trauma victims. WHO and Min. of Health and Family Welfare, Govt. of India. 2011
8. **Member, Committee to draft the 12th Five year Plan for Trauma Care Services** (Min of Health and FW), under the Directorate General of Health Services, Govt. of India. 2011
9. **Member, Committee to draft the Plan of Action for the UN Decade on Road Safety(2011-2021),** under the Directorate General of Health Services, Govt. of India. 2011
10. **Member of Expert Committee** for Evaluation of Expression of Interest for development of integrated emergency response system (i-ERMS) for management of CBRN emergencies. Institute of Nuclear Medicine & Allied Sciences, Delhi, India. 2011
11. **Member, Committee to review Post – Doctoral Course in Trauma Surgery,** under chairmanship of Addl. DGHS, Directorate General of Health Services, Govt. of India. 2009
12. **Member, working group** for development of Training program in Disaster Medicine for doctors. An ICMR – NDMA Initiative 2009 - 10.
13. **Chairman, Technical committee to review and grade Emergency Services of Delhi Hospitals,** under the Emergency Medical Council, Govt. of NCT Delhi. 2009 – 10.
14. **Member Committee to draft the EMS Legislation for Govt. of NCT Delhi.** Under the Emergency Medical Council, Govt. of NCT Delhi. 2009
15. **Member (Technical) Project Review Committee. PPP Project** for Ambulance Services in Delhi. Government of National Capital Territory (NCT) of Delhi. 2008-09
16. **Member Technical Core Committee:** Centralized Accident and Trauma Services (CATS) Government of National Capital Territory (NCT) of Delhi.
17. **Member Consultative Committee:** Pre-Hospital Emergency Care Ambulatory Services for Delhi State. Under Centralized Accident and Trauma Services (CATS) Government of National Capital Territory (NCT) Delhi.

Extra- Academic/ Administrative Positions at AIIMS

1. **Spokesperson,** All India Institute of Medical Sciences. Jan 2014 – till date
2. **Member Secretary:** Engineering Advisory Committee, AIIMS. Jan 2014 – till date
3. **Member:** Committee for Institute Intra-mural Grant, Research Section, AIIMS. Jan 2014 – till date
4. **Member Secretary:** Horticulture Committee, AIIMS. Jan 2014 – till date
5. **Chairman: Store Purchase Committee,** JPNATC, AIIMS. 2014 – till date
6. **Co-Chairman:** Committee to oversee the Phase –II construction of JPNATC, AIIMS
7. **Chairman, Technical core committee**, JPN Apex Trauma Center, All India Institute of Medical Sciences, New Delhi, India.2012-to 2014
8. **Co-chairman, Technical core committee**, JPN Apex Trauma Center, All India Institute of Medical Sciences, New Delhi, India.2007-2012
9. **Faculty In-Charge,** Trauma Registry and Trauma Nurse Coordinator System, JPN Apex Trauma Center, AIIMS (April 2009 – to date)
10. **Faculty In Charge,** Advanced Trauma Skills and Simulation Laboratory (ATSSF), JPN Apex Trauma Center, AIIMS (April 2009 – to date)
11. **Faculty In Charge,** Vehicles and Transportation, JPN Apex Trauma Center, AIIMS (2007 – to date)
12. **Faculty In Charge,** Sanitation, JPN Apex Trauma Center, AIIMS (2007 – to date)

Fellowships and Awards:

1. **Awarded the** Distinguished Invited Lecturer award: Annual Scientific Congress of the Royal Australasian College of Surgeons, Singapore – **2014**
2. **Awarded the Dr. Kini Memorial Oration – 2012** of the Indian Association of Traumatology & Critical Care (A section of Association of Surgeons India)
3. Awarded the **FACS - Fellowship of American College of Surgeons, USA**. September 2012.
4. Awarded the Short Term Visiting **Fellowship from University of Michigan, Ann Arbor, MI, USA** for advancements in trauma care as collaborative between University of Michigan Medical School and JPN Apex Trauma Center, AIIMS. June-July 2012.
5. Awarded the **Fellowship of the International College of Laparoscopic Surgeons (FCLS)**. March 2012
6. Awarded the **WHO Travel fellowship** to attend the 3rd International Training Program on Pre-hospital Care, 11th – 14th October 2011 at the Trauma and Critical Care Center, Khon Kaen Regional Hospital, Khon Kaen, Thailand.
7. Awarded the **Indian Council Medical Research - ICMR International Fellowship for Young Bio-Medical Scientists for the year 2007-2008**. Application of Hi Fidelity Simulation in Trauma and Acute Care Education. Tampa General Hospital and University of South Florida, Tampa, Florida, USA. Duration 6 months.
8. Successfully completed the **University of South Florida Emergency Medicine Simulation Fellowship**, April 1, 2008 – September 30, 2008.
9. Awarded the **Visiting Fellowship** of Trauma Surgery at the R Adams Cowley Shock Trauma Center, University of Maryland, Baltimore, USA. Sep 2008.
10. Awarded the **Visiting Fellowship,** Trauma and Surgical Critical Care at the Regional Trauma Center (Level-I), July-Sep 2008, Tampa General Hospital, Tampa, Florida, USA.
11. Awarded the **MASHAV Fellowship** (Israel's National Agency for International Development Cooperation) for Trauma and Mass Casualty Management Course held at the Teaching Center for Trauma, Emergencies and MCS, Rambam Health Care Campus, Haifa Israel. December 2007.
12. Awarded the **DBT Travel Fellowship** (Department of Biotechnology, Govt. of India), for Indo-Israeli Trauma and MCS Management Course, December 2007.
13. Awarded the **ADPC-USAID Fellowship** (Asian Disaster Preparedness Center) to attend and Pre-Test the HOPE Course (Hospital Preparedness in Emergencies Course) held at Pattaya, Thailand. March 2003.

14. Awarded **Best Paper Award** at Trauma 2009, International conference, CME cum Live Workshop & Second Annual Conference of the Indian Society Trauma and Acute Care (ISTAC) Nov. 2009, for oral presentation Neeraj Gupta, Subodh Kumar, Biplab Mishra, **Amit Gupta**, Maneesh Singhal, Sushma Sagar; Cardiac injury- Our experience at level 1 Trauma Center.
15. Awarded **Best Paper Award** at Trauma 2008, International conference, CME cum Live Workshop & Inaugural conference of the Indian Society Trauma and Acute Care (ISTAC) Nov. 2008. for oral presentation Saurabh G, Sagar S, Singhal M, Sagar R, **Gupta A,** Kumar S, Mishra B, Misra MC. Successful microsurgical Penile Replantation following Self amputation in a Patient with Psychosis.
16. Awarded **Best Paper Award** at 6th Annual Conference and continuing Urological Education (CUE) organized by urological Society of India (North Zone Chapter) held at Christian Medical College, Ludhiana on 2nd and 3rd November 1996

Affiliations to Professional Bodies and Societies

1. **Member:** International Society of Surgery/ Societe' Internationale' de Chirurgy **(ISS/SIC)**
2. **Member:** International Association of Trauma Surgery and Surgical Intensive Care **(IATSIC)**
3. **Member :** World Association of Disaster and Emergency Medicine **(WADEM)**
4. **Executive Member:** Academic Council for Emergency and Trauma **(ACET).** Indo-US Emergency and Trauma Collaborative. A collaborative between Division of Emergency Medicine, AIIMS; Division of Emergency Medicine, USF, USA and State University of New York Downstate, New York, USA.
5. **Founder Secretary**: Indian Society of Trauma and Acute Care **(ISTAC)**
6. **Founder Member:** Indo-Israeli Trauma Education Initiative. A collaborative between Teaching Center for Trauma Emergencies and Mass Casualty Incidents, Rambam Health Care Campus, Haifa, Israel and The JPN Apex Trauma Center, All India Institute of Medical Sciences.
7. **Member:** Association for Trauma Care of India **(ATCI)**
8. **Executive Member**: Indian Hernia Society **(IHS)**
9. **Member**: Society for Laparoscopic and Endoscopic Surgeons of India **(SELSI)**
10. **Founder Member**: International College of Laparoscopic Surgeons (ICLS)

Organization and Teaching experience outside regular Duties

1. **Course Director:** Advanced Trauma Life Support Course **ATLS®** of American College of Surgeons – Committee on Trauma. ATLS-India Program.
2. **Faculty:** Advanced Trauma Life Support Course **ATLS®** of American College of Surgeons – Committee on Trauma. ATLS-India Program.
3. **Faculty:** Course on Preparedness for Emergency Response to CBRN Casualties – Developed by DRDE, Gwalior and National Disaster Management Authority, Govt. of India.
4. **Faculty:** Basic Plastic and Reconstructive Surgery Course in Trauma **(BPRS Course)** – Developed by Department of Trauma Surgery, JPN Apex Trauma Center, AIIMS, New Delhi, India.
5. **Faculty: Management of Acute Wounds in Emergency Course (MAWE) –** Developed by Department of Trauma Surgery, JPN Apex Trauma Center, AIIMS, New Delhi, India.
6. **Instructor: National Trauma Management Course (NTMC)** of AOT - IATSIC - ISS – International Association of Trauma Surgery and Surgical Critical Care.
7. **Instructor**: BLS/ACLS Course of American Heart Association.
8. **Instructor**: ITLS Course of the American College of Emergency Physicians.
9. **Provider**: Qualified as provider for Fundamentals of Critical Care Support Course (FCCS), of the Society for Critical Care Medicine (SCCM), USA.
10. **Provider:** AIIMS Ultrasound Trauma Life Support Course (AUTLS), of AIIMS, India.

11. **Co-Organizing Secretary: GESTS 2016 – India Webcast,** at All India Institute of Medical Sciences, 25th and 26th February 2016.
12. **Scientific Chair: EAS Roundtable** on Trauma Care and Nursing, All India Institute of Medical Science, New Delhi, 15th to 16th October 2015
13. **Member Organizing Committee: Ninth AIIMS Surgical week and Endosurg-2015,** International CME cum Live Workshop. AIIMS and Indian Hernia Society and SELSI. March 2015
14. **Member Organizing Committee (Scientific Chair): TRAUMA 2014**, International Congress, CME cum Live Workshop & Seventh Annual conference of the Indian Society Trauma and Acute Care (ISTAC) Nov. 2014.
15. **Member Organizing Committee: Eighth AIIMS Surgical week and Endosurg-2014,** International CME cum Live Workshop. AIIMS and Indian Hernia Society and SELSI. March 2014
16. **Member Organizing Committee (Treasurer):** TRAUMA 2013, International Congress, CME cum Live Workshop & Sixth Annual conference of the Indian Society Trauma and Acute Care (ISTAC) 7th to 10th Nov. 2013.
17. **Joint Organizing Secretary: Seventh AIIMS Surgical week and Endosurg-2013,** International CME cum Live Workshop. AIIMS and Indian Hernia Society and SELSI. March 2013.
18. **Member Organizing Committee:** TRAUMA 2012, International Congress, CME cum Live Workshop & Fifth Annual conference of the Indian Society Trauma and Acute Care (ISTAC) 23rd – 25th Nov. 2012.
19. **Joint Secretary: Sixth AIIMS Surgical week and Endosurg-2012,** International CME cum Live Workshop. AIIMS and Indian Hernia Society and SELSI. March 2012.
20. **Workshop Coordinator,** Workshop on Retrospective Database Analyses for Health Outcomes Assessment, 24th April 2012, Organized by Indian Society for Trauma and Acute Care & JPN Apex Trauma Center, AIIMS, New Delhi.
21. **Scientific Chair –** TRAUMA 2011, International Congress, CME cum Live Workshop & Fourth Annual conference of the Indian Society Trauma and Acute Care (ISTAC) 9th – 13th Nov. 2011.
22. **Workshop Director:** Teaching Scenarios Using Low and Hi-Fidelity Simulation Tools. In TRAUMA 2011, International Congress, CME cum Live Workshop & Second Annual conference of the Indian Society Trauma and Acute Care (ISTAC) 9th – 13th Nov. 2011.
23. **Joint Secretary: Fifth AIIMS Surgical week and Endosurg-2011,** International CME cum Live Workshop. AIIMS and Indian Hernia Society. March 2011.
24. **Workshop Director**: AIIMS Workshop on Disaster and Mass Casualty Management, TRAUMA 2010, Nov. 2010, New Delhi, India
25. **Joint Secretary: Fourth AIIMS Surgical week and Endosurg-2010,** International CME cum Live Workshop. AIIMS and Indian Hernia Society. March 2010.
26. **Congress Secretary**- TRAUMA 2009, International Congress, CME cum Live Workshop & Second Annual conference of the Indian Society Trauma and Acute Care (ISTAC) 12th – 15th Nov. 2009.
27. **Workshop Director**: AIIMS Workshop on Disaster and Mass Casualty Management, TRAUMA 2009, Nov. 2009, New Delhi, India
28. **Workshop Director**: AIIMS Trauma Workshop 2009, Indo-US Emergency Medicine Summit 2009, October 2009, Coimbatore, India
29. **Joint Secretary:** Third AIIMS Surgical week and Endosurg-2009, International CME cum Live Workshop. 13th – 15th March 2009.
30. **Co- Organizing Secretary**- Trauma 2008, International conference, CME cum Live Workshop & Inaugural conference of the Indian Society Trauma and Acute Care (ISTAC) 28th – 30th Nov. 2008.
31. **Course Coordinator (India):** Second Israeli – Indian Course on Trauma System and Mass Casualty management. November – 14th to 26th, 2008. AIIMS, New Delhi India.
32. **Workshop Director**: AIIMS Trauma Workshop 2008, Indo-US Emergency Medicine Summit 2008, October 2008, Mangalore, India.

33. **Course Coordinator (India):** First Israeli – Indian Course on Trauma System and Mass Casualty management. December – 9th to 20th, 2007. Haifa, Israel
34. **Workshop Director**: AIIMS Trauma Workshop 2007, Indo-US Emergency Medicine Summit 2007, October 2007, Nehru Center, Mumbai.
35. **Joint Secretary: First AIIMS Surgical week and Endosurg-2007,** International CME cum Live Workshop. AIIMS and Indian Hernia Society. 26th – 31st March 2007.
36. **Summit Secretary: INDO-US Emergency Medicine Summit 2006** held as a joint venture between AIIMS and University of South Florida USA between 27th September and 1st Oct. 2006 at AIIMS, India.
37. **Workshop Director**: Trauma Alert Assembly, Indo-US Emergency Medicine Summit 2006.
38. **Workshop Director**: Laerdal Workshop on Simulation as an Educational Tool, INDUS-EM Summit 2006, AIIMS. India.
39. **Joint Secretary: Endosurg-2006,** International Conference on Minimal Access Surgery and Inaugural Conference of the Indian Hernia Society. March 2006
40. **Joint Secretary: AMASICON – 2005,** Inaugural International Conference cum Live Workshop of the Association of Minimal Access Surgeons of India, 18th – 20th March 2005, A.I.I.M.S. New Delhi.
41. **Summit Secretary: INDO-US Emergency Medicine Summit 2005**, held as a joint venture between AIIMS and University of South Florida USA between 21st and 23rd Oct. 2005 at AIIMS
42. **Workshop Director:** Trauma Alert Assembly, Indo-US Emergency Medicine Summit 2005. Oct. 2005 at AIIMS
43. **Member Organizing Committee and Treasurer: Emergency Medicine Update 2004 - A National CME**, 30th October 2004, Organized by the Department of Emergency Services, A.I.I.M.S.
44. **Convener: Workshop on Skill Development in Suturing and Knot Tying.** 31st August 2003. Organized on behalf of Division of Emergency Medicine, A.I.I.M.S.

External Examinerships:

1. External Examiner for M.S. General Surgery 2015-16 Thesis evaluation- (Three Thesis Evaluated), University of Delhi (South Campus), India. February 2016.

2. MBBS Final Surgery Practical Examination, King Georges Medical University, Lucknow, India. 23-26th February 2015.

3. MS (General Surgery) Examination of the University of Delhi held at University college of Medical Sciences on 22nd, 23rd and 24th April 2014.

4. MS (General Surgery) Practical Examination, Era's Lucknow Medical College & Hospitals, Dr. R.M.L. Avadh University, Faizabad, U.P., India – 29th March 2014

5. External Examiner for M.B.B.S. Final Professional Surgery Thesis evaluation (Two Thesis Evaluated), C.S.M. Medical University, Lucknow, India, February 2014

6. External Examiner for M.S. General Surgery Thesis evaluation- (Three Thesis Evaluated), University of Delhi (South Campus), India, February 2013

7. External Examiner for M.B.B.S. Final Professional Surgery Practical Examination at the C.S.M.M. University (Erstwhile King George's Medical University), Lucknow, India February 2013

8. External Examiner for M.B.B.S. Final Professional Surgery Thesis evaluation (Two Thesis Evaluated), University of Delhi (South Campus), India, March 2012

9. External Examiner for M.B.B.S. Final Professional Surgery Practical Examination at the Lady Hardinge Medical College, University of Delhi (South Campus), India, December 2011

10. External Examiner for M.B.B.S. Final Professional Surgery Practical Examination at the C.S.M.M. University (Erstwhile King George's Medical University), Lucknow, India March 2010

11. External Examiner for M.B.B.S. Final Professional Surgery Practical Examination at the C.S.M.M. University (Erstwhile King George's Medical University), Lucknow, India September 2009

12. External Examiner for M.B.B.S. Final Professional Surgery Practical Examination at the C.S.M.M. University (Erstwhile King George's Medical University), Lucknow, India March 2009

Affiliation to Medical Journals

1. **Member, Global Advisory Board,** Journal of Emergency Trauma and Shock (JETS), Medknow Publications.
2. **Member, Review Committee, The Clinical Teacher,** Wiley-Blackwell-Synergy Publications
3. **Member, Review Committee, National Medical Journal of India,** AIIMS, India.

Courses Successfully completed for Professional Development

1. **Hospital Preparedness for Mass Disasters (HOPE- Course)** of Asian Disaster Preparedness Center.
2. **Trauma, Emergency and Mass Casualty Management Course** of Teaching Center for Trauma and MCS, Rambam Health Care Campus, Haifa, Israel.
3. **Advanced Trauma Life Support Course (ATLS®)** of American College of Surgeons Committee on Trauma (ACS-COT)
4. **Rural Trauma Team Development Course (RTTDC)** OF American College of Surgeons, Committee on Trauma
5. **Fundamental Critical Care Support Course (FCCS)** of Society for Critical Care Medicine (SCCM, USA)
6. **AIIMS Ultrasound Trauma Life Support Course (AUTLS)**, of AIIMS, India.
7. **International Training Program on Pre-hospital Care,** Trauma and Critical Care Center, Khon Kaen Regional Hospital, Khon Kaen, Thailand.
8. **National Trauma Management Course (NTMC)** of Academy of Traumatology and International Association of Trauma Surgery and Surgical Intensive Care **(IATSIC)**
9. **Basic Trauma Life Support Course** of the American College of Emergency Physicians (ACEP)
10. **Basic Life Support and Advanced Cardiac Life Support Course (BLS/ACLS)** of American Heart Association.

Participation as expert In International and National Forums:

1. ***Expert member:*** *Workshop on Health Sector Action Plan on Road Safety in Bangladesh, 23-24 February 2016, Dhaka. Organized by DGHS Bangladesh and WHO*
2. ***Expert Group Member:*** *Powered Two-Wheeler Safety Conference, Delhi, India | 18-19 February, 2016. Organized by Institute of Road Traffic Education, College of Traffic Management, India.*
3. ***First Meeting of RTAG-RTI WHO – SEAR.*** *Regional Technical Advisory Group- Road Traffic Injuries, Jakarta, Indonesia (WHO). 02nd to 04th December 2015*
4. ***Expert:*** 9th IRF Regional Conference, Road Safety Initiatives: Status And The Way Forward. India Habitat Centre, New Delhi, India, 05th to 06th October 2015
5. ***Regular Member: H-1 Committee:*** *Transport Planning, Traffic Engineering of the Indian Roads Congress 2015-17 (3 years)*

6. ***Member:*** *Ministry of Health and Family welfare Expert committee to do the medical needs assessment in Nepal in the aftermath of the April 2015 earthquake.*
7. ***Member:*** *Technical sub-committee members for developing National Trauma System Plan, Dte. General of Health Services, MoHFW, Govt. of India.*
8. ***Member Core Group*** *on National guidelines for Pre-hospital trauma care and management of trauma victims. WHO and Min. of Health and Family Welfare, Govt. of India. 2011*
9. ***Member, Round Table Workshop on Future Needs of Accident Investigation,*** *organized jointly by the College of Traffic Management (IRTE) and Bureau of Police Research and Development (BPR&D), at the CTM, IRTE, Institutional Area Faridabad on the 17th June 2011.*
10. ***Expert Panelist, Asia Pacific Meeting on Simulation in Healthcare,*** *held from 19th to 22nd May 2011 at Hong Kong, China.*
11. ***Member Round Table Conference on "Action for Road Safety" at*** **Traffic*Inra*Tech *Expo*** *organized on 2-4th February 2011 at New Delhi.*
12. ***Member Expert Group for "Harmonizing Road Traffic Rules and Control Devices based on United Nations Legal Instruments"*** *21st-22nd January 2010, New Delhi*
13. ***Expert Panelist, 'Equipping Hospitals for Emergency Care With Necessary Safeguards & Regulations'*** in **"Healthcare East 2010" – Challenges Ahead** organized by Confederation of Indian Industry (CII) Eastern Region on 28 September 2010, Kolkata**.**
14. ***Visiting Fellow, Trauma Surgery at the R Adams Cowley Shock Trauma Center, University of Maryland, Baltimore, USA.*** *Sep 2008.*
15. ***Visiting Fellow, Trauma Surgery and Surgical Critical Care at the Regional Trauma Center (Level-I),*** *July-Sep 2008, Tampa General Hospital, Tampa, Florida, USA.*
16. ***The Science of Simulation in Healthcare – Defining and developing Clinical Expertise.*** *AEM-Consensus Conference. May 28, 2008. Washington DC.*
17. ***Hospital Preparedness for Mass Disasters (HOPE-Pre-Test).*** *23rd – 27th March 2003, Pattaya, Thailand. Participated as expert from partner country. Asian Disaster Preparedness Center, Bangkok, Thailand.*

PUBLICATIONS

Journals:

1. Roy N, Gerdin M, Ghosh S, **Gupta A**, Kumar V, Khajanchi M, Schneider EB, Gruen R, Tomson G, von Schreeb J. 30-Day In-hospital Trauma Mortality in Four Urban University Hospitals Using an Indian Trauma Registry. World J Surg. 2016 Feb 24. [Epub ahead of print]
2. Babu A, Rattan A, Ranjan P, Kumar S, **Gupta A** (2015) Chylothorax due to Blunt Torso Trauma: A Rare Etiology. J Trauma Treat 4: 243. doi:10.4172/2167-1222.1000243
3. Annu B, Vishal K, Sushma S, Subodh K, **Amit G** (2015) Large Extrapleural Hematoma: A Rare Delayed Presentation after Blunt Thoracic Trauma. J Trauma Treat 4: 241. doi:10.4172/2167-1222.1000241
4. Kapil Dev Soni, Richa Aggarwal, **Amit Gupta**, Pawan Sharma. Is the use of high frequency oscillatory ventilator beneficial in managing severe chest injury with massive air leak?. BMJ Case Rep 2014. doi:10.1136/bcr-2014-204284
5. Kumar P, Singhal M, Sagar S, **Gupta A**. Delayed torrential hemorrhage after firearm injury. BMJ Case Rep. 2014 Apr 15;2014. pii: bcr2013201686. doi:10.1136/bcr-2013-201686. PubMed PMID: 24810442.
6. Maruti Pol M, **Gupta A**, Kumar S, Mishra B. Innominate artery injury: a catastrophic complication of tracheostomy, operative procedure revisited. BMJ Case Rep. 2014 Apr 3;2014. pii: bcr2013201628. doi: 10.1136/bcr-2013-201628. PubMed PMID: 24700033.

7. Goel S, Kumar A, Gamanagatti S, **Gupta A**. Spontaneous resolution of post-traumatic pulmonary artery pseudoaneurysm: Report of two cases. Lung India. 2013 Jul;30(3):203-5. doi: 10.4103/0970-2113.116262. PubMed PMID: 24049255; PubMed Central PMCID: PMC3775200.
8. Nadarajah J, Baliyan V, Yadav AK, Kumar A, Gamanagatti S, Saini A, **Gupta A**. Traumatic pseudoaneurysm of bulbourethral artery managed by coil embolization. Indian J Surg. 2015 Apr; 77(Suppl 1):140-2. doi: 10.1007/s12262-014-1204-5. Epub 2014 Dec 11. PubMed PMID: 25972675.
9. Rajkumari N, Sharma K, Mathur P, Kumar S, **Gupta A**. A study on surgical site infections after trauma surgeries in a tertiary care hospital in north India. Indian J Med Res. 2014, 140; 691-694.
10. Sawhney C, Kaur M, Gupta B, Singh PM, **Gupta A**, Kumar S et al. Critical care issues in solid organ injury: Review and experience in a tertiary trauma center. Saudi J Anaesth 2014(8), S29-35.
11. Mathur P, Tak V, Gunjiyal J, Nair S A, Lalwani S, Kumar S, Gupta B, Sinha S, **Gupta A**, Gupta D, Misra M C. Device-associated infections at a level-1 trauma centre of a developing Nation: Impact of automated surveillance, training and feedbacks. Indian J Med Microbiol 2015; 33: 51-62.
12. Annu Babu, Harshit Garg, **Amit Gupta**, Subodh Kumar, Maneesh Singhal. Traumatic Intraperitoneal Rupture of Urinary Bladder: Imaging and Operative Photographs. Indian Journal of Res. Volume : 4 Issue : 2; Feb 2015
13. Annu Babu, Piyush Ranjan, **Amit Gupta**, Subodh Kumar, Maneesh Singhal. Sports Esophageal Injury – A Case Report. International Journal of Science and Research (IJSR), Volume 4 Issue 2, Feb 2015. ISSN (Online): 2319-7064
14. Jiten Jaipuria, Sushma Sagar , Maneesh Singhal, Amit Bagdia**, Amit Gupta,** Subodh Kumar, Biplab Mishra. Paediatric extremity vascular injuries – Experience from a large urban trauma centre in India. Injury, Int. J. Care Injured 45 (2014) 176–182. doi: 10.1016/j.injury.2013.08.002. Epub 2013 Aug 11. PubMed PMID: 23993647.
15. **Amit Gupta,** Jiten Jaipuria, Amit Bagdia, Subodh Kumar, Sushma Sagar, Mahesh C Misra. Motorised two wheeler crash and helmets- injury patterns, severity, mortality and the consequence of gender bias. World J Surg, DOI 10.1007/s00268-013-2230-3
16. Subodh Kumar, Manjunath Pol, Biplab Mishra, Sushma Sagar, Manish Singhal, Mahesh C. Misra, **Amit Gupta.** Traumatic Diaphragmatic Injury: A Marker of Serious Injury Challenging Trauma Surgeons. Indian Journal of Surgery, September 2013. DOI. 10.1007/s12262-013-0970-9.
17. Sushma Sagar, Subodh Kumar, **Amit Gupta**,Maneesh Singhal, Biplab Mishra. Successful Management of a Case of Primary Cutaneous Mucormycosis in an Immunocompetent Host. Wounds. 2013;25(5):136–140.
18. Subodh Kumar, Biplab Mishra, Asuri Krishna, **Amit Gupta**, Sushma Sagar, Maneesh Singhal, Mahesh C Misra. Non Operative Management of Traumatic Chylothorax. Indian Journal of Surgery. June 2013, Volume 75, Issue 1 Supplement, pp 465-468.
19. Singhal M, Kumar MV, Prakash P, **Gupta A**, Kumar S, Sagar S. Rare case of impalement of two occupants of a vehicle by the same object: insights into the management of complex thoracic impalements. Chin J Traumatol. 2012 Feb 1;15(1):50-3.
20. Chhavi Sawhney, Manpreet Kaur, Biplab Mishra, **Amit Gupta**, Meyong Bhutia. Carinal injury: An airway challenge for anesthesiologists. Saudi Journal of Anaesthesia. January-March 2012; 6(1): 69-72.
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79. Shalini Kondru, **Amit Gupta**, Sanjeev Lalwani, Ashish Jhakal, Sanjay Kumar, Subodh Kumar, Tulsi R. Gupta, Mahesh C. Misra. Railway Track Injury- A Common mode of very severe life threatening injuries. Abstracted in proceedings of Fifth Annual Conference of Indian Society for Trauma and Acute Care- Trauma 2012, AIIMS, Delhi.
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84. **Amit Gupta.** International Perspectives on Trauma Systems: Current Status of Trauma Systems in India and Future Directions. In Abstract book of From Roadside to Recovery – Successful Systems of Trauma Care, Annual Conference of the National Trauma Research Institute, 18-19 November 2011, Melbourne, Victoria, Australia.

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118. **Gupta A**. Organizing Trauma Care Services in India. In Souvenir cum Proceedings of Trauma 2008, International Conference, CME cum Live Workshop, Organized by ISTAC and JPN Apex Trauma Center. AIIMS, New Delhi India 28-30 November 2008. Pg. 17.

119. Saurabh G, **Gupta A**. Simulation Technology as an Ideal Teaching Tool for Imparting Acute Care and trauma education. In Souvenir cum Proceedings of Trauma 2008, International Conference, CME cum Live Workshop, Organized by ISTAC and JPN Apex Trauma Center. AIIMS, New Delhi India 28-30 November 2008. Pg. 117.

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Educational Books Edited

1. **Amit Gupta**, Subodh Kumar. Eds. Handbook of Emergency Trauma Care – In Hospital. As Teaching Module for Pilot Project on Capacity Building in Advanced Trauma Life Support in India. Published by NDMA, Govt. of India. 2012.

2. Subodh Kumar, **Amit Gupta**. Eds. Handbook of Emergency Trauma Care – Pre - Hospital. As Teaching Module for Pilot Project on Capacity Building in Advanced Trauma Life Support in India. Published by NDMA, Govt. of India. 2012.

Chapters in Books

1. **Amit Gupta,** Sajal Halder, Sunil Chumber. Doctor Patient Relationship and Medicolegal Negligence. In Clinical Surgery – A Text and Atlas. Eds. Sunil Chumber. Published by Jaypee The health sciences publisher. First Edn. 2016. ISBN-978-93-5152-679-7
2. **Amit Gupta,** Sajal Halder, Sunil Chumber. Death. In Clinical Surgery – A Text and Atlas. Eds. Sunil Chumber. Published by Jaypee The health sciences publisher. First Edn. 2016. ISBN-978-93-5152-679-7

3. **Amit Gupta,** Mahesh Chandra Misra, CS Yadav, Budhdeb Chaudhary, Pradeep Subramaniam, Sunil Chumber. Patient with Trauma. In Clinical Surgery – A Text and Atlas. Eds. Sunil Chumber. Published by Jaypee The health sciences publisher. First Edn. 2016. ISBN-978-93-5152-679-7
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5. **Amit Gupta,** Ankur Bansal. Muskuloskeletal Trauma In Handbook of Emergency Trauma Care – Pre - Hospital. Eds. Amit Gupta and Subodh Kumar, Published by NDMA, Govt. of India. 2012.
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8. Subodh Kumar, **Amit Gupta,** Umashankar Kanan. Torso Trauma in ICU Protocols: A stepwise approach Eds R. Chawla and S Todi pp 527-32, © Springer India 2012.
9. **Amit Gupta**, A K Kriplani, Sunil Chumber. Minimal Access Surgery in Essentials of Surgery Ed. Sunil Chumber (2005) pp. 1022-1048. © Jaypee Publishers.
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11. **Amit Gupta**, Vishwanath VS, Lokesh Kashyap, Sunil Chumber. Instruments Sutures and Machines in Essentials of Surgery Ed. Sunil Chumber (2005) pp. 1534-1560. © Jaypee Publishers.
12. Sunil Chumber, Sandeep Agrawala, SVS Deo, **Amit Gupta**. Peritoneum and Retro peritoneum in Essentials of Surgery ed. Sunil Chumber (2005) pp. 994-1003. © Jaypee Publishers.
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14. Nikhil Tandon, Sunil Chumber, **Amit Gupta**. Thyroid in Essentials of Surgery Ed. Sunil Chumber (2005) pp. 659-681. © Jaypee Publishers.
15. **Amit Gupta**, S T Shivaraman, Sudhir Kumar. Initial Assesment of a Patient with Trauma in Principles of Emergency Medicine Eds. Sanjeev Bhoi, Ashish Goel (2005) pp. 186-196. © Paras Publications.
16. Sudhir Kumar, **Amit Gupta**. Thoracic Trauma in Principles of Emergency Medicine Eds. Sanjeev Bhoi, Ashish Goel (2005) pp. 220-251. © Paras Publications.
17. Ekta Gupta, **Amit Gupta**. Essential Microbiological Principles in Principles of Emergency Medicine Eds. Sanjeev Bhoi, Ashish Goel (2005) pp. 572-583. © Paras Publications.
18. **Amit Gupta**, Sunil Chamber. Complications of Thyroidectomy. In Proceedings of CME on Diseases of the Thyroid Gland. Association of Surgeons India (Delhi Chapter), Maulana Azad Medical College, New Delhi. (2001)

Chapters under print (in Association of Surgeons India - ASI Textbook of Surgery)

1. **Amit Gupta**, Sushma Sagar, Maneesh Singhal. Evaluation and management of trauma (Initial assessment and management)
2. **Amit Gupta**, Kamal Kataria, Subodh Kumar, Biplab Mishra. Gastric, small and large bowel injuries
3. Subodh Kumar, **Amit Gupta**, Biplab Mishra. Liver and spleen trauma
4. Biplab Mishra, Subodh Kumar, **Amit Gupta**. Abdominal trauma
5. Biplab Mishra, Subodh Kumar, **Amit Gupta**, S Das. Pancreatoduodenal injuries
6. Sushma Sagar, Maneesh Singhal, **Amit Gupta**. Facial injuries
7. Subodh Kumar, Biplab Mishra, **Amit Gupta**. Thoracic injuries

Research Projects and Grants:

Ongoing

1. **Principal Investigator**: Project for capacity building in Advanced Trauma Life Support in India. Funded by National Disaster Management Authority (NDMA), Govt. of India. (2016-2018). (Funding NDMA Rs. 4.32 crore approx.)
2. **Principal Investigator: AISRF Grand Challenge 2013:** (Four years 2013-17) Reducing the burden of Injury in India and Australia through Development and Piloting of Improved Systems of Care. Submitted to Australia India Strategic Research Fund (DST, Govt. of India). Bi-lateral International Grant (Rs. 3.61 crore approx. Indian side)

3. **Principal Investigator**: Pilot Project for capacity building in Advanced Trauma Life Support in India. Funded by National Disaster Management Authority (NDMA), Govt. of India. (2012). (Funding NDMA Rs. 1.81 crore approx.)

4. **Principal Investigator:** Towards improved trauma care outcomes in India. (TITCO) Funded and administered by Karolinska Institute (Sweden) and Tata Institute of Social Sciences (India). 2013

5. **Principal Investigator:** Prospective Randomized Control Trial of Early versus Late Tracheostomy in Critically Ill Trauma Patients, funded by All India Institute of Medical Sciences, New Delhi.

6. **Co-Principal Investigator:** PI Misra MC: Feasibility Study for Injury Surveillance in India. 2007. Sponsored by WHO and Min. of Health and Family Welfare, Govt. of India.

7. **Co-Principal Investigator**: PI Ravi Saksena: WHO project on Injury Surveillance in Developing Nations – A pilot Study, 2003-04.

8. **Co-Investigator:** Capacity building and strengthening of Hospital Infection Control to detect and prevent antimicrobial resistance in India (CDC) Budget: $ 1,514,087

9. **Co-Investigator:** Does real time ultrasonography during bronchoscopy guided percutaneous tracheostomy confer any benefit; a preliminary randomized controlled trial. Institute Research Grant, AIIMS. 2014-15

10. **Co-Investigator:** Role of micro-dialysis derived metabolic parameters in predicting postoperative complications following laprotomy; Feasibility and pilot study. Institute Research Grant, AIIMS. 2014-15

11. **Co-Investigator:** Development and Implementation of an Automated Electronic Surveillance System for Hospital Acquired Infections at a Tertiary Care Hospital of India (funded by ICMR)

12. **Co-Investigator:** Assessment of post-trauma cytokine producing potential of monocytes for early diagnosis of organ dysfunction and sepsis (Funded by DBT)

13. **Co-Investigator**: Proposal for establishment of Cadaveric Skills laboratory at the JPN Apex Trauma Center, AIIMS. Funded by Indian Council for Medical Research – Directorate of Human Resources (ICMR-DHR) 2012

14. **Co-Investigator**: Collaborative Head Injury and Adherence to Guidelines Study (CHIRAG), funded by DBT India. In collaboration with Harborview Injury Prevention and Research Center (HIPRC), University of Washington. 2012

15. **Co-Investigator:** Role of Immuno-clinical and cytokine gene polymorphisms correlation with recovery in patients with post-traumatic shock. Sponsored by Indian Council of Medical Research, New Delhi, India. 2010-2013

16. **Co-Investigator:** Study on the use of Tranexamic Acid in patients undergoing surgery: Safety and Effectiveness, funded by All India Institute of Medical Sciences, New Delhi.

17. **Co-Investigator:** Prospective, randomized comparison of efficacy and safety of thoracic epidural analgesia with bupivacaine and opioid in two different concentrations versus intravenous two drug analgesia in thoracic trauma.

18. **Co-Investigator:** A randomized, prospective, controlled trial to study the role of parenteral Glutamine (Gln) and Omega3 fatty acid supplemented total parenteral nutrition (TPN) or enteral nutrition in the clinical outcome in critically ill trauma patients in the ICU.

19. **Co-Investigator:** A study of the causes and pathologic features of traumatic deaths" in Department of Surgery, Jai Prakash Narayan Apex Trauma Center, AIIMS.

20. **Co-Investigator:** To study the role of virtopsy (Postmortem CT scan)in predicting the cause of death in trauma patients by comparing the findings of postmortem CT scan and conventional autopsy in Department of Surgery, Jai Prakash Narayan Apex Trauma Center, AIIMS.

21. **Co-Investigator:** To study of the feasibility of management of occult pneumothoraces without intercostal drainage tube in Department of Surgery, Jai Prakash Narayan Apex Trauma Center, AIIMS

Under Submission

1. **Associate Investigator: NHMRC Grant 2013:** The impact of injury in India: generating better estimates for policy, research and clinical care. Bi-lateral International Grant submitted to NHMRC Australia
2. **Principal Investigator: JPNATC Site:** Immersive Simulation for Emergency Medical Technicians. Submitted to CSIR under the New Millennium Indian Technology Leadership Initiative (NMITLI) Grant along with Indian Industry Partner, Sankhya Infotech.

Post Graduate Thesis (Guide/Co-Guide) (Total Onging and Completed – 19)

M.S. (Surgery), AIIMS

1. To Study the outcomes in patients undergoing tracheostomy for trauma and other surgical indications. Ongoing
2. To study the quality of life in patients undergoing Splenectomy for hematological disorders. Ongoing
3. Study of the economic profile of Trauma Care in a Level I Trauma Center. 2013
4. Retrospective and prospective Evaluation of Epidemiology and Magnitude, severity, Outcomes of Complicated Soft Tissue Injuries in a Level 1 Trauma Centre. 2013
5. Evaluation of magnitude, severity and outcome of Thoracic Trauma in a Level I Trauma Center. 2013

6. Retrospective and Prospective Evaluation of magnitude, severity and outcome of traumatic hepato-biliary and pancreatic injury in a Level I Trauma Center. June 2012
7. A study of Epidemiology and Trauma Scoring in patients being admitted to a Level I Trauma Center. November 2011
8. To evaluate the safety and effectiveness of endovenous laser ablation in treatment of Varicose Veins. November 2010
9. A study of Quality of Life Issues of Live related renal transplant donors. November 2008
10. Protocol Biopsy in live related renal transplant recipients – Tacrolimus v/s Cyclosporin. June 2008
11. Effect of Donor kidney weight/ recipient body weight mismatch on patient and graft outcome in live donor renal transplantation. 2007

M.D. (Radiodiagnosis)

1. Role of Contrast enhanced Ultrasound in the evaluation of blunt traumatic solid abdominal organ injury
2. Role of MDCT in Evaluation of Traumatic Liver Injuries

M.D. (Community Medicine)

1. Epidemiological study of patients of Road Traffic Injuries [RTI] attending Emergency department of Jai Prakash Narayan Apex Trauma Centre [JPNATC], AIIMS, New Delhi.

PhD Thesis

1. Effect of Phrenic nerve stimulation on diaphragmatic strength and thickness.
2. Role of T-Helper Cells and Neutrophils in the outcome of patients with Chest trauma
3. Enumeration of T-helper-9, T helper – 17, T helper – 22 and T-regulatory lymphocytes in Post- trauma immune-pathogenesis and outcome.
4. Role of Immuno-clinical and cytokine gene polymorphisms correlation with recovery in patients with post-traumatic shock
5. Assessment of Post-trauma cytokine producing potential of monocytes for early diagnosis of organ dysfunction and sepsis.

M.Sc. (Nursing), AIIMS

1. A study to find out the effectiveness of Psychological first aid training (PFAT) module in modifying knowledge and attitude of nurses working in a trauma unit
2. A study to assess the physical and psychological stresses of mechanically ventilated patients in Intensive care unit. Jan 2011

Guest Lectures:

International

1. **Tackling a million deaths: Trauma Systems Development in India.** In Annual Conference of the Royal Australasian College of Surgeons (RACSANZCA2014), 6th May2014, Marina Bay Sands Convention Centre, Singapore
2. **Morbidity & Mortality Conferences and Preventable Death Panel Reviews.** In Trauma Care System Planning and Quality Improvement Workshop, Asia-Pacific Trauma Quality improvement Network, 5-6 May 2012, Kuala Lumpur, Malaysia.
3. **Current status of trauma systems in India and future directions.** In From Roadside to Recovery - Successful Systems of Trauma Care. 18 - 19 November 2011. Melbourne, Australia
4. **Fluid Therapy in Trauma.** In 1st Balanced Fluid Therapy Conference held from on 21st November 2009 at Kuala Lumpur. Malaysia.
5. **Trauma in India: Past Present and Future**. At R Adams Cowley Shock Trauma Center, University of Maryland, Baltimore, USA. 3rd Sep 2008.
6. **Trauma Scenario in India: The future dimentions**. At Grand Rounds of Emergency and Trauma, Tampa General Hospital and University of South Florida, Tampa, Florida, USA. 24th July 2008

7. **Trauma Care in India: Miles to go.** At the Inaugural ceremony of the First Israeli – Indian Course on Trauma System and Mass Casualty management. Teaching Center for Trauma Emergencies and MCS, Rambam Health Care Campus, Haifa, Israel, December – 9th to 20th, 2007.

National

1. **Hospital Based Trauma Registry in** Workshop Cum CME Programme for MRT/JMRO/MRO/PUBLIC, JPNA Trauma Centre, AIIMS, (Medical Record Section), 04th November 2015
2. **AIIMS, New Delhi Organization of Trauma Centre and Role of Radiology in** Annual Conference of the Society for Emergency Radiology, SER 2015, AIIMS, New Delhi, 31st October to 02nd November 2015
3. **Pre-Hospital Care in** ANTC 2015, 3rd AIIMS Neurotrauma Conference (ANTC 2015). Theme: Protocols to Practice in Craniospinal Trauma**,** 28th to 31st October 2015, 26th to 29th Oct 2015.
4. **Trauma Management in Mass Casualty incidents in** 2nd Course on Medical Management of CBRN Casualties for Medical Officers', Air Force Station Arjangarh, New Delhi, 26th to 29th Oct 2015
5. **Trauma Shock in** 34th MPIOACON 2015 Annual State Conference, Indian Orthopaedic Association MP Chapter Gwalior Orthopaedic Society, Gwalior, 23rd to 25th October 2015.
6. **Trauma Registries in** EAS Roundtable on Trauma Care and Nursing, All India Institute of Medical Science, New Delhi, 15th to 16th October 2015
7. **Course Faculty for AIIMS Trauma Assessment & Management (ATAM) Course,** Department of Surgery, Rohilkhand Medical College & Hospital, Bareilly, U.P. 12th to 13th October 2015
8. **Member Panel Discussion**, 9th IRF Regional Conference, Road Safety Initiatives: Status And The Way Forward. India Habitat Centre, New Delhi, India, 05th to 06th October 2015
9. **Topic: EMR status in AIIMS Hospital Based Trauma Registry.** In Workshop on Road Safety DEA, 6th April 2015, Ministry of Finance, Deptt. of Economic affairs. Hotel Le Meredien, New Delhi.
10. **Management of Pancreatic Injuries in** IHPBA INDIA 2015, Benign HPB Diseases, Organized by Asian Institute of Gastroenterology, Hyderabad, India. 27th February to 01st March 2015
11. **Initial Assessment and Management of Trauma Patient.** Pan-Africal E-Networking Project, 11th May 2014, Telemedicine, AIIMS, New Delhi
12. **Lifesaving advance trauma care measures during CBRN Emergencies inclusive of Triage in contaminated Scenarios,** CBRN TRAINING Course, 16th September 2014, INMAS, Timarpur, Delhi
13. **Neck Trauma** Annual Surgery Update 2014, 23rd September 2014, Maulana Azad Medical College, New Delhi
14. **Consequences of Gender bias in helmet use in India,** AIIMS Neurotrauma Conference 2014 (AANTC 2014), 1st November 2014 AIIMS, New Delhi
15. **Emergency Response: Handling and Transfer of Road Crash Victims. Training needs for Police-First responders and by-standers in Rescue and Transport of Victim.** In Workshop on Aspects of Road Safety 8th December 2014 Transport Department Sikkim & Central Road Research Institute, Gangtok, Sikkim.
16. **CBRN Casualty Management: Triage at Incident Site and Trauma Care.** In 1st Course on Medical Management of CBRN Casualties for Medical Officers, 12-13 January 2014, DRDO Bhawan, New Delhi.
17. **Injury Prevention and Post Crash Care.** In Workshop by Delhi Traffic Police (Traffic Safety Week), 13th January 2014, India Habitat Centre, New Delhi
18. **Transport of Post Crash Victims.** In Workshop on Road Safety 13th January 2014, CRRI, New Delhi
19. **How to manage and transport Road Traffic accident victims.** In Training Workshop for Police Personnel, Haryana Police, 17th January 2014, Haryana Police Academy, Madhuban, Haryana
20. **Organization and essentials of a Trauma Centre** Training Program for Trauma Doctors from Kerala, 6th February 2014, JPNATC, AIIMS, New Delhi

21. **Liver Trauma.** Annual National Conference of IHPBA 2015, 1st March 2015, Asian Institute of Gastroenterology Hyderabad, India
22. **Damage Control Laparotomy**. In AIIMS PG - CME ENDOSURG 2015, 12th March 2015, AIIMS, New Delhi
23. **National Trauma Data Bank –the way ahead.** Workshop for Medical Record Technicians, 23rd March 2015, JPNATC, AIIMS, New Delhi
24. **Triage and Trauma Care in CBRN Emergencies.** DRDO CBRN Course for Doctors and Paramedics, 24th March 2015, INMAS, Timarpur, Delhi
25. **Management of Pancreatic Trauma.** In CME on Pancreas organized by LHMC, 2nd March, 2014, Taj Vivanta at Hotel Ambassador, New Delhi
26. **Bleeding Live and Spleen:** A tale of two untamed bleeding Tigers. In 72nd Annual Conference of the Association of Surgeons of India. Kolakata, 26-30 December 2012.
27. **Damage Control Laparotomy.** In Trauma 2012, Fifth International Conference, CME cum Live Workshop, Organized by ISTAC and JPN Apex Trauma Center. AIIMS, New Delhi India 22-25th November 2012.
28. **Emergency Department Design and Operational Concepts.** In Workshop on Hospital Safety, Mass Casualty Management and Hospital DM Plans" Organized by National Disaster Management Authority, Govt. of India. At Guwahati, India 18-19 September 2012.
29. **Damage Control Surgery.** In TRAUMASICON 2012. 2nd National Conference of the Indian Association for Trauma and Critical Care (Chapter of Association of Surgeons India). Held on 15-16 September, 2012 at Ahmedabad, India.
30. **Transfer of Multiply Injured Patients – Do's and Don't's. In CME on Trauma Care.** Organized by the Dr. Rajendra Prasad Center of Ophthalmic Sciences as a part of 27th National Eye Donation Fortnight 25th August – 8th September, 2012. New Delhi, India.
31. **Medical Management of CBRN Emergencies – Trauma Care.** In Training Course on CBRN Emergencies for Medical officers & Paramedical Staff. Organized by Institute of Nuclear Medicine & Allied Sciences, DRDO, Ministry of Defence, Govt of India. 27-31 August 2012.
32. **Conducted the "Workshop on Hospital Safety, Trauma Care and Disaster Management"** organized by J&K State Disaster Management Authority and National Disaster Management Authority, Govt. of India on 11-12 June 2012, Srinagar, Jammu & Kashmir, India
33. **Care of the Multiply Injured with Head Trauma - What to do before a Specialist arrives** in XXX Annual Refresher Course of IMA CGP Kanpur sub faculty on 23rd March 2012, Kanpur, UP, India
34. **Emergency Response: Handling and Transfer of Road Crash Victims** In Workshop on "Scientific Systems for Road Crash Investigation, Reconstruction & Analysis for Developing Countries", 23 & 24 February 2012, NCR, Delhi
35. **Training needs for Police-First responders in Rescue and Transport of Victims** In Workshop on "Scientific Systems for Road Crash Investigation, Reconstruction & Analysis for Developing Countries", 23 & 24 February 2012, NCR, Delhi
36. **Simulation as a Teaching Tool** in Training the Trainer Program in Simulation, 9-12 February, 2012 at Coimbatore, India.
37. **Simulation as a tool for teaching In-hospital Trauma Teams** in First National Conference on Simulation in Health Care, 19-20 January 2012 organized by the TACT Academy for Clinical Training, Chennai, Tamil Nadu.
38. **Guidelines for developing Communication Systems** in Workshop to formulate "National Guidelines for Prehospital Trauma Care and Management of Trauma Victim" 3rd - 4th Dec 2011 at National Institute Of Health And Family Welfare, New Delhi, India
39. **Abdominal and Pelvic Injuries** in National Workshop on "Challenge - Trauma: Be Confident; Become Competent", 1-2 December 2011 organized by Sri Gokulam College of Nursing, Salem, Tamil Nadu.

40. **Chest Injuries** in National Workshop on "Challenge - Trauma: Be Confident; Become Competent", 1-2 December 2011 organized by Sri Gokulam College of Nursing, Salem, Tamil Nadu.
41. **Injury Surveillance and Development of Hospital Based Registry at JPN Apex Trauma Center AIIMS** in Pre Workshop Meeting of Indian Delegates with CDC Atlanta Group on 28th August 2011 as a part of National Workshop on Injury Prevention & Control, 29-30th August, 2011 organized by Department of Orthopedics, GMC Chandigarh, India.
42. **Poly-trauma Management** in National Workshop on Injury Prevention & Control, 29-30th August, 2011 organized by Department of Orthopedics, GMC Chandigarh, India.
43. **Hospital Disaster Preparedness Planning** in Training Course on Institutionalization Of Hospitals In Emergency Preparedness on 12th July 2011, organized by the National Institute of Health and Family Welfare (MoHFW), New Delhi.
44. **Management of Emergency Department** in Training Course on Institutionalization Of Hospitals In Emergency Preparedness on 11th July 2011, organized by the National Institute of Health and Family Welfare (MoHFW), New Delhi.
45. **Trauma centers and emergency infrastructure** in 4th National India Roads Conference 2011 - Time for Action: Emergence of Road Safety in India, 29th – 30th June 2011, New Delhi, India.
46. **Initial Management of multiply injured victim (poly-trauma victims)** in Training in Emergency Medical Response, organized by the Directorate of Health Services, Govt. of NCT Delhi on 21st April, 28th April and 5th May 2011 at Dr. Hedgewar Arogya Sansthan, Delhi.
47. **Disaster Planning in a Multispecialty Hospital,** delivered at Workshop on Contemporary Issues in Medicine, Directorate General of Medical Services (Air), at Camero Officers Mess, Air Force Station, Subroto Park, New Delhi on 31st March 2011.
48. **Management of Trauma Shock** in 53rd National Trauma Management Course held from 21st to 22nd March 2011 at Indore, India.
49. **Initial Assessment and Management of a Trauma victim**. In TRAUMACON 2010 Organized by Trauma Forum at Fortis Hospital Jaipur on 5th March 2011.
50. **Road Traffic Accidents,** in the First CME of the Delhi Medical Council, held at the Main Auditorium, Maulana Azad Medical College, New Delhi on 20th February 2011.
51. **Initial Assessment of a Trauma victim**. In UTTARACON 2010 at Govt. Medical College, Haldwani, Uttrakhand on 5th December 2010.
52. **Head trauma.** In UTTARACON 2010 at Govt. Medical College, Haldwani, Uttrakhand on 5th December 2010.
53. **'Equipping Hospitals for Emergency Care with Necessary Safeguards & Regulations'** in "Healthcare East 2010" – Challenges Ahead organized by Confederation of Indian Industry (CII) Eastern Region on 28 September 2010, Kolkata.
54. **Basic Trauma Care and Identification of critical victims based on Symptoms** in Training Course entitled "Management of CBRN Emergencies: Raising Preparedness of Response Teams" organized by the Division of CBRN Defence, Institute of Nuclear and Allied Sciences (INMAS), Delhi. On 16th September 2010.
55. **An Insight into the functioning of an Apex Trauma Center,** delivered at the JPN Apex Trauma Center for Senior Hospital Administrators from India, arranged by the National Institute of Health and Family Welfare (NIHFW), Govt. of India, New Delhi. 13th September 2010.
56. **Pre-Hospital Basic Trauma Care and on site TRIAGE** in Training Course entitled "Management of CBRN Emergencies: Raising Preparedness of Response Teams" organized by the Division of CBRN Defence, Institute of Nuclear and Allied Sciences (INMAS), Delhi. On 9th September 2010.
57. **Trauma Care in India and Organ Donation** in Symposium on Promotion of Organ Donation organized by Dept. of Nephrology, AIIMS on 4th September 2010.
58. **Guidelines for preparing a Hospital Mass Casualty Management Plan** in Training Program on "Mass Casualty Management" organized by the National Institute of Disaster Management (Min. of Home Affairs, GOI), New Delhi. 3rd September 2010.

59. **Role and responsibilities of a Level I Trauma Center** in Training Program for hospital administrators organized by the National Institute of Health and Family Welfare (NIHFW), Govt. of India, New Delhi. 1st September 2010.
60. **Initial Assessment and Management of a multiply injured patient** in Basic Plastic and Reconstructive Surgery Course in Trauma **(BPRS Course)**, 30-31st July 2010, JPN Apex Trauma Center, AIIMS, New Delhi, India.
61. **Treatment of Heat & Blast and Injuries** in Training for Emergency Medical Response to CBRN Casualties, Course designed by NDMA and DRDE Gwalior, organized at JPN Apex Trauma, AIIMS, New Delhi. 29th – 31st July 2009.
62. **Management Strategies in Abdominal Trauma – Responders** in ASICON CME organized by ASICON Education Foundation, ASI Delhi Chapter at JPN Apex Trauma Center, AIIMS on 26th July 2009.
63. **Designing and running an Emergency Department** in 82nd Training Course on Hospital Administration Organized by National Institute of Health and Family Welfare, Govt. of India. 6-24 July 2009.
64. **Treatment of Heat & Blast and Injuries caused by chemical and nuclear agents** in Training for Emergency Medical Response to CBRN Casualties, Course designed by NDMA and DRDE Gwalior, organized at JPN Apex Trauma, AIIMS, New Delhi. 19th – 22nd May 2009.
65. **An Insight into the functioning of an Apex Trauma Center,** delivered at the Department of Hospital Administration, All India Institute of Medical Sciences, New Delhi, India on May 1st 2009.
66. **Trauma Management in Chemical Accident Victims.** In Conference on Chemical (Industrial) Disaster Management – Pipelines, Storages and Medical Preparedness. Organized by National Disaster Management Authority and FICCI. At FICCI Auditorium, New Delhi. February 11-13, 200
67. **Salient Features of MCM Hospital Plan** in Training Program on "Mass Casualty Management organized by the National Institute of Disaster Management (NIDM, Ministry of Home Affairs, Govt. of India) 17th – 21st November 2008.
68. **ABCD'E of Acute Trauma Management** in AIIMS Trauma Workshop 2008 at Indo-US Emergency Medicine Summit 2008, A J Institute of Medical Sciences, Mangalore,10-12 October 2008.
69. **Trauma in India and need for ATLS** in promulgation of Advance Trauma Life Support Course (ACS) ATLS ® Programme in India, All India Institute of Medical Sciences, 1st – 2nd November 2007
70. **Emergency Room Management of Shock.** in AIIMS Trauma Workshop 2007 at Indo-US Emergency Medicine Summit 2007, Nehru Center, Mumbai, 26-30 September 2007.
71. **Disaster Management – An Indian Perspective.** In Academic Council for Emergency and Trauma, held at AIIMS. 1-2 September 2007
72. **Hospital Contingency Planning.** at Dr. S.T.M. Forest Hospital, Haldwani, Uttarnchal, India. 5th June 2007.
73. **Model guidelines for Hospital Emergency Contingency Planning.** In Workshop on Hospital Emergency Preparedness Planning, Disaster Risk Management Program, Government of NCT Delhi on 16th March 2007.
74. **Management of Long-term effects of Disaster.** In National Conference on Medical Preparedness and Mass Causalities Management organized by the National Disaster Management Authority, Government of India. Nov 2006
75. **Trauma Shock:** In TREAT India held at Central Railway Hospital, Byculla, Mumbai 4th – 5th October 2006.
76. **ABCD of Trauma Care.** In Trauma Alert Assembly. INDO-US Emergency Medicine Summit 2006
77. **Recent Trends in Trauma Management.** In Surgery Update 2006 organized by Department of Surgery, Dr. S.T.M. Forest Hospital, Haldwani, Uttaranchal, India. 9th April 2006.

78. **Polytrauma – The Team Approach.** in POLYTRAUMACON – 2006 organized by Society for Emergency Medicine in India and Fortis Hospital, Noida, India. January 2006.
79. **Decision Making in Acute Abdominal Pain.** in INDO-US Emergency Medicine Summit 2005**,** 21st and 23rd Oct. 2005 at AIIMS.
80. **Emergency Room Management of Head Injuries** in INDO-US Emergency Medicine Summit 2005**,** 21st and 23rd Oct. 2005 at AIIMS.
81. **Emergency Room Management of Thoracic Trauma** in Emergency Medicine Update 2004 – National CME, 30th October 2004, AIIMS, New Delhi.
82. **Management of Tumors of the Thyroid and Parathyroid Glands** in Short term course on Oncology Nursing, 26th April 2005, College of Nursing, AIIMS, New Delhi.
83. **Management of Tumors of the Adrenal Glands** in Short term course on Oncology Nursing, 27th of April 2005, College of Nursing, AIIMS, New Delhi.

Guest Lectures for Advanced Trauma Life Support Course - ATLS

1. **Abdominal Trauma,** in 2nd, 3rd, 4th, 5th and 6th ATLS Courses held at Apex Trauma Center, AIIMS. ATLS ® India Program. Advanced Trauma Life Support Course of the American College of Surgeons – Committee on Trauma (ACS-COT), USA. (April to August 2010)
2. **Initial Assessment and Management of a Multiply Injured Patient, as Course Director Candidate** in 7th ATLS Course held at Apex Trauma Center, AIIMS. ATLS ® India Program. Advanced Trauma Life Support Course of the American College of Surgeons – Committee on Trauma (ACS-COT), USA. (September 2010)
3. **Geriatric Trauma.** In 8th ATLS Course held at Apex Trauma Center, AIIMS. ATLS ® India Program. Advanced Trauma Life Support Course of the American College of Surgeons – Committee on Trauma (ACS-COT), USA. (September 2010)
4. **Pediatric Trauma.** In 9th and 10th ATLS Course held at Apex Trauma Center, AIIMS. ATLS ® India Program. Advanced Trauma Life Support Course of the American College of Surgeons – Committee on Trauma (ACS-COT), USA. (October - December 2010)
5. **Thoracic Injuries.** In ATLS Courses held at Apex Trauma Center, AIIMS and Dr. RML Hospital. ATLS ® India Program. Advanced Trauma Life Support Course of the American College of Surgeons – Committee on Trauma (ACS-COT), USA. (January – February 2010)
6. **Trauma Shock**. In The Inaugural ATLS Course held at IIEMS, Cochin. ATLS ® India Program. Advanced Trauma Life Support Course of the American College of Surgeons – Committee on Trauma (ACS-COT), USA. (February 2010)
7. **ATLS Course Overview and Transfer to Definitive Care**. As Course Director of 2nd ATLS Course held at IIEMS, Cochin. ATLS ® India Program. Advanced Trauma Life Support Course of the American College of Surgeons – Committee on Trauma (ACS-COT), USA. (April 2010)

Participation At Workshops And Conferences:

1. **Invited Faculty (Chairperson) in** Third CME in Surgery – 2016, Department of Surgical Disciplines, All India Institute of Medical Sciences, New Delhi. 27th-28th February 2016.
2. **Invited Faculty in** Workshop Cum CME Programme for MRT/JMRO/MRO/PUBLIC, JPNA Trauma Centre, AIIMS, (Medical Record Section), 04th November 2015
3. **Invited Faculty in** Annual Conference of the Society for Emergency Radiology, SER 2015, AIIMS, New Delhi, 31st October to 02nd November 2015
4. **Invited Faculty in** ANTC 2015, 3rd AIIMS Neurotrauma Conference (ANTC 2015). Theme: Protocols to Practice in Craniospinal Trauma**,** 28th to 31st October 2015, 26th to 29th Oct 2015.
5. **Invited Faculty in** 2nd Course on Medical Management of CBRN Casualties for Medical Officers', Air Force Station Arjangarh, New Delhi, 26th to 29th Oct 2015

6. **Invited Faculty in** 34th MPIOACON 2015 Annual State Conference, Indian Orthopaedic Association MP Chapter Gwalior Orthopaedic Society, Gwalior, 23rd to 25th October 2015.
7. **Invited Faculty in** EAS Roundtable on Trauma Care and Nursing, All India Institute of Medical Science, New Delhi, 15th to 16th October 2015
8. **Course Faculty for AIIMS Trauma Assessment & Management (ATAM) Course,** Department of Surgery, Rohilkhand Medical College & Hospital, Bareilly, U.P. 12th to 13th October 2015
9. **Invited Faculty**, 9th IRF Regional Conference, Road Safety Initiatives: Status And The Way Forward. India Habitat Centre, New Delhi, India, 05th to 06th October 2015
10. **Invited Faculty.** In Workshop on Road Safety DEA, 6th April 2015, Ministry of Finance, Deptt. of Economic affairs. Hotel Le Meredien, New Delhi.
11. **Invited Faculty in** IHPBA INDIA 2015, Benign HPB Diseases, Organized by Asian Institute of Gastroenterology, Hyderabad, India. 27th February to 01st March 2015
12. **Delegate and Presented Oral Paper.** 19th World Congress on Disaster and Emergency Medicine, 22nd -24th April 2015, Cape Town, South Africa
13. **Delegate:** National Consultation on Risk Communication for public health emergencies, 15-16 April 2015, WHO
14. **Invited Faculty:** Workshop on Road Safety DEA, 6th April 2015, Ministry of Finance, Deptt. of Economic affairs. Hotel Le Meredien, New Delhi.
15. **Distinguished Invited Lecturer:** Annual Conference of the Royal Australasian College of Surgeons (RACSANZCA2014), 6th May2014, Marina Bay Sands Convention Centre, Singapore
16. **Invited Faculty**. Pan-Africal E-Networking Project, 11th May 2014, Telemedicine, AIIMS, New Delhi
17. **Invited Faculty**. CBRN TRAINING Course, 16th September 2014, INMAS, Timarpur, Delhi
18. **Invited Faculty.** Annual Surgery Update 2014, 23rd September 2014, Maulana Azad Medical College, New Delhi
19. **Invited Faculty**. AIIMS Neurotrauma Conference 2014 (AANTC 2014), 1st November 2014 AIIMS, New Delhi
20. **Invited Faculty.** In Workshop on Aspects of Road Safety 8th December 2014 Transport Department Sikkim & Central Road Research Institute, Gangtok, Sikkim.
21. **Invited Faculty.** In 1st Course on Medical Management of CBRN Casualties for Medical Officers, 12-13 January 2014, DRDO Bhawan, New Delhi.
22. **Invited Faculty**. In Workshop by Delhi Traffic Police (Traffic Safety Week), 13th January 2014, India Habitat Centre, New Delhi
23. **Invited Faculty**. In Workshop on Road Safety, 13th January 2014, CRRI, New Delhi
24. **Invited Faculty**. Training Workshop for Police Personnel, Haryana Police, 17th January 2014, Haryana Police Academy, Madhuban, Haryana
25. **Invited Faculty.** Training Program for Trauma Doctors from Kerala, 6th February 2014, JPNATC, AIIMS, New Delhi
26. **Invited Faculty** Annual National Conference of IHPBA 2015, 1st March 2015, Asian Institute of Gastroenterology Hyderabad, India
27. **Invited Faculty** In AIIMS PG - CME ENDOSURG 2015, 12th March 2015, AIIMS, New Delhi
28. **Invited Faculty**. Workshop for Medical Record Technicians, 23rd March 2015, JPNATC, AIIMS, New Delhi
29. **Invited Faculty.** DRDO CBRN Course for Doctors and Paramedics, 24th March 2015, INMAS, Timarpur, Delhi
30. **Invited Faculty**: In CME on Pancreas organized by LHMC, 2nd March, 2014, Taj Vivanta at Hotel Ambassador, New Delhi
31. **Invited Faculty:** DNA Con, 2nd February 2014, India Habitat Centre, Delhi
32. **Invited Faculty:** 72nd Annual Conference of the Association of Surgeons of India. Kolakata, 26-30 December 2012.

33. **Invited Faculty:** In Workshop on Hospital Safety, Mass Casualty Management and Hospital DM Plans" Organized by National Disaster Management Authority, Govt. of India. At Guwahati, India 18-19 September 2012.
34. **Invited Faculty:** In TRAUMASICON 2012. 2nd National Conference of the Indian Association for Trauma and Critical Care (Chapter of Association of Surgeons India). Held on 15-16 September, 2012 at Ahmedabad, India.
35. **Faculty** In CME on Trauma Care. Organized by the Dr. Rajendra Prasad Center of Ophthalmic Sciences as a part of 27th National Eye Donation Fortnight 25th August – 8th September, 2012. New Delhi, India.
36. **Invited Faculty** In Training Course on CBRN Emergencies for Medical officers & Paramedical Staff. Organized by Institute of Nuclear Medicine & Allied Sciences, DRDO, Ministry of Defence, Govt of India. 27-31 August 2012.
37. **Faculty** at "Workshop on Hospital Safety, Trauma Care and Disaster Management" organized by J&K State Disaster Management Authority and National Disaster Management Authority, Govt. of India on 11-12 June 2012, Srinagar, Jammu & Kashmir, India
38. **Faculty** in In Trauma Care System Planning and Quality Improvement Workshop, Asia-Pacific Trauma Quality improvement Network, 5-6 May 2012, Kuala Lumpur, Malaysia.
39. **Invited Faculty** in XXX Annual Refresher Course of IMA CGP Kanpur sub faculty on 23rd March 2012, Kanpur, UP, India
40. **Invited Faculty** In Workshop on "Scientific Systems for Road Crash Investigation, Reconstruction & Analysis for Developing Countries", 23 & 24 February 2012, NCR, Delhi
41. **Guest Speaker** in First National Conference on Simulation in Health Care, 19-20 January 2012 organized by the TACT Academy for Clinical Training, Chennai, Tamil Nadu.
42. **Invited speaker and resource person** in Workshop to formulate "National Guidelines for Prehospital Trauma Care and Management of Trauma Victim" 3rd - 4th Dec 2011 at National Institute Of Health And Family Welfare, New Delhi, India
43. **Invited Faculty** in National Workshop on "Challenge - Trauma: Be Confident; Become Competent", 1-2 December 2011 organized by Sri Gokulam College of Nursing, Salem, Tamil Nadu.
44. **Guest Speaker and Scientific Presenter** In From Roadside to Recovery - Successful Systems of Trauma Care. 18 - 19 November 2011. Melbourne, Australia
45. **Scientific Chair & Faculty –** TRAUMA 2011, International Congress, CME cum Live Workshop & Second Annual conference of the Indian Society Trauma and Acute Care (ISTAC) 9th – 13th Nov. 2011.
46. **Group Member** in Pre Workshop Meeting of Indian Delegates with CDC Atlanta Group on 28th August 2011 as a part of National Workshop on Injury Prevention & Control, 29-30th August, 2011 organized by Department of Orthopedics, GMC Chandigarh, India.
47. **Faculty** in National Workshop on Injury Prevention & Control, 29-30th August, 2011 organized by Department of Orthopedics, GMC Chandigarh, India.
48. **Faculty** in Training Course on Institutionalization Of Hospitals In Emergency Preparedness, 11th - 15th July 2011, organized by the National Institute of Health and Family Welfare (MoHFW), New Delhi 2011.
49. **Guest Speaker** in 4th National India Roads Conference 2011 - Time for Action: Emergence of Road Safety in India, 29th – 30th June 2011, New Delhi, India.
50. **Scientific Presenter** in 17th World Congress of Disaster and Emergency Medicine. 31st May – 3rd June 2011. Beijing, China.
51. **Expert in Asia Pacific Meeting on Simulation in Healthcare,** held from 19th to 22nd May 2011 at Hong Kong, China.
52. **Faculty** in Training in Emergency Medical Response, organized by the Directorate of Health Services, Govt. of NCT Delhi on 21st April, 28th April and 5th May 2011 at Dr. Hedgewar Arogya Sansthan, Delhi.
53. **Faculty** in Workshop on Contemporary Issues in Medicine, Directorate General of Medical Services (Air), at Camero Officers Mess, Air Force Station, Subroto Park, New Delhi on 31st March 2011.

54. **Faculty** in 53rd National Trauma Management Course held from 21st to 22nd March 2011 at Indore, India.
55. **Faculty** in TRAUMACON 2010 Organized by Trauma Forum at Fortis Hospital Jaipur on 5th March 2011.
56. **Faculty in** the First CME of the Delhi Medical Council, held at the Main Auditorium, Maulana Azad Medical College, New Delhi on 20th February 2011.
57. **Faculty** in UTTARACON 2010 at Govt. Medical College, Haldwani, Uttrakhand on 5th December 2010.
58. **Chairperson at Fifth AIIMS Surgical week and Endosurg-2011,** International CME cum Live Workshop. AIIMS and Indian Hernia Society. March 2011.
59. **Member Round Table Conference on "Action for Road Safety" at TrafficInraTech Expo** organized on 2-4th February 2011 at New Delhi.
60. **Faculty at Trauma 2010,** International Congress, CME cum Live Workshop & Second Annual Conference of the Indian Society Trauma and Acute Care (ISTAC) JPN Apex Trauma Center and AIIMS, New Delhi. Nov. 2010
61. **Expert at "Healthcare East 2010" – Challenges Ahead** organized by Confederation of Indian Industry (CII) Eastern Region on 28 September 2010, Kolkata**.**
62. **Faculty at Training Course entitled "Management of CBRN Emergencies: Raising Preparedness of Response Teams" for NDRF Non-medical personnel**, organized by the Division of CBRN Defence, Institute of Nuclear and Allied Sciences (INMAS), Delhi. On 16th September 2010.
63. **Faculty at Training Course entitled "Management of CBRN Emergencies: Raising Preparedness of Response Teams" for NDRF Medical personnel** organized by the Division of CBRN Defence, Institute of Nuclear and Allied Sciences (INMAS), Delhi. On 9th September 2010.
64. **Faculty at Symposium on Promotion of Organ Donation** organized by Dept. of Nephrology, AIIMS on 4th September 2010.
65. **Faculty at Training Program for hospital administrators** organized by the National Institute of Health and Family Welfare (NIHFW), Govt. of India, New Delhi. 1st September 2010.
66. **Faculty at Basic Plastic and Reconstructive Surgery Course in Trauma (BPRS Course)**, 30-31st July 2010, JPN Apex Trauma Center, AIIMS, New Delhi, India.
67. **Criticare-2010.Annual Conference of the Indian Society for Critical Care Medicine**. February 2010, Hyderabad, AP, India
68. **Expert at International Conference cum Workshop on "Harmonizing Road Traffic Rules and Control Devices based on United Nations Legal Instruments"** 21st-22nd January 2010, New Delhi
69. **Faculty at 1st Balanced Fluid Therapy Conference** held from on 21st November 2009 at Kuala Lumpur. Malaysia.
70. **Faculty at Trauma 2009,** International Congress, CME cum Live Workshop & Second Annual Conference of the Indian Society Trauma and Acute Care (ISTAC) JPN Apex Trauma Center and AIIMS, New Delhi. 12TH – 15TH Nov. 2009.
71. **Faculty at 5th Indo-US Emergency Medicine Summit & 4th Annual ACET Assembly 2009**, PSG Institute of Medical Sciences, Coimbatore, 31st October – 1st November 2009.
72. **Faculty at 1st Emergency and Trauma Airway Course (ETAC) & Workshop** 8th – 10th August, 2009, JNMC, Aligarh Muslim University, Aligarh.
73. **Faculty at Training for Emergency Medical Response to CBRN Casualties**, Course designed by NDMA and DRDE Gwalior, organized at JPN Apex Trauma, AIIMS, New Delhi. 29th – 31st July 2009.
74. **Faculty at 82nd Training Course on Hospital Administration** Organized by National Institute of Health and Family Welfare, Govt. of India. 6-24 July 2009.
75. **Faculty at Training for Emergency Medical Response to CBRN Casualties,** Course designed by NDMA and DRDE Gwalior, organized at JPN Apex Trauma, AIIMS, New Delhi. 19th – 22nd May 2009.
76. **Scientific presentation at World Congress on Disaster and Emergency Medicine – 2009.** Victoria, British Columbia, Canada. 12th – 15th May 2009.

77. **Faculty at Workshop & CME on GI and Laparoscopic Surgery – LAPGI-2009,** held from 7th TO 8th February, 2009 at Gorakhpur Medical College, Gorakhpur, India.
78. **Faculty at Trauma 2008,** International conference, CME cum Live Workshop & Inaugural conference of the Indian Society Trauma and Acute Care (ISTAC) JPN Apex Trauma Center and AIIMS, New Delhi. Nov. 2008.
79. **Faculty at Conference on Chemical (Industrial) Disaster Management** – Pipelines, Storages and Medical Preparedness. Organized by National Disaster Management Authority and FICCI. At FICCI Auditorium, New Delhi. February 11-13, 2009.
80. **Faculty at Indo-US Emergency Medicine Summit 2008**, A J Institute of Medical Sciences, Mangalore,8 -12 October 2008.
81. **Expert group member at "The Science of Simulation in Healthcare – Defining and developing Clinical Expertise".** AEM-Consensus Conference. May 28, 2008. Washington DC
82. **Faculty at Indo-US Emergency Medicine Summit 2007**, Nehru Center, Mumbai, 26-30 September 2007.
83. **Faculty at Academic Council for Emergency and Trauma**, held at AIIMS. 1-2 September 2007.
84. **Faculty at Workshop on Hospital Emergency Preparedness Planning**, Disaster Risk Management Program, Government of NCT Delhi on 16th March 2007.
85. **First AIIMS Surgical Week, International CME cum live workshop, ENDOSURG - 2007, Inaugural International Conference cum Live Workshop of the Indian Hernia Society**, 26th – 31st March 2007, A.I.I.M.S. New Delhi
86. **Criticare-2007.Annual Conference of the Indian Society for Critical Care Medicine**. February 2007, Kochi, Kerala India
87. **National Conference on Medical Preparedness and Mass Causalities Management** organized by the National Disaster Management Authority, Government of India, 22nd – 23rd August 2006.
88. **ENDOSURG - 2006, Inaugural International Conference cum Live Workshop of the Indian Hernia Society**, 11th – 13th March 2006, A.I.I.M.S. New Delhi
89. **AMASICON – 2005, Inaugural International Conference cum Live Workshop of the Association of Minimal Access Surgeons of India**, 18th – 20th March 2005, A.I.I.M.S. New Delhi
90. **Annual Conference on Bioprosthetic Materials and Ethical Issues**, 20th to 23rd January 2005 at Trivandrum.
91. **Annual Conference of the Indian Association of Surgical Oncology (NATCON-IASO-2001)**, 21-23 September 2004 at Jaipur, Rajasthan
92. **7th International Course on Endoscopy and Laparoscopy** 13th - 15th July, 2004, Mumbai.
93. **10th Annual Conference of the Indian Society of Critical Care Medicine**, 6th – 8th February 2004, Mumbai.
94. **Fourth International Conference on AIDS INDIA**, 9th – 12th November, 2003,Organized by the Department of Experimental Medicine and AIDS Research Center, Tamil Nadu Dr. MGR Medical University, Chennai.
95. **Workshop on Essentials of Epidemiology and Research Methods**, 8th – 12th October, 2003. Clinical Epidemiology Unit of AIIMS at Suraj Kund , Faridabad.
96. **HERNIA – CME cum Workshop on Different techniques of Conventional and Laparoscopic Hernia Repair**, 26th – 27th April 2003, Department of Surgery, All India Institute of Medical Sciences, New Delhi.
97. **Annual Conference of the Association of Surgeons India (Delhi Chapter)** at R&R Hospital, December 2001, New Delhi.
98. **Annual Conference of the Indian Association of Surgical Oncology (NATCON-IASO-2001)**, 21-23 September 2001 at Panchkula (Haryana) India.
99. **CME Course in Gastroenterology** All India Institute of Medical Sciences, New Delhi on the 29th July 2001.

100. **Annual Conference of the Association of Surgeons India (Delhi Chapter)** at Safdarjung Hospital, New Delhi, February, 2001.

101. **Therapeutic Gastrointestinal Endoscopy Workshop** Deptt. of Gastroenterology , A.I.I.M.S. New Delhi on 13-14 March 1999.

102. **Annual Conference of the Urological Society of India North Zone (NZUSION-97)** Varanasi in November 1997.

103. **Annual Conference of U.P. Chapter of Association of Surgeon's India (UPASICON-97)** Lucknow in November 1997.

104. **Annual Conference of Indian Association of Endocrine Surgeons (IAESCON-97)** S.G.P.G.I.M.S. Lucknow, October 1997 by presenting a paper entitled Opthalmopathy in Hyperthyroidism at the Conference.

105. **Annual Conference of Indian Association of Pediatric Surgeons** organized by Division of Pediatric Surgery, Department of Surgery, King George's Medical College, Lucknow.

106. **7th Biennial National Conference of Indian Society of Oncology,** March 1-3, 1996 Division of Oncology, Department of Surgery, King George's Medical College, Lucknow.

107. **3rd Postgraduate Course in Endocrine Surgery and "Indo-Japanese Workshop on Thyroid Cancer"** Sanjay Gandhi Postgraduate Institute of Medical Sciences. Lucknow on 22nd-24th May 1997.

108. **Indo-U.K. CME Programme in Gastroenterology,** Department of Surgery, King George's Medical College, Lucknow on 5th-6th January 1996.

109. **Workshop on Impotence and Male Infertility** Division of Urology, Department of Surgery, Kind George's Medical college, Lucknow on 24th March 1995.

110. **30th Annual Conference of Urological Society of India** held at Mumbai from January 20-24, 1997 and presented a paper entitled "Circadian Rythmometry of Serum Calcium and Urinary Calcium, Oxalic acid n Urolithiasis" in the invited paper session.

111. **6th Annual Conference and continuing urological education (CUE) organized by NA-Urological Society of India** Christian Medical College, Ludhiana on 2-3rd November 1996.

SERVICE: (CONTRIBUTIONS MADE TOWARDS THE DEVELOPMENT OF NEW UNIT/ SPECIALTY/ LABORATORY/ FACILITY/ PROGRAMMES/THERAPEUTIC OR DIAGNOSTIC PROCEDURES DEVELOPED OR PATENT TAKEN)

1. **Contribution to the Development of the National guidelines for Pre-hospital trauma care and management of trauma victims**. WHO and Min. of Health and Family Welfare, Govt. of India. 2011**.** As a core-group member of the team preparing the National guidelines for Pre-hospital trauma care and management of trauma victims I had contributed as an author and resource person. The National Guidelines will help as a benchmark document to prepare policies regarding the Pre-Hospital Care in the country which is lacking at all levels.

2. **Contribution to Development of the National Guidelines on Medical Preparedness in Mass Casualty Management:** As a core-group member for medical preparedness in mass casualty management, NDMA (National Disaster Management Authority), Govt. of India I had contributed significantly during the formulation of the National Guidelines on Medical Preparedness in Mass Casualty Management. The National Guidelines were released in October 2007. These Guidelines will be a benchmark for the various Central and State Agencies who plan to provide medical care during Mass Casualty Incidents. The guidelines are available at the office of National Disaster Management Authority (NDMA), New Delhi.

3. **Development of UNDP Guidelines for Hospital Emergency Preparedness planning:** Was the Consultant to United Nations Development Program (UNDP) to develop Guidelines for Hospital Emergency Preparedness Planning. GOI-UNDP DRM Programme (2002-2008). I had prepared the

guidelines for hospital contingency planning on the lines laid down by the National Guidelines laid down by the NDMA of which I was a core group member. The Guidelines are in the form of a 81 page book, which is a guide to hospital administrators on how to go about preparing a Hospital Disaster/ Contingency Plan. The Guidelines are available at *http://data.undp.org.in/dmweb/Guidelines_Hospital_Emergency_2008.pdf*

4. **Contribution in Development and Commissioning of the JPN Apex Trauma Center, AIIMS:** Was a part of the initial team of faculty members who joined the positions at Apex Trauma Center in 2005 and helped developing the AIIMS Trauma Center to its present shape. The phased out commissioning of the AIIMS Trauma center began on the 26th November 2006 when a dry run was started by taking less severe trauma patients (ISS<9) from main AIIMS Emergency Department. Thereafter, the Trauma ED was opened to all patients on the 26th November 2007.

5. **Development of a specialized Trauma Surgery Service at AIIMS Trauma Center:** Was a part of a group of five faculty members who initiated the concept of a Specialized Trauma Surgery Service at the AIIMS Trauma Center. The Trauma Surgery service bridges the critical gap between the resuscitation to definitive management and beyond. Keeping itself truthful to its cause it provides the **continuity of care to seriously injured polytrauma patients** while also providing specialized definitive care to them. It runs in close cooperation with other clinical departments at trauma center i.e. Emergency Department, Neuro-trauma, Orthopedic trauma and Trauma Critical Care thus, providing a holistic care to the multiply injured patients. The trauma surgery unit also provides support to the specialty departments of neuro-trauma and orthopedic trauma as and when required. The Trauma Surgery Unit is an integral part of the Trauma resuscitation team. Nearly all traumas except specialty driven Neuro and Orthopedic trauma is being taken care of by the trauma surgery unit. The spectrum of cases taken care of by the Trauma Surgery Unit is:
   - Torso trauma
     - Abdominal Injuries
     - Thoracic Injuries
     - Combined Abdominothoracic Injuries
     - Maxillofacial Injuries
   - Neck injuries
   - Vascular Injuries
   - Extremity and Torso Soft-tissue Injuries
   - Poly trauma patients with predominant trauma surgeon role.

6. **Development of The Advanced Trauma Skills And Simulation Facility (SimLab) at the JPN Apex Trauma Center, AIIMS**: After coming back form the ICMR International research fellowship on Emergency Simulation at USA, I had given a proposal to establish a Simulation facility at the Trauma Center which would cater to both in-house training programs for the faculty, residents and nurses of the Apex Trauma Center and also for training of other doctors/ nurses which come to the Center for training. Utilizing the experience gained from the ICMR Fellowship, I had designed a new medical simulation based, training facility. The simulation facility has been established at the JPNATC, AIIMS, and is now fully functional. *This facility is one of its kind* and has currently all facilities for simulated training in Emergency and Trauma. The training facility is known as the **"Advanced Trauma Skills and Simulation Facility".** The facility was inaugurated by the Director and Dean, All India Institute of Medical Sciences on the **18th April 2009**. **FUTURE PLANS:** The Advanced Trauma Skills and Simulation Facility is planning to equip the SimLab with the state of the art Hi-Fidelity Simulator this year. The Hi-Fidelity Simulator is a computerized simulator which can simulate various physiological conditions of the human body and responds to the treatments given by the students. This actually simulates the exact scenario in which the doctor and patient are in a real situation.

7. **Development of a Comprehensive Trauma Registry at the JPN Apex Trauma Center:** After having conducted WHO Injury surveillance feasibility study in 2007 which led to the development and validation of an injury surveillance data capture form which is a unique form to easily capture injury related data in the emergency rooms. This paved a way for me to **develop and validate a comprehensive surveillance cum outcome based trauma registry form** for the Apex Trauma Center. Apex Trauma Center is one of the pioneering centers to understand the need to record the

injury related data of all trauma cases which are admitted to the Apex Center. "A trauma registry serves as a means for trauma data that helps in the evaluation, prevention, and research of trauma care and can be used for quality control and planning future research and injury prevention activities." Later, the center has an objective of networking all regional hospitals treating trauma patients for all aspects of trauma care including patient care, data collection with an aim to establish a National Trauma Registry on similar lines to the National TRACKS registry of the USA.

8. **Development of the Trauma Nurse Coordination System at Trauma Centre:** After getting the knowledge about the Trauma Nurse coordinators from developed trauma systems like that in USA I was instrumental in initiating the same system at the JPNATC. A Level 1 Trauma Centre like JPN Apex Trauma Centre, AIIMS have a wide array of staff: trauma and specialist surgeons, emergency physicians, surgical and emergency residents, ED nurses, lab and radiology technicians, critical care nurses, respiratory therapists, anaesthesiologists , OR nurses, security officers, social workers & Class D workers. A trauma nurse coordinator is absolutely essential to keep these complex teams running efficiently so that nothing falls through the cracks. The goal of this role is to provide consistency across the continuum of care for the patients and their families, which includes increasing patient and family satisfaction and process efficiency. The position encompasses the responsibilities of a Trauma nurse Coordinator (clinical coordination, professional and public education, consultation, research and quality management) as well as the role of Trauma Case Manager. This multi-faceted role is accomplished in collaboration with the Trauma Nurse Coordinator group using a self-directed work team model. The JPN Apex Trauma Center is the pioneer in introducing this concept hitherto only known in developed Trauma Systems of the world i.e. the Trauma Nurse Coordinator System.

9. **Contribution in development of the curriculum for Trauma Surgery and Surgical Critical Care:** As a member of the Committee to review Post – Doctoral Course in Trauma Surgery, under chairmanship of Addl. DGHS, Directorate General of Health Services, Govt. of India. 2009, there was a need felt to develop a curriculum for Trauma professionals in India and the committee after several deliberations developed a three year core curriculum for a post – doctoral (M.Ch.) course in Trauma Surgery and Surgical Critical Care. The input could be from specialties of Surgery and/ or Orthopedics.

10. **Development of the Hospital Preparedness Plan for Apex Trauma Centre, AIIMS:** Was a part of the two member team who formulated the Hospital Contingency Plan/ Disaster Plan for the AIIMS Trauma Centre. The Plan includes the activation codes. Standard operating procedures and the patient flow in case of a Multiple/ Mass Casualty Scenario. It also includes the job cards for the essential members of the staff who will follow the SOP's and conduct the Plan. The Plan has been activated several times both in the times of multiple casualty events and also mock drills.

CONTRIBUTIONS IN COMMUNITY AND NATIONAL PROGRAMS

1. **Community Outreach program for Injury prevention and Organ Donation:**

   a. Have been associated as a resource person with the National Trauma Program, Min. of Health and Family welfare, Govt. of India. In this capacity have been working in improving the Trauma Care and Capacity Building in the country. The various aspects I have been involved with the Ministry are:

      i. National guidelines for Pre-hospital trauma care and management of trauma victims. WHO and Min. of Health and Family Welfare, Govt. of India. 2011
      ii. Committee to draft the 12th Five year Plan for Trauma Care Services (Min of Health and FW), under the Directorate General of Health Services, Govt. of India. 2011
      iii. Committee to draft the Plan of Action for the UN Decade on Road Safety(2011-2021), under the Directorate General of Health Services, Govt. of India. 2011

iv. Review Post – Doctoral Course in Trauma Surgery, under chairmanship of Addl. DGHS, Directorate General of Health Services, Govt. of India. 2009

b. As the secretary of Indian Society for Trauma and Acute Care (ISTAC), I have been associated in creating public awareness and Injury prevention campaigns for the past five years as a part of the International Conference TRAUMA which is being held as an annual feature w.e.f. 2008 till date.
b. Working closely with the Institute of Road Traffic Education (IRTE), New Delhi, which is a nodal body to train, Police, professionals as well as lay people the importance of Road Traffic education in today's world.

c. Was a part of the Injury prevention campaign organized jointly by the Delhi Traffic Police and the Institute of Road Traffic Education, held along with the India International Trade Fair in November 2008.

d. Was actively involved with the "Make Roads Safe – The Campaign for Global Road Safety", which is a global campaign launched by the UN along with FIA (Federation of International Automobile Associations)

e. Was actively involved from the AIIMS Trauma Center in the helping the making of the **international film on road traffic injuries "TURNING POINT – A journey on the world's killer roads"**. The film exposes the terrible true scale of the hidden epidemic of road traffic deaths, especially in the developing world. This film was jointly made by the Make roads safe global campaign and Richard Stanley Productions and featured the Global Campaign brand ambassador and Oscar awardee Michael Yoeh.

f. Was a part of the group from the Apex trauma center, AIIMS which initiated the public awareness programs in the field of Injury prevention, this initial effort was also supported by the Injury prevention group from Centers for Disease Control, Atlanta (CDC). The first such program **"Injury Prevention – a social responsibility"** was held at JLN Auditorium, AIIMS in which school children, members from different resident welfare associations, and members of community at large were present. Various aspects of Injury prevention strategies were discussed and it was emphasized to the public especially young school children that if we don't obey traffic rules, and don't wear protective devices (like helmets) they could be affected by trauma anytime.

g. Organized the **Injury prevention campaign** as a part of TRAUMA 2008 Inaugural ceremony, which included Hon'ble Lt. Governor of Delhi, Hon'ble Member NDMA, leading lawyers, road traffic experts and media experts.

h. Organized the **Cadeveric Organ donation campaign** as a part of a symposium in TRAUMA 2009, this was for promoting awareness amongst general public regarding organ donations. Trauma Centers can be good vehicles to promote organ donations as in the western world.

i. Participated in a **Symposium on Promotion of Organ Donation** organized by Dept. of Nephrology, AIIMS on 4th September 2010 and delivered a lecture on Trauma in India and Organ donation which basically was a public awareness campaign for organ donation, it was stressed that trauma centers because of a high load of head injuries and potentially brain dead patients, can play an important role in promoting cadeveric organ donation.

DR. AMIT GUPTA
Date: Feb 2016