

## Curriculum Vitae

<b>Title and Full Name</b>	Dr. Sushma Sagar (DOB 16/06/1968)
<b>Current Organisation</b>	All India Institute of Medical Sciences, New Delhi

### Qualifications

Degree/Award	Year	Discipline/Field	Organisation and Country
MNAMS	2021	Surgery	National Academy of Medical Sciences
AAST Fellow	2020	Trauma Surgery	American Association of Surgeons of Trauma
FRCS(Glasgow)	2016	Trauma Surgery	Fellow of Royal college of Surgeons & Physicians
FACS	2012	Plastic & Recon Surgery	American College of Surgeons, USA
FICLS	2012	Laparoscopic Surgery	Fellowship of International College of Laparoscopic Surgeons
MS	(1993-1996)	Surgery	S N Medical College Agra, India
MBBS	(1986-1993)	All Medical Subjects	King George's Medical College Lucknow, India

### Current and previous appointment(s)/positions(s)

Position held	Organisation	Department	Year Appointed
Professor and Faculty Incharge	AIIMS, New Delhi	Trauma Surgery & Critical Care	01/08/2016 - continuing
Additional Professor	AIIMS, New Delhi	Trauma Surgery & Critical Care	01/07/2012 – 01/07/2016
Associate Professor	AIIMS, New Delhi	Trauma Surgery & Critical Care	01/07/2009-30/06/2012
Assistant Professor	AIIMS, New Delhi	Trauma Surgery & Critical Care	01/10/2005-30/06/2009
Clinical Associate	Pushpawati Singhanian Research Institute (PSRI), New Delhi	General Surgery Renal and Hepatobiliary Surgery	25/03/2003- 31/07/2004
Clinical Associate	Vardhman Mahavir Medical College (VMMC) & Safdarjung Hospital, New Delhi	Burns, Plastic & Maxillofacial Surgery	24/04/2000-23/04/2001
Senior Resident	Vardhman Mahavir Medical College (VMMC) & Safdarjung Hospital, New Delhi	Burns, Plastic & Maxillofacial Surgery	15/11/1996-14/11/1999
Junior Resident	S N Medical College, Agra, Uttar Pradesh, India	Surgery	01/05/1993-30/04/1996

**\*\*Faculty Incharge Wound Care Nurse Program, JPNATC, AIIMS, Delhi**

**\*\*Faculty Incharge Amputation Clinic, JPNATC, AIIMS, Delhi**

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

<i>Name</i>	<i>Year</i>
<ul style="list-style-type: none"><li>➤ Awarded 1<sup>st</sup> Prize for Innovation of Advanced wound healing technology/product during 3<sup>rd</sup> AIIMS Research Day on 30<sup>th</sup> January, 2024</li><li>➤ Invited as Chairperson in TRAUMA 2023 13<sup>th</sup> Annual Conference of Indian Society for Trauma &amp; Acute Care (ISTAC)<sup>®</sup> held on 24<sup>th</sup> November, 2023 at Armed Forces Medical College, Pune</li><li>➤ Appointed as Principal Secretary's nominee for hospital-based authorization committee of Transplantation of organs and tissues, Govt. of NCT of Delhi 2023-24.</li><li>➤ Chairperson of Grievance Redressal Committee at JPNATC, New Delhi</li><li>➤ Chairperson of Linen Condemnation Committee at JPNATC, AIIMS, New Delhi</li><li>➤ Faculty Incharge of TC-6 Ward at JPNATC, AIIMS, New Delhi</li><li>➤ Member of Review Committee for Code Blue at JPNATC, AIIMS, New Delhi</li><li>➤ Faculty Incharge of Follow-Up OPD at JPNATC, AIIMS, New Delhi</li><li>➤ Co-Chairman of Store Purchase Committee (SPC) &amp; Technical Specification Committee (TSC) at JPNATC, AIIMS, New Delhi</li><li>➤ Member of Hospital Blood Transfusion Committee at JPNATC, AIIMS, New Delhi</li><li>➤ Member of Hospital Infection Control Committee at JPNATC, AIIMS, New Delhi</li><li>➤ Member of Trauma Quality Improvement Program (TQIP) at JPNATC, AIIMS, New Delhi</li><li>➤ Nominated as member of Ethics and Medical Registration Board (EMRB) to formulate guidelines for RMP's by National Medical Commission (NMC)</li><li>➤ Member for WOMEN Grievance Committee at AIIMS, New Delhi</li><li>➤ Visiting Faculty AIIMS Rishikesh</li><li>➤ Invited as an Expert for Physical hearing of appeal by Deputy Secretary (EMRB), National Medical Commission on 24<sup>th</sup> April, 2023 at NMC, Delhi</li><li>➤ Invited as an Expert Member for 8<sup>th</sup> TAC Meeting for ICMR-DHR-CoE at IITs on 17-18 May, 2023 at ICMR Hqrs, Ansari Nagar, New Delhi</li><li>➤ Invited as an Expert Member for Standing Selection Committee meeting for selection of Group A Faculty on 19<sup>th</sup> June, 2023 at AIIMS, Guwahati.</li><li>➤ Invited as a Subject Expert for the selection and promotion of faculties in the Department of Trauma Surgery on 09<sup>th</sup> September, 2023 at KGMU, UP, Lucknow (Virtual Mode)</li></ul>	<b>2023-2024</b>

<ul style="list-style-type: none"> <li>➤ Invited as an Expert Member for 9<sup>th</sup> TAC meeting for ICMR-DHR-CoE program under ICMR-MDMS on 18-19 October, 2023 at ICMR Hqrs, Ansari Nagar, New Delhi</li> <li>➤ Invited as an Expert for meeting of the group of experts to study, analyse &amp; document of cases decided by Ethics &amp; Medical Registration Board (EMRB), National Medical Commission for research and publication on 30<sup>th</sup> October, 2023 at NMC, New Delhi</li> <li>➤ Invited as an Expert Member Interview schedule of Faculty recruitment on 31<sup>st</sup> October, 2023 AIIMS, Madurai (Virtual Mode)</li> <li>➤ Invited as an Expert for meeting of the group of experts to review the progress in finalization of case assignments in the “Good Practice Booklet-Volume 2” by EMRB, National Medical Commission on 01<sup>st</sup> December, 2023 at NMC New Delhi (Virtual Mode)</li> <li>➤ Invited as a Subject Expert for Regular faculty Interview, Department of Trauma &amp; Emergency on 05<sup>th</sup> December, 2023 at AIIMS, Nagpur (Virtual Mode)</li> <li>➤ Invited as an External Expert for selection of faculty in the Department of General Surgery and Trauma Emergency (Surgery) on 23<sup>rd</sup> February, 2024 at AIIMS, Rishikesh (Virtual Mode)</li> </ul>	
<ul style="list-style-type: none"> <li>➤ Expert to discuss the issue of “Good Practice” by Deputy Secretary (EMRB), National Medical Commission on 20-21 March, 2023 at NMC Headquarter, Sector 8, Dwarka, Delhi</li> <li>➤ Invited as Subject expert for faculty selection on 14<sup>th</sup> March, 2023 at AIIMS, Madurai</li> <li>➤ Chief Guest at Physiotherapy Session for Physiotherapists &amp; Nurses NABI Mid Con organized by Department of Burns Plastic, AIIMS, New Delhi</li> <li>➤ Panelist at Diet Workshop at NABI Mid Con CME for Dietician organized by Department of Burns Plastic, AIIMS New Delhi</li> <li>➤ Elected as Secretary of Indian Society for Trauma &amp; Acute Care (ISTAC)<sup>®</sup> in General Body Meeting 2022 of ISTAC during TRAUMA 2022 conference from 17-20 November, 2022 at JNU Conventional Centre, New Delhi.</li> <li>➤ Organizing Secretary- Annual conference of Indian society for Trauma &amp; Acute Care (ISTAC) “Trauma 2022” from 17<sup>th</sup> -20<sup>th</sup> November, 2022, JNU, Convention Centre, New Delhi.</li> <li>➤ Expert panelist on prevention of Burn injuries during Diwali on Total Health DD News October 2022</li> <li>➤ External Expert for selection committee interview for Assessment promotion of the faculty to the post of Professor in Emergency Medicine on 8<sup>th</sup> August 2022 at NIMS, Hyderabad</li> <li>➤ Expert for meeting of the group of experts with an objective to study, analyse and document for research and publication of cases decided by EMRB, National Medical Commission on 19<sup>th</sup> – 20<sup>th</sup> July, 2022 at NMC Headquarter, Sector 8, Dwarka, Delhi.</li> <li>➤ Expert panelist on Trauma and Plastic Surgery for Total Health on DD News July 2022</li> </ul>	<b>2022-2023</b>

<ul style="list-style-type: none"> <li>➤ Expert for meeting of Group of Experts to discuss the issue of regulations to supersede “Indian Medical Council (Professional Conduct, Etiquette and Ethics) Regulations, 2002” by Under Secretary (EMRB), National Medical Commission on 17-18<sup>th</sup> May 2022 at NMC, Delhi</li> <li>➤ Expert speaker on managing emergency situations for Radio Doctor at FM Rainbow</li> <li>➤ Appointed as Principal Secretary’s nominee for hospital-based authorization committee of Transplantation of organs and tissues, Govt. of NCT of Delhi 2022-2023</li> <li>➤ Chairperson of Grievance Redressal Committee at JPNATC</li> <li>➤ Nominated as member of Ethics and Medical Registration Board (EMRB) to formulate guidelines for RMP’s by National Medical Commission (NMC)</li> <li>➤ Member for WOMEN Grievance Committee at AIIMS, New Delhi</li> <li>➤ Expert member for Medtech Innovations: ICMR-DHR-Centres of Excellence (CoEs) at seven IITs on 24<sup>th</sup> June, 2022 at ICMR Hqrs, New Delhi</li> <li>➤ Nominated by Chief, JPNATC to attend walk-in interview for engagement of consultant on contractual basis in Disaster Management cell, MoH&amp;FW</li> <li>➤ External examiner for MCh Trauma &amp; Critical Care AIIMS Rishikesh</li> <li>➤ Internal examiner for MCh Plastic, Reconstructive &amp; Burns Surgery, AIIMS Delhi</li> <li>➤ Visiting Faculty AIIMS Rishikesh</li> </ul>	
<ul style="list-style-type: none"> <li>➤ Appointed as <b>Principal Secretary’s nominee</b> for hospital based authorization committee of Transplantation of organs and tissues, Govt. of NCT of Delhi 2021-2022</li> <li>➤ Awarded <b>MNAMS (Member National Academy of Medical Sciences)</b> on 28<sup>th</sup> November, 2021 at NAMSCON Convocation BHU</li> <li>➤ <b>Organizing Secretary</b>- Annual conference of Indian society for Trauma &amp; Acute Care (ISTAC) “Trauma 2021 Virtual Conference” on 19<sup>th</sup> to 21<sup>st</sup> November 2021 on a virtual platform.</li> <li>➤ <b>Acting Faculty Incharge</b> Hospital Infection Control , JPNATC AIIMS Delhi</li> <li>➤ Poster Judge of POSHAN week at JPN organized by Dietics division.</li> <li>➤ Appointed as External examiner for MCh Trauma &amp; Critical Care AIIMS Rishikesh.</li> <li>➤ Appointed as Internal examiner for MCh Plastic, Reconstructive &amp; Burns Surgery, AIIMS, New Delhi</li> <li>➤ Expert committee member for grant of Intramural Research funds (clinical) 2021-2022</li> <li>➤ Core teaching faculty for NIDM (National Institute of Disaster Management) for teaching &amp; training on first aid and Covid appropriate behaviour during disaster</li> <li>➤ Member committee for internal assessment for KAYA KALP at JPNATC</li> <li>➤ Evaluated MCh thesis of AIIMS Rishikesh for Trauma Surgery&amp; Critical Care</li> <li>➤ Awarded Extramural Grant from ICMR for a collaborative project on Amputees.</li> </ul>	<b>2021-2022</b>

<ul style="list-style-type: none"> <li>➤ Member Board of Studies AIIMS Rishikesh for approval of MCh Curriculam 2020-21</li> <li>➤ Awarded patent from Govt. of India for an innovative wound care device</li> <li>➤ <b>Granted patent</b> by patent office GOI for an invention entitled: A wound dressing for combined Negative pressure and Fluid delivery system</li> <li>➤ <b>Organizing Secretary</b>, “ISTAC Consensus Meeting for formulation of management guidelines for Solid Organ Injuries” on 19<sup>th</sup> January, 2020 at DELNET, JNU Campus, Vasant Kunj, New Delhi</li> <li>➤ Nominated as National Trainer for Emergency Care Training for Medical Officers by National Health Mission, MoHFW, GOI</li> <li>➤ Nominated as member of International Surgical Wound Complications Advisory Panel (<b>ISWCAP</b>)</li> <li>➤ Appointed as <b>Principal Secretary’s nominee</b> for hospital based authorization committee of Transplantation of organs and tissues, Govt. of NCT of Delhi 2020-2021</li> <li>➤ <b>Organizing Secretary-</b> Annual conference of Indian society for Trauma &amp; Acute Care (ISTAC) “Trauma 2020 Virtual Conference” on 3<sup>rd</sup> to 5<sup>th</sup> December 2020 on a virtual platform.</li> <li>➤ Member AIIMS Intramural Grant for research project committee 2020-2021</li> <li>➤ Reviewer IJOS (Indian Journal of Surgery)</li> </ul>	<b>2020-2021</b>
<ul style="list-style-type: none"> <li>➤ Awarded membership of The <b>American Association for the Surgery of Trauma (AAST)</b> 2020</li> <li>➤ External expert for Pre-bid meeting for procurement of the mannequins at SGPGIMS, Lucknow (12<sup>th</sup>February, 2020)</li> <li>➤ Expert Committee for job role of 'Dresser' organized by Healthcare Sector Skill Council (HSCC) under the Ministry of Skill development &amp; entrepreneurship on 4<sup>th</sup>Feb 2020 at Indian Habitat Centre, New Delhi.</li> <li>➤ Invited as Judge for Paper Presentation on Road Safety on 27<sup>th</sup>December, 2019 at IIT, New Delhi</li> <li>➤ Invited as Mentor faculty to attend XIII Indian Medtech Summit organized by School of International Biodesign on 07<sup>th</sup>December, 2019 at Indian Habitat Centre, New Delhi.</li> <li>➤ Invitation to attend session on “Health for All: Scaling Innovations to Reach billions” at the India-Sweden Business summit organized by Swedish Ministry of Health and Social Affairs in New Delhi 03<sup>rd</sup>December, 2019</li> <li>➤ Invited as a technical expert to attend “Inter facility Referral and emergency care in the public health systems “by center for community medicine AIIMS Delhi, PHFI &amp; Action Research and Training for Health (ARTH) 25<sup>th</sup>November, 2019</li> </ul>	<b>2019-2020</b>

<ul style="list-style-type: none"> <li>➤ Invited to meeting for the “Situational Analysis of Burn Injuries” project on 06<sup>th</sup> September, 2019 at PGIMER Building, Dr. RML Hospital, New Delhi</li> <li>➤ Chairperson Trauma session at SURGICON 2019, New Delhi</li> <li>➤ Member of Expert Group, " *Development of First Aid for the Community*", a WHO project in association with the Ministry of Health and Family Welfare</li> <li>➤ Appointment as Visiting Professor in Department of Trauma Surgery at AIIMS, Rishikesh</li> <li>➤ Appointed as Principal Secretary nominee for hospital based authorization committee of Transplantation of organs and tissues, Govt of NCT Delhi</li> <li>➤ Standing Selection committee member for faculty selection AIIMS, Rishikesh</li> <li>➤ Member editing committee for Research Manual AIIMS New Delhi</li> <li>➤ Committee Member for second Research Day celebration of AIIMS, New Delhi.</li> <li>➤ ACMS External Examiner for Practical Examination / Viva-Voce by Guru Gobind Singh Indraprastha University, Sector 16-C, Dwarka, New Delhi</li> <li>➤ Nominated as Faculty Incharge to verify bill’s claim of LTC of officials having from Grade pay (pay matrix) level 01 to 10 at JPNATC, AIIMS, New Delhi.</li> <li>➤ Reviewed for Case Reports in Radiology.</li> <li>➤ Reviewed for Indian Journal of Neurotrauma.</li> </ul>	
<ul style="list-style-type: none"> <li>➤ Led the training of 800 students for first responder program organized by Indian Road Safety Campaign run by Delhi IIT students at DTU Delhi on 30<sup>th</sup>October 2018 Placed in Limca Book of Records</li> <li>➤ Appeared on FM Rainbow on live air show titled Road safety for all on 27<sup>th</sup> March 2018</li> <li>➤ Internal examiner for 1<sup>st</sup> AIIMS MCh examination of Trauma Surgery &amp; Critical Care at AIIMS Delhi</li> </ul>	<b>2018-2019</b>
<ul style="list-style-type: none"> <li>➤ Nominated member from AIIMS to attend Managing Disabilities: Role of Assistive technologies organized by ICMR supported by WHO titled Stakeholder’s Consultative workshop on Dec 14-15 2017, Parwasi Bhartiya Kala Kendra Delhi</li> <li>➤ Invited to visit ALC (Artificial Limb Center) Pune to upgrade the Amputation Rehabilitation for Trauma patients at JPNATC</li> <li>➤ Appeared on FM Rainbow on live air show titled Road safety for all on 19<sup>th</sup> December 2017</li> <li>➤ Appeared on Doordarshan for panel discussion on Safety on Deepawali festival</li> </ul>	<b>2017-2018</b>
<ul style="list-style-type: none"> <li>➤ Awarded Fellowship of Royal College of Surgeons (Glasgow)FRCS in 2016</li> <li>➤ Core Faculty Member for Breast Cancer Awareness Program organized by Ministry of Health &amp; Family Welfare, Govt. of India from 14<sup>th</sup> November -27<sup>th</sup> November, 2016 at Pragati Maidan, New Delhi</li> <li>➤ Organizing Secretary 3<sup>rd</sup> World Trauma Congress 2016, 17<sup>th</sup>-20<sup>th</sup>August, 2016 at VigyanBhawan, New Delhi.</li> </ul>	<b>2016-2017</b>

<ul style="list-style-type: none"> <li>➤ Principal Investigators Meeting of a Bilateral International Research Project under Australia India Strategic Research Fund, <b>Melbourne</b>, Australia from 18<sup>th</sup> -25<sup>th</sup> April, 2016.</li> <li>➤ First prize for paper presented by Ms. Savita Shokeen entitled “Study to analyze the facts causing delay in dispatch of dead bodies declared in OR to mortuary.</li> <li>➤ Third prize for poster presented by Ms. Shallu Chauhan entitled “Comparison of severity of injuries in pedestrian struck by motorized two wheelers and four wheelers”.</li> <li>➤ First prize for poster presented by SheejaShaji entitled “Cost comparison of dressing in Hospital versus at home at level I Trauma Centre”.</li> <li>➤ Award Travel Scholarship by ICRC to attend 30<sup>th</sup> Surgical Seminar. The Management of Patients with War Wounds at <b>Geneva</b>, Switzerland</li> <li>➤ First prize for Kaya Kalp 2016-2017, Core Team Member for AIIMS by Ministry of Health &amp; Family Welfare, Govt. of India.</li> </ul>	
<ul style="list-style-type: none"> <li>➤ Awarded Fellowship of Indian Association of Medicolegal Experts <b>FIAMLE</b> (2016 Feb)</li> <li>➤ Country Director India : The South Asia Injury Prevention project</li> <li>➤ <b>Organizing member</b> AIIMS for "MEDICAL TEXTILES CONCLAVE 2015: An Interface between Medical and Textile Fraternity</li> <li>➤ <b>Organizing committee member</b> GEST(Glasgow Emergency Surgery &amp; Trauma Symposium) at AIIMS, New Delhi in collaboration with Royal college of Physicians and Surgeons of Glasgow</li> <li>➤ Co-editor Journal of Society of Wound Care and Research</li> <li>➤ Member Selection Committee, Manipur Public Service Commission for Surgery Specialist</li> <li>➤ Member Diamond Jubilee celebration of AIIMS Committee</li> <li>➤ Member Kaya Kalp (KRA 4) Committee AIIMS</li> <li>➤ Faculty Incharge and Member Secretary Cafeteria AIIMS</li> <li>➤ Faculty Incharge Physiotherapy Unit at JPNATC, AIIMS</li> <li>➤ Faculty Incharge Laundry and CSSD, JPNATC</li> <li>➤ Member Women Grievance Cell Committee, AIIMS</li> <li>➤ Organizing Secretary Endosurg 2016, held at AIIMS</li> <li>➤ Core faculty member National Institute of Disaster Management ,India</li> <li>➤ Internal examiner for MS (Surgery)AIIMS, New Delhi</li> <li>➤ External examiner for MBBS Final Professionals at Army Medical College, IP Univ, Delhi</li> </ul>	<b>2015-2016</b>
<ul style="list-style-type: none"> <li>➤ Scientific Chair Endosurgg 2014, held at AIIMS</li> <li>➤ Scientific Chair - Trauma 2014 International CME and conference of Trauma and Acute Care</li> <li>➤ Convener PG Update, Endosurg 2015, held at AIIMS</li> </ul>	<b>2014-2015</b>
<ul style="list-style-type: none"> <li>➤ Awarded Woman of Substance Award on International Women’s Day 8<sup>th</sup> March 2013 by Parvatiya Sanskritik Sansthan, Delhi</li> </ul>	<b>2013-2014</b>

<ul style="list-style-type: none"> <li>➤ Organizing Secretary: Sixth AIIMS Surgical week and Endosurg-2013, International CME cum Live Workshop. 15<sup>th</sup> – 17<sup>th</sup> March 2013</li> <li>➤ Scientific Chair Trauma 2013 International CME and conference of Trauma and Acute care</li> <li>➤ Member hospital infection control committee (HIC) JPNATC 2013</li> <li>➤ Member Post Graduate Counselling committee for allocation of MD/MS Seats</li> <li>➤ Internal examiner for AIIMS MBBS Final Professionals</li> <li>➤ Faculty In charge Institute Cafeteria committee 2013</li> <li>➤ Faculty Incharge Physiotherapy Unit at JPNATC, AIIMS</li> <li>➤ Faculty Incharge and Member Secretary Cafeteria AIIMS</li> <li>➤ Co-editor Journal of Society of Wound Care and Research</li> </ul>	
<ul style="list-style-type: none"> <li>➤ Awarded fellow of American College of Surgeons in Plastic and Reconstructive Surgery (2012)</li> <li>➤ Organized as Course Director DEMEX (Delhi Emergency Management Exercise) for Delhi Govt doctors at JPNATC, AIIMS 29<sup>th</sup> Nov-1<sup>st</sup> December 2012</li> <li>➤ Scientific Chair - Trauma 2012, International Conference, CME cum Live Workshop &amp; 4th Annual conference of the Indian Society Trauma and Acute Care (ISTAC) 23<sup>th</sup> – 25<sup>th</sup> Nov. 2012</li> <li>➤ Awarded the <b>DST (Department of Science &amp; Technology)</b> Travel Fellowship to present papers at SAWC Fall 2012(Symposium on Advancement of Wound Care held at <b>Baltimore</b> USA from 12<sup>th</sup>-14<sup>th</sup> September 2012</li> <li>➤ Awarded with Research Poster Review and Critique at Symposium on Advanced Wound Care Fall 2012 at <b>Baltimore</b>, MD, USA (Sept 2012) for the poster; Does involvement of wound care nurse improve patient satisfaction and wound healing: An experience from level 1 trauma center, India</li> <li>➤ Awarded Fellowship of International College of Laparoscopic Surgeons (FICLS) at Endosurg - 2012 held at AIIMS, Delhi</li> <li>➤ Shot a program for <b>Discovery channel UK</b> for operating an unusual injury in a child</li> <li>➤ <b>Member</b> committee for formulating First Responder Guidelines for National School Safety Program at NIDM (2012)</li> <li>➤ Internal examiner for MBBS Students at AIIMS Professional examination 2012-2013</li> <li>➤ Internal examiner at Army College of Medical Sciences, (ACMS, GGSU Delhi) 2012-13</li> </ul>	<b>2012-2013</b>
<ul style="list-style-type: none"> <li>➤ Member Association for Advancement of Wound Care 2011</li> <li>➤ Awarded membership of <b>European Society for Trauma and Emergency Surgery (ESTES)</b> 2011</li> <li>➤ Member International Society of Burn Injuries (ISBI) 2011</li> </ul>	<b>2011-2012</b>



<ul style="list-style-type: none"> <li>➤ Kalpana Chauhan award by Uttarakhand society for operating upon and saving the life of folk singer Kalpana Chauhan (August 2010)</li> <li>➤ <b>Best paper award</b> as co-author of paper titled elective blood ordering schedule for general surgery and neurosurgery departments in a tertiary trauma care center in India at Trauma 2010 held at JPNATC, AIIMS</li> <li>➤ <b>Best poster award</b> as co-author of paper titled Evaluation of amylase and lipase estimation in blunt trauma abdomen patients: A prospective study in a tertiary trauma care hospital, north India at Trauma 2010 held at JPNATC, AIIMS</li> <li>➤ Course co-ordinator for <b>1<sup>st</sup> Basic Plastic and Reconstructive Surgery course (BPRS)</b> held at JPNA Trauma center AIIMS 31<sup>st</sup> July-1<sup>ST</sup> August 2010</li> <li>➤ Awarded Travel Scholarship by ICRC to attend 30<sup>th</sup> Surgical Seminar the Management of Patients with War Wounds at Geneva, Switzerland</li> <li>➤ <b>Joint- Secretary:</b> Fourth AIIMS Surgical week and Endosurg-2010, International CME cum Live Workshop. 26<sup>th</sup> – 28<sup>th</sup> March 2010</li> <li>➤ <b>Course director for Maxillofacial Workshop</b> at Trauma conference 2008,2009, 2010</li> <li>➤ Co- editor Journal of Society for Wound Care and Research (JWSCR) (2010)</li> </ul>	<b>2010-2011</b>
<ul style="list-style-type: none"> <li>➤ <b>Best paper award</b> as co-author of paper titled Cardiac injury- Our experience at level 1 trauma center at Trauma 2009 held at JPN Apex trauma center, AIIMS</li> <li>➤ <b>Shaurya Puraskar</b> (January 2009) for operating upon a patient with impaled Iron rod.</li> <li>➤ Co-ordinator from Trauma center for Health exhibition on Institute Day the 25<sup>th</sup> -27<sup>th</sup> September 2009</li> <li>➤ <b>Scientific Convener</b> - Trauma 2009, International conference, CME cum Live Workshop &amp; 2<sup>nd</sup> Annual conference of the Indian Society Trauma and Acute Care (ISTAC) 12<sup>th</sup> – 15<sup>th</sup> Nov. 2009</li> <li>➤ <b>1<sup>st</sup> prize for Oral paper</b> presentation by Neeraj Gupta, as co-author titled Cardiac injury- Our experience at level 1 trauma center in Trauma 2009, 12<sup>th</sup>-15<sup>th</sup> November JPN Apex Trauma Center, AIIMS</li> </ul>	<b>2009-2010</b>
<ul style="list-style-type: none"> <li>➤ Received Prize in Debate competition for Staff and Faculty members organized by Hindi Section AIIMS during Rajbhasha Hindi Protsahan Saptah (2009)</li> <li>➤ <b>1st Prize for Oral paper</b> presentation by GyanS, Sagar S, Singhal M, Sagar R; Microsurgical penile replantation following self-amputation in a patient with psychosis; Trauma 2008, JPN Apex Trauma Center, AIIMS</li> <li>➤ Instructor faculty for Advanced Trauma Life Support(ATLS) course, India certified by the American College of Surgeons- Committee on Trauma</li> <li>➤ <b>Limca book of Record</b> includes Sushma Sagar (2008) for operating Supratim Dutta, impaled with Iron rod.</li> </ul>	<b>2008-2009</b>

<ul style="list-style-type: none"> <li>➤ <b>Best paper award</b> as author for paper titled Successful microsurgical penile replantation following self-amputation in a schizophrenic patient at Trauma 2008 held at JPNATC, AIIMS</li> <li>➤ Joint Secretary: Second AIIMS Surgical week and Endosurg-2008, International CME cum Live Workshop. 26<sup>th</sup> – 30<sup>th</sup> March 2008</li> </ul>	
<ul style="list-style-type: none"> <li>➤ 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 <b>Israel</b> December 2007.</li> <li>➤ Awarded the <b>DBT Travel Fellowship</b> (Department of Biotechnology, Govt. of India), for Indo-Israeli Trauma and MCS Management Course, December 2007.</li> <li>➤ Member Editorial board AIIMS annual report 2007-08 ,2008-09</li> <li>➤ <b>Faculty Incharge Physiotherapy</b> Services, JPN Trauma Center AIIMS</li> <li>➤ Founder Member: Indian Society for Trauma and Acute Care</li> <li>➤ Awarded Life membership of Association for Trauma Care in India.</li> <li>➤ Awarded Life membership of Indian society for Reconstructive Microsurgery.</li> <li>➤ Awarded Life membership of International Society for Burn Injuries.</li> <li>➤ Awarded Life membership of National Academy of Burns India.</li> <li>➤ Instructor: BLS/ ACLS Course awarded by American Heart Association.</li> </ul>	<b>2007-2008</b>

### Expert Member

1. Member **Dean Committee** for DM Student redressal, AIIMS, Delhi
2. Member **Intramural Research project grant committee**, AIIMS Delhi
3. Member Women Grievance Cell committee AIIMS, Delhi
4. Member **Research committee to approve selection of Research scholars** at AIIMS, Delhi
5. Expert member for DMC for disciplinary committee
6. Member Poster exhibition committee for 1<sup>st</sup> AIIMS Research Day celebration
7. Member review committee Journal of Medicine and Medical Sciences (JMMS)
8. External expert for selection committee for faculty recruitment at AIIMS, Rishikesh
9. Expert member to inspect for starting of academic courses in Trauma & Critical Care at AIIMS Patna
10. Chief Guest on the occasion of World Trauma Day organized by Dept. of Trauma Surgery at AIIMS Rishikesh
11. Core teaching faculty member for NIDM (National Institute of Disaster Management)
12. Medical expert member for iSafe, an initiative by IRSC (Indian Road Safety campaign) by IIT Delhi students
13. Medical expert member for initiative on Safer roads for Gurugram in collaboration with UNITAR, AB InBev

14. Member Technical Group for Drafting and Review of Curriculum for the First Aid Module for the Community. WHO and MOHFW, Govt. of India.
15. Core committee member for creation of Burns, Plastic & Reconstructive Surgery department at AIIMS Delhi
16. Core committee member for drafting module for MCh Trauma Surgery and Critical Care AIIMS Delhi
17. Core committee member for drafting module for MCh Burns Plastic and Reconstructive Surgery at AIIMS Delhi
18. Community activity with Indian Road safety campaign(IRSC)&MoRTH for community first aid training and Road safety
19. Core teaching faculty for NIDM (National Institute of Disaster Management) for teaching & training on first aid and Covid appropriate behaviour during disaster
20. Core faculty member for NBE fellowship program on Trauma and Acute care surgery
21. Faculty member for Save Life Foundation (NGO) for training bystanders and police personnel to provide first aid to trauma victims
22. Course faculty for Disaster Health Management module at **NIDM** (National Institute of Disaster Management) Delhi
23. Member Technical Group for Drafting and Review of Curriculum for the First Aid Module for the Community. WHO and MOHFW Govt. of India
24. Expert member to inspect for starting of academic courses in Trauma & Critical Care at AIIMS Patna 2019

### **Institutional**

- Mentor faculty for 2 students of School of International Biodesign(SIB)AIIMS Delhi for developing patient care device.
- Expert committee member for grant of Intramural Research funds (clinical) 2020-2021
- Supervision of Teleconsultation services for Trauma surgery follow up patients.
- Conduct of online teaching programs for the residents of MCh Trauma Surgery
- Conduct of online MS Surgery exams, AIIMS Delhi, MBBS Supplementary exam AIIMS Delhi and conduct of MCh Trauma Surgery exam (entrance and exit)
- Member Research committee to formulate Research manual for the institute 2019-2020
- Member Intramural Research project grant committee, AIIMS Delhi 2018-2020
- Member Dean Research committee AIIMS 2017-2020
- Member Dean Committee for DM Student redressal, AIIMS, Delhi 2019
- Member Women Grievance Cell committee AIIMS, Delhi 2016-2019
- Member Research committee to approve selection of Research scholars at AIIMS, Delhi 2017-19
- Member Poster exhibition committee for 1st AIIMS Research day celebration 2019
- Internal examiner for 1<sup>st</sup> AIIMS MCh exam of Trauma Surgery and Critical Care at AIIMS Delhi -2018
- Member hospital infection control committee (HIC) JPNATC 2013-2019

- Faculty In charge Institute Cafeteria committee 2013-2017
- Faculty In charge CSSD (Central Sterilization Service Deptt) at JPN Trauma center AIIMS 2006-2017
- Faculty Incharge Physiotherapy Services, JPN Trauma Center AIIMS 2006-2017
- Member AIIMS Annual Report committee 2008-09

#### **Editorships and membership on Editorial Boards:**

- Member Editorial board AIIMS Annual report (2008-2009).
- Associate Editor Journal of Society for Wound Care and Research (JWSCR)
- Member review committee Journal of Medicine and Medical Sciences (JMMS)

#### **Society Memberships:**

- Awarded membership of National Academy of Medical Sciences (**NAMS**) 2021
- Awarded membership of The American Association for the Surgery of Trauma (**AAST**) 2020
- Awarded membership of Indian Association of Traumatology & Critical Care (**IATCC**) 2018
- Member Association of Women Surgeons (**AWS**) 2013
- Awarded membership of European Society for Trauma and Emergency Surgery (**ESTES**) 2011
- Member Association for Advancement of Wound Care (**AAWC**) 2011
- Member International Society of Burn Injuries (**ISBI**) 2011
- Awarded membership of World Association for Disaster and Emergency Medicine (**WADEM**) 2008.
- Founder member of Indian Society for Trauma & Acute Care (**ISTAC**) 2008.
- Member Save Life Foundation. 2008
- Executive Member: Indian Hernia Society (IHS)2007
- Member Association of Surgeons of India (ASI). 2006
- Member Association of Society of Wound Care and Research (SWCR) 2000
- Member National Association of Burns India (NABI) 1997

### **RESEARCH**

#### **Funded projects As Principal Investigator (*Ongoing*)**

<b>S. No.</b>	<b>Title of the project</b>	<b>Name of Principal Investigator</b>	<b>Funded by (Name of funding agency)</b>	<b>Duration (years)</b>	<b>Start year–End year</b>	<b>Total funds sanctioned (₹)</b>
<b>1.</b>	Surgical Innovation Laboratory (SIL) for advancing Patient care, Education and Research	Dr. Sushma Sagar (PI)	ICMR-MDMS	3 years	2022-2025	4.40 Cr

2.	Low-cost virtual reality sensorimotor robotic intervention for management of phantom limb pain in below elbow amputees following trauma	Dr. Sushma Sagar (PI)	AIIMS-UCL Collaborative Research	1 Year	2023-2024	10 Lacs
3.	Setting up of National Center for Assistive Health Technology (NCAHT)	Dr Sushma Sagar (Co-PI)	ICMR	5 years	2021-2025	45 Cr
4.	Impact of rTMS versus drug therapy on phantom limb pain in lower limb amputation patients: A Randomized control trial	Dr Sushma Sagar	ICMR	3	2021-2024	55 Lacs
5.	Impact of Psychosocial Intervention on Quality of Life and Stress Biomarkers in Patients with Traumatic Limb Amputation/s: A Randomized Controlled Trial	Dr Sushma Sagar (Co-PI)	ICMR	3 Years	2023-2026	63 Lacs
6.	To study the effect of Immediate Post Operative Prosthesis in relation to post-surgical outcome, balance and quality of life in Above Knee Amputation patients (post traumatic): A Pilot Randomized Controlled Trial	Dr. Sushma Sagar (Co-PI)	ICMR	3 Years	2022-2025	65 Lacs
7.	Impact of yoga intervention on functional assessment and, quality of life in pelvic injury patients at level I trauma centre- A Randomized Control Trial	Dr.Sushma Sagar (Co-PI)	DST	3	2021-2024	37 Lacs
8.	“An RCT to study the effect of Immediate vs Delayed application of Prosthesis in BK Amputation patients in relation to Balance and QOL”	Dr.Sushma Sagar (Co-PI)	Intramural AIIMS	2	2020-2022	10 Lacs

**Projects (As Co-Investigator)**

S. No.	Title of the project	Name of Principal Investigator	Funded by (Name of funding agency)	Duration (years)	Start year–End year	Total funds sanctioned (₹)
1.	To study the effectiveness of Trauma Quality Improvement Programs (TQIP's) in improving Trauma Care outcomes at Tertiary Care Hospitals in India	Dr. Sushma Sagar (Co-I)	ICMR	3 years	2023-2026	6.4 cr
2.	Post-operative outcomes and mortality following emergency surgery in COVID suspect patients: A retrospective analysis from tertiary care center in India	Co- I				
3.	Effect of rTMS of dorsolateral prefrontal cortex(DLPFC) in patients with phantom limb pain : An RCT	Co- I				
4.	Evaluation of a novel herbal antiseptic formulation-SEPIL for the treatment of chronic limb ulcers and pressure ulcers: A randomized, double blind, placebo controlled trial	Co- I	Non funded		2020-2023	
5.	An Intervention Study of developing robust trauma care systems in India	Co- I	ICMR	3	2019–22	53 lacs
6.	Role of neutrophils & new immune cells in outcome of Chest trauma patients	Co- I	ICMR	3	2019–2022	36 Lacs
7.	Comparison of laparoscopic feeding gastrostomy vs Percutaneous endoscopic gastrostomy for long term assisted enteral feed in trauma patients – An RCT	Co- I	AIIMS Intramural Project	2	2019-2021	4.75 lacs
8.	To study efficacy of amniotic membrane as an alternative wound dressing in patients with post traumatic raw area admitted in trauma surgery unit	Co- I	AIIMS Intramural Project	1	2018-2020	10 Lacs

9.	Metabolomic Profiling and Serial Changes in Patients with Isolated Blunt Chest Trauma A Prospective, cohort, feasible and exploratory study	Co- I	AIIMS Intramural Project	2	2019-2021	5 Lacs
10.	A system biology approach using Proteomic, metabolomics and metagenomics of saliva of oral cancer patients for identification of potential biomarkers.	Co- I	ICGEB Core Fund	3	2015-2018	25 Lacs
11.	Development of Wound Registry at Trauma Center AIIMS	Co-I	AIIMS	1	2011-2012	1 lac
12.	A Randomized Controlled Trial of Early versus Late Tracheostomy in Critically ill Trauma Patients.	Co-I	AIIMS	2	2011-2013	1 Lac

### Completed

S. No.	Title of the project	Name of Principal Investigator	Funded by (Name of funding agency)	Duration (years)	Start year–End year	Total funds sanctioned (₹)
1.	A Randomized Control Trial to study the impact of Yoga Intervention in lower limb amputees following trauma in relation to postsurgical outcome, behavior and quality of life at Level – I Trauma Center	Dr Sushma Sagar (PI)	DST	3	2017-2021	54 lacs
2.	Situational Analysis for Burn Injuries	Dr. Sushma Sagar (Co-PI)	Ministry of Health & Family Welfare under the NPPMBI Scheme	3	2017-2020	10 lacs
3.	An Intervention Study on Comprehensive Emergency Care and Trauma Registry for Road Traffic Injuries in India	Dr. Sushma Sagar (Co-PI)	ICMR	2	2017-2019	32 lacs
4.	Controlled clinical trial to assess the effectiveness of topical application of C1 herbal	Dr. Sushma Sagar (Co-PI)	AYUSH	2	2017-2019	30 lacs

	oil on superficial external wound and split thickness skin graft donor					
5.	To study the impact of Yoga on Pulmonary Functions, Immune Response & Quality of Life in Chest trauma patients at Level-1 Trauma Center	Dr. Sushma Sagar (Co-PI)	DST	3	2016-2019	40 lacs
6.	To evaluate Results of Soft Tissue Reconstruction and Augmentation with Structural Fat Grafting in Patients with Post Traumatic Facial Disfigurement.	Dr. Sushma Sagar (PI)	DST Women Scientist	3	2015-2018	30 lacs
7.	A multicentric efficacy and safety study of Fibroheal® (Centella Asiatica herbal wound healing sheet) in split-thickness skin graft donor site treatment and partial thickness wounds caused by trauma (phase IV Trial)	Dr Sushma Sagar (PI)	DBT (SBIRI)	1	2013-2014	1 lac
8.	Cleft Lip and Palate anomaly in India: Clinical profile, Risk factors and current status of treatment – Hospital based surveys”	Dr Sushma Sagar (Co-I)	ICMR	5	2013-2017	37 lacs
9.	To compare the effectiveness of VAC (Vacuum Assisted Closure) therapy to conventional treatment of Amputation stump	Dr Sushma Sagar (PI)	AIIMS	1	2011-2012	1,00,000/-
10.	Comparison of Sustained silver ion releasing foam based dressing with conventional paraffin gauze dressing in donor area	Dr Sushma Sagar (PI)	AIIMS	1	2011-2012	1,20,000/-
11.	Ultrasonic debridement of post traumatic wounds	Dr Sushma Sagar (PI)	AIIMS	1	2010-2011	60,000/-
12.	Comparison of Sustained silver ion releasing foam based dressing with conventional paraffin gauze dressing in donor area	Dr Sushma Sagar (PI)	Coloplast	1	2008-2009	1,20,000/-
13.	Role of H. Pylori in benign and malignant gall bladder diseases	Dr Sushma Sagar (PI)	AIIMS	1	2006-2007	60,000/-



## Collaborative Projects

S. No.	Title of the project	Name of Principal Investigator	Funded by (Name of funding agency)	Duration (years)	Start year–End year	Total funds sanctioned (₹)
1	Capacity building and strengthening of Hospital Infection Control to detect and prevent antimicrobial resistance in India (CDC)	Dr. Sushma Sagar (Co-PI)	CDC	5	2015-19	
2	Evaluation of adaptability of indigenously developed low-cost light weight polycentric polymeric knee joint (PPKJ) and its effect on quality of life & rehabilitation on post traumatic transfemoral amputees	Dr Mohit Joshi				
3	Evaluation of a novel herbal antiseptic formulation-SEPIL for the treatment of chronic limb ulcers and pressure ulcers: A randomized, double blind, placebo-controlled trial	Dr. Vijay Sharma				
4	Effect of repetitive transcranial magnetic stimulation (rTMS) of dorsolateral prefrontal cortex (DLPFC) in patients with phantom limb pain	Dr Akansha Singh				
5	Evaluation of outcome of three dimensional printing model and stimulation program for post traumatic nasal deformities correction	Dr Raj Manas				
6	Capacity building and strengthening of Hospital Infection Control to detect and prevent antimicrobial resistance in India (CDC)	Dr. Sushma Sagar (Co-PI)	CDC	5	2015-19	\$ 1,514,087
7	Development and Validation of an Electronic Surveillance System for Surgical Site Infections Developing During Hospital Stay and After Discharge: A Multi-Centric Study.	Dr. Sushma Sagar (Co-PI)	ICMR	3	2016-19	1.31 crore
8	Project on Capacity Building for Advanced Trauma Life Support in India (PPCB-ATLSI)	Co- I	NDMA	3	2016-18	4.32 crores
9	Prognostic Significance of Cytokines and Biomarkers in Patients with Traumatic Lung Injuries	Co -I	AIIMS	2	2014-16	10 Lacs
10	Reducing the Burden of Injury in India and Australia through Development and Piloting of Improved Systems of Care, (DST4	Co-I	DST	4	2013-16	2.74 crores

	Years, 2013-2017, 2.74 Crore)					
11	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.	Co- I	AIIMS	2	2013	1 Lac
12	Sericin based value added Pressure garments	Dr. Sushma (In collaboration with IIT Delhi) (Co-PI)	DBT	3	2013-15	35 lakhs

### Thesis/Dissertations

1.	To compare the effect of Isokinetic training with Conventional exercises in patients with above knee amputation following trauma in relation to Prosthesis adaptability and Gait: A Randomized Controlled Trial ( <b>Chief-Guide PhD</b> )
2.	To Analyse predictors of activation of major hemorrhagic protocol
3.	To study the effect of kinesiotaping on pain in patients with thoracic trauma – A Prospective Randomized Controlled Trial.
4.	To study the effect of small-bore size chest tube on pain in patients with thoracic trauma - A Randomized control trial ( <b>Co-Guide MCh</b> )
5.	A Randomized Controlled Trial to See the Effect of Post-Operative Systemic Anticoagulation in Patients Undergoing Post Traumatic Medium Sized Vessel Repair( <b>Chief Guide MCh</b> )
6.	Development and Validation of multiplex quantitative Real-time Polymerase Chain Reaction assay for culture-independent detection of microorganisms and their antimicrobial resistance gene causing Blood Stream Infection ( <b>PhD Scholar, Co-Guide</b> )
7.	To study the Co-relation between Rhabdomyolysis and Liver Function Biomarkers in Musculoskeletal Trauma: A Prospective Observational Study ( <b>Co-Guide</b> )
8.	To Compare the outcome of Modified Shoelace Technique versus Negative Pressure Wound Therapy (NWT) assisted skin approximation of lower limb fasciotomy wounds in trauma patients - a Pilot Randomized Controlled Trial at a Level I Trauma Centre ( <b>Co-Guide MCh</b> )
9.	To evaluate the impact of N-Acetylcysteine (NAC) use in the treatment of traumatic lower extremity vascular injury – A Pilot Randomized Controlled Trial ( <b>Co-Guide MCh</b> )
10.	To compare frequency of monitoring with Haemoglobin and Haematocrit in patients with Blunt Abdominal Trauma undergoing Non-Operative Management: A Randomized Controlled Trial ( <b>Co-Guide MCh</b> )
11.	Comparison of pain status in patients undergoing Targeted Muscle reinnervation versus Conventional stump preparation following post traumatic above knee amputation: A Randomized control trial ( <b>Co-Guide MCh</b> )

12	To study the effect of combination therapy (NPWT + Topical oxygen) versus Negative pressure wound therapy (NPWT) alone on large post traumatic wounds: A pilot Randomized Control Trial ( <b>Chief Guide MCh</b> )
13	Impact of Psychosocial Intervention on Quality of Life in patients with Post-traumatic Limb amputation/s: A Randomized Controlled Trial ( <b>Co-Guide MCh</b> )
14	To study the effect of initial irrigation and suction on outcome of patients with traumatic hemothorax: A Randomized Controlled Trial ( <b>Co-Guide MCh</b> )
15	Prophylactic antibiotic use in abdominal trauma patients undergoing operative intervention- A Randomized Controlled Trial ( <b>Co-Guide MCh</b> )
16	Analysis of patterns of neck trauma and its outcomes at a Level I Trauma Center- An ambispective observational study ( <b>Co-Guide</b> )
17	Effect of repetitive trans cranial magnetic stimulation (rTMS) in phantom limb pain ( <b>Co-Guide</b> )
18	Analysis of the contributing factors leading to death in trauma patients in a level 1 trauma center ( <b>Co-Guide MCh</b> )
19	To assess the impact of early cryoprecipitate administration on blood component usage in trauma patients presenting with class III haemorrhagic shock or more. ( <b>Co-Guide MD</b> )

## Completed

S. No.	Title of the project
1.	A Randomized Controlled Trail to study the effect of Immediate Post Operative Prosthesis versus Conventional Prosthesis on Balance, Quality of Life (QoL) & Psychological Status in Below-Knee Amputation patients following trauma ( <b>Chief Guide MCh</b> )
2.	A Randomised Control Trial to Compare the Impact of Low pressure negative pleural suction with Under water seal drainage alone in Patients of Thoracic trauma. ( <b>Co-Guide MCh</b> )
3.	A Randomized Control Trial to see the effect of post-operative Systemic Anticoagulation in patients Undergoing Post Traumatic Medium Sized Vessel Repair ( <b>Chief Guide MCh</b> )
4.	A Study to compare and correlate the Thoracic Trauma Severity Score (TTSS) with conventional trauma scores in Chest Trauma patients at a Level -1 Trauma Centre( <b>Co-Guide MCh</b> )
5.	A Randomized Controlled Trial to study the effect of immediate post operative prosthesis (IPOP) vs Conventional prosthesis on Balance, QOL, & Psychological status in below knee amputation patients following trauma ( <b>Chief Guide MCh</b> )
6.	Correlation of Clinical and Radiological Parameters in outcomes of Morel-Lavallee Lesions at a Level-I Trauma Centre ( <b>Co-Guide MCh</b> )
7.	Documentation and Validation of Patient specific implants for mid face defects using 3D printing technology : An exploratory study ( <b>Chief-Guide PhD</b> )
8.	A Randomized Control Trial to Compare the Impact of Low pressure negative pleural suction with Under water seal drainage alone in Patients of Thoracic trauma
9.	Feasibility and implementation of hospital based trauma registry for Road Traffic Injury at different levels of health care setting and it's effects on quality of patient care ( <b>Co-Guide PhD</b> )
10.	Effect of phrenic nerve stimulation on diaphragm strength and thickness : A Randomized controlled trial ( <b>Co-Guide PhD</b> )
11.	Effects of Severity of injury on the Dynamics of Immune Effector Cells (Th1, Th2, Th9, Th7, Th22) and neutrophils and their Correlation with Outcome in Patients with Blunt Thoracic Trauma. ( <b>Co-Guide MCh</b> )

12.	To evaluate the outcome of patients and anatomical status of pancreas after nonoperative management of grade III and IV pancreatic trauma at a level I trauma centre. <b>(Co-Guide MCh)</b>
13.	To compare outcome of early VATS versus alternative approach for evacuation of traumatic haemothorax – A randomized pilot study at Level I trauma centre <b>(Co-Guide MCh)</b>
14.	Prevalence of ionized hypocalcaemia in trauma patients and its role in predicting mortality at a Level I Trauma Center- A prospective observation study <b>(Co-Guide MCh)</b>
15.	Study to analyze the impact of SARS CoV -2 virus infection on outcomes of Trauma Patients at level 1 trauma center <b>(Co-Guide MCh)</b>
16.	A study of abbreviated discharge protocol in patients with blunt liver and/or splenic injury <b>(Co-Guide MCh)</b>
17.	Determining the potential of different components of trauma triad of death on outcome <b>(Co-Guide MCh)</b>
18.	Management & Outcome of Mesh Laparostomy in Patient with Abdominal Trauma at Level 1 Trauma Centre <b>(Chief-Guide MS)</b>
19.	Evaluation of diagnostic characteristics of point of care ultrasound in identification of Maxillofacial fractures as compared to CT scan <b>(Co-Guide MD)</b>
20.	To study clinical and immunological parameters in predicting short term outcomes in polytrauma patients admitted to Trauma Surgery <b>(Chief-Guide MCh)</b>
21.	Evaluation of clinical predictors and outcomes in patients with open abdomen in trauma. <b>(Co-Guide MCh)</b>
22.	To Study the effect of Yoga on Pulmonary functions, Respiratory muscle strength and endurance, chest wall mobility, inflammatory markers and Quality of life in blunt chest trauma patients and their correlation with thoracic trauma severity score at level-I Trauma Centre. <b>(Co-Guide PhD)</b>
23.	Evaluation of the role of a Capacity building program for initial assessment and management of trauma patients in Emergency Department in improving knowledge, skills and attitude of Doctors and Nurses. <b>(Co-Guide MCh)</b>
24.	A study to grade management related complications in acutely injured patients and their correlation with the outcomes at a level 1 trauma center. <b>(Co-Guide MCh)</b>
25.	To study management, outcomes and quality of life in patients with pelvic fractures at level 1 trauma center. <b>(Co-Guide MCh)</b>
26.	Abbreviated discharge protocol in patients with blunt liver and splenic injury: a pilot study. <b>(Co-Guide MCh)</b>
27.	Primary versus Delayed Primary Closure in patients undergoing lower limb amputation following trauma: A Randomized control study <b>(Chief-Guide MCh)</b>
28.	Outcome correlation of initial arterial blood gas analysis in isolated thoracic injury. <b>(Co-Guide MCh)</b>
29.	To study the correlation between clinical parameters and Intra-abdominal pressure and their effect on the non operative management of patients with blunt trauma abdomen at level 1 trauma centre. <b>(Co-GuideMCh)</b>
30.	A Study to Evaluate Utility of Routine use of contrast enhanced computed tomography scan torso in patients presenting with dangerous mechanism of injury in level I trauma centre <b>(Co-Guide MCh)</b>
31.	A pilot study to evaluate the need of post-operative systemic anticoagulation in patients with post traumatic medium size peripheral artery repair: A randomized control trial <b>(Chief-Guide MCh)</b>
32.	Assessment of splenic immune function in patients with blunt splenic injury <b>(Co-Guide MCh)</b>
33.	A study comparing contrast enhanced computed tomography abdomen versus diagnostic laparoscopy in patients with penetrating abdominal trauma: A randomized controlled trial <b>(Co-Guide MCh)</b>
34.	Epidemiology and analysis of predictors of mortality in trauma patients at a level I trauma centre <b>(Co-Guide MCh)</b>

35.	Impact of enhanced recovery after emergency surgery(ERAS) - A study comparing enhanced recovery protocol versus standard care in patients undergoing laparotomy following trauma( <b>Chief-Guide MCh</b> )
36.	A Randomized Pilot study comparing surgical stabilization of Rib Fractures with standard non-operative management among mechanically ventilated patients with severe rib fractures( <b>Co-Guide MCh</b> )
37.	To study the effect of external pelvic fixation on the outcome of patients with pelvic fractures undergoing damage control surgery( <b>Chief-Guide MCh</b> )
38.	An Ambispective observational study to evaluate the outcomes of management of traumatic pancreatic injuries at a level I trauma center.( <b>Co-Guide MCh</b> )
39.	To Study the Role of Prophylactic Antibiotics in patients with chest trauma at a level 1 Trauma Centre: A Pilot Randomized trial( <b>Co-Guide MCh</b> )
40.	Study of the parameters, intervention and outcome in cases of Genito-Urinary Injuries at a level 1 Trauma Center.( <b>Co-Guide MCh</b> )
41.	To study the role of T helper-9, T helper-17, T helper-22, T- Regulatory lymphocytes in Post-Trauma Immunopathogenesis ( <b>Co-Guide PhD</b> )
42.	Assessment of post-trauma cytokine producing potential of monocytes for early diagnosis of organ dysfunction and sepsis (Co-Guide)
43.	Randomized Control Trial: Comparative analysis of orbital volume in 3D-model assisted mesh adaptation versus conventional technique in reconstruction of orbital floor fracture. ( <b>Co-Guide MDS</b> )
44.	Effect of virtual reality therapy on lower limb amputee balance ADL and pain( <b>Chief Guide PhD</b> )
45.	To study splenic functions & complications in patients with blunt splenic injury at level -1 trauma. ( <b>MS Co-Guide</b> )
46.	Role of Liposuction Combined with Subcutaneous Mastectomy in Gynecomastia ( <b>MCh Co-Guide</b> )
47.	A Study To Assess Pancreatic Endocrine and Exocrine Functions in Patients with Pancreatic Trauma ( <b>Co-Guide MS</b> )
48.	Ambi-spective Cohort study to evaluate the oncologic and aesthetic outcomes of Skin sparing mastectomy with implant” ( <b>Co-Guide MS</b> )
49.	Retrospective and prospective evaluation of Epidemiology and Magnitude, Severity, Outcomes of Complicated Soft Tissue injuries at 1 trauma center ( <b>Chief Guide MS</b> )
50.	To study the Magnitude, Severity and Outcome of Peripheral Vascular Injuries at Apex Trauma Center ( <b>Chief Guide Trauma Fellow Army</b> )
51.	Role of Diagnostic Laparoscopy in blunt trauma abdomen ( <b>Co-Guide MS</b> )
52.	Costing of Physiotherapy equipment's and Services at JPNA Trauma center AIIMS, Delhi ( <b>Co-Guide MD Hosp Admn</b> )
53.	Costing of CSSD, Linen and Laundry and Dietary services at JPNA Trauma Centre AIIMS, Delhi ( <b>Co-Guide MD Hosp Admn</b> )
54.	Retrospective and prospective evaluation of magnitude, severity and outcome of Chest trauma at level 1 trauma center ( <b>Co-Guide MS</b> )
55.	Retrospective and prospective evaluation of magnitude, severity and outcome of traumatic hepatobiliary and pancreatic injury in a level 1 trauma center ( <b>Co-Guide MS</b> )
56.	Epidemiological study in the pathway of Maxillofacial Fractures seen at a tertiary care hospital of North India ( <b>Co-Guide MDS</b> )
57.	To study Epidemiology and Trauma scoring in patients presenting in level 1 Trauma center <b>Co Guide MS</b>
58.	Major trauma outcome study at level 1 trauma center ( <b>Co-Guide MS</b> )
59.	Cosmetic outcome following breast oncoplasty ( <b>Co-Guide MS</b> )
60.	Expression of beta hCG in benign and malignant breast diseases ( <b>Co-Guide MS</b> )

## **Publications**

### **Journal Articles**

1. Kaul, R. P.; Malviya, A.; Sagar, S.; Kumar, S.; Markan, S. An Experimental Study and Review to Demonstrate Mechanical and Material Characteristics of 9 Popular Filaments for 3D Printing. Preprints 2024, 2024072483. <https://doi.org/10.20944/preprints202407.2483.v1>
2. Kaul, R. P.; Malviya, A.; Sagar, S.; Kumar, S.; Gupta, A.; Bhutia, O.; Sagar, R.; Singhal, M.; Kumar, A. An Experimental Study Conducted on Material Properties Used in a FDM Printer for Medical Models. Preprints 2024, 2024072481. <https://doi.org/10.20944/preprints202407.2481.v1>
3. James JD, Choudhary N, Bagaria D, Boddeda J, Kumar A, Priyadarshini P, Mishra B, Sagar S, Kumar S, Gupta A. Benefits of Rib Fixation Utilizing Low-Cost Materials: A Randomized Pilot Trial. *Journal of Surgical Research*. 2024 Jul 1;299:322-8.
4. Kabiraj P, Mathur P, Rajput N, Priyadarshini P, Kumar A, Alam J, Choudhary N, Bagaria D, Aggarwal R, Soni KD, Madan K. Effect of severity of injury on immune system and its role in patient outcome in patients with Blunt Trauma to the chest. *10.21203/rs.3.rs-4253254/v1*.
5. Vats D, Bhatia R, Fatima S, Yadav R, Sagar S, Mir N, Khan MA, Singh A. Repetitive Transcranial Magnetic Stimulation of the Dorsolateral Prefrontal Cortex for Phantom Limb Pain. *Pain Physician*. 2024;27(5):E589.
6. Priyadarshi A, Gupta S, Priyadarshini P, Kumar A, Alam J, Bagaria D, Choudhary N, Sagar S, Gupta A, Mishra B, Pandey S. Role of low-pressure negative pleural suction in patients with thoracic trauma-a randomized controlled trial. *European Journal of Trauma and Emergency Surgery*. 2024 Jun 14:1-7
7. Kumar A, Gora D, Bagaria D, Priyadarshini P, Choudhary N, Priyadarshi A, Gupta S, Alam J, Gupta A, Mishra B, Kumar S. Outcomes of Video-assisted Thoracic Surgery-guided Early Evacuation of Traumatic Hemothorax: A Randomized Pilot Study at Level I Trauma Center. *Journal of Emergencies, Trauma, and Shock*. 2024 Apr 1;17(2):73-9.
8. Bagaria DK, Gupta S, Pandey S, Choudhary N, Priyadarshini P, Kumar A, Alam J, Mishra B, Sagar S, Kumar S, Gupta A. Abdominal wall reconstruction (AWR) for post-trauma laparotomy ventral hernia and follow-up assessment of functional quality of life (QOL): experience of a level-1 trauma centre in India. *Hernia*. 2024 Feb 23:1-6.
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#### **Abstracts of Research Presentations (International)**

199. Sagar S, Sagar R, Mir N, Kumar S, Rani P, Chawla N, Gupta A. Epidemiology and Psychiatry Morbidity in Pediatric Amputees following trauma: A Ten- year experience from level I Trauma Centre; presented in 26<sup>th</sup> World Congress of the International Association for Child and Adolescent Psychiatry and Allied Professions – 2024 from 20-24 May, 2024 at Rio De Janeiro, Brazil
200. Sagar S, Alam J, Mir N, Moorthy AS, Sagar R, Kushwaha P, Kumar S, Gupta A, Mishra B, Priyadarshini P, Kumar A, Choudhary N, Bagaria D. RCT to Study Effect of Immediate Post Operative Prosthesis (IPOP) vs Conventional Prosthesis on Balance & QoL in BK Amputees following Trauma; presented in

- 82<sup>nd</sup> Annual meeting of AAST and Clinical Congress of Acute Care Surgery 20-23 September, 2023 at Anaheim, California, USA
201. Kumar S, Priyadarshi A, Priyadarshini P, Kumar A, Alam J, Bagaria D, Choudhary N, Sagar S, Gupta A, Mishra B, Pandey S. Impact of Low-Pressure Negative Suction with Intercostal Tube Drainage in patients with Thoracic Trauma: A Randomized Controlled Trial; presented in 82<sup>nd</sup> Annual meeting of AAST and Clinical Congress of Acute Care Surgery 20-23 September, 2023 at Anaheim, California, USA
  202. Vaidyanathan R, Kumar A, Kumar S, Sagar S, Gupta A, Mishra B, Priyadarshini P, Bagaria D, Choudhary N, Alam J, Khan M, Dany J, MK Arun. Analysis of Clinical Spectrum and Outcomes Following Emergency Thoracotomy in Torso Trauma - A 7 - year Experience from a Level I Trauma Center of LMIC; presented in 82<sup>nd</sup> Annual meeting of AAST and Clinical Congress of Acute Care Surgery 20-23 September, 2023 Online Platform
  203. Rani P, Bagaria D, Gora D, Priyadarshini P, Alam J, Sagar S. Pack to vessel distance in post operative CT scan as indirect marker of pack effectiveness in pelvic injury patients underwent Preperitoneal pelvic packing: An exploratory study; presented in World Trauma Congress (WTC 2023) from 09-12 August, 2023 at Tokyo, Japan
  204. Kakumanu D, Gupta S, Alam J, Priyadarshini P, Kumar A, Choudhary N, Bagaria D, Kumar S, Sagar S. Trauma CPR- A Never Give Up Strategy in a Polytrauma Patient with Multiple Episodes Of Cardio Pulmonary Arrest – A Case Report; presented in World Trauma Congress (WTC 2023) from 09-12 August, 2023 at Tokyo, Japan
  205. Sagar S, Athish K, Mir N, Yadav S, Priyadarshini P, Alam J, Kumar S, Gupta A, Choudhary N, Bagaria D, Kumar A, Sagar R. Hemipelvectomy Following Trauma: Burden Less Identified. A Ten-Year Experience From Level-1 Trauma Centre; presented in WADEM from 09-12 May, 2023 at Dublin, Ireland.
  206. Vijayan.P, Pratyusha.P, Dinesh.B, Mohit.J, Abhinav.K, Narendra.C Subodh.K, Amit.G, Biplab.M, Purva.M Sushma S. Enhanced Recovery After Surgery (ERAS) in patients undergoing emergency laparotomy following trauma: A prospective, randomized controlled trial 5<sup>th</sup> World Trauma Congress in collaboration with AAST 14-18 Feb 2021 Online Platform
  207. Sagar R, Mir M, Sagar S, Sharma U, Mir N. Impact of Yoga Therapy on psychopathology and behaviour of patients undergoing lower limb amputation following trauma: An RCT from a tertiary care trauma center; presented in Symposium on Advanced Wound Care Fall Meeting (SAWC Fall) 12<sup>th</sup> to 14<sup>th</sup> October, 2019 at Las Vegas Nevada, USA
  208. Sagar S, Katiyar A, Kumar S, Kumar A, Priyadarshi P, Gupta A, Mathur P. Surgical Site infection at Traumatic amputation stump resulting in prolongation in hospital stay and delayed rehabilitation: A Study from Tertiary care Level 1 Trauma Centre; presented in Symposium on Advanced Wound Care Fall Meeting (SAWC Fall) 12<sup>th</sup> to 14<sup>th</sup> October, 2019 at Las Vegas Nevada, USA
  209. Sagar S, Gupta S, Dutta N. An Indigenous and Affordable Wound Healing Technology for Accelerated Healing of Medically Complex Wounds: A Boon for Developing Nations; presented in Symposium on Advanced Wound Care Fall Meeting (SAWC Fall) 12<sup>th</sup> to 14<sup>th</sup> October, 2019 at Las Vegas Nevada, USA
  210. Kumar S, Bagaria V, Mathur P, Madan K, Kumari M, Sagar S, Gupta A, Soni KD, Bhattacharjee H. A Prospective to Assess Cytokines (IL-1B, IL-6, IL-8, IL-10 & TNF-A) And Biomarkers (vWF& CC-16) In Patients with Chest Trauma and Their Correlation with Thoracic Trauma Severity Score and Patients' Outcome; presented in 78<sup>th</sup> Annual Meeting of AAST and Clinical Congress of Acute Care Surgery. 18<sup>th</sup>-21<sup>st</sup> September, 2019 at Dallas, Texas, USA
  211. Katiyar A, SagarS. Surgical site infection rates in patients undergoing traumatic lower limb amputations; presented in 6<sup>th</sup> WSES Conference 25-28 June 2019 at Nijmegen, Netherlands
  212. Bagaria, D., Banerjee, N., Ud, P., Gupta, A., Joshi, M., &Sagar, S. Train Related Injuries: Growing Concern in Developing Countries and Five-year Experience at Level-1 Trauma Center in India; presented in WADEM 2019 7<sup>th</sup>-9<sup>th</sup> May,2019 at Brisbane, Australia
  213. Banerjee N, Kumar A, Sagar S, Kumar S, Gupta A, Mishra B. Traumatic aortic injuries: A 5-year analysis from a Level 1 trauma center in India; presented in European Congress of Trauma and Emergency Surgery (ECTES) 02-05 May, 2019 at Prague, Czech Republic
  214. Banerjee N, Rattan A, Priyadarshini P, Kumar S, Sagar S, Gupta A, Mishra B. Post Traumatic Bronchobiliary Fistula; presented in European Congress of Trauma and Emergency Surgery (ECTES) 02-05 May, 2019 at Prague, Czech Republic

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#### **Abstracts in Proceedings (National)**

245. Garima, Shahnaaz F, Chawla N, Sagar S, Kumar S; Understanding the Psychological Aspect of patient with limb amputation/s: A Systematic Review 3<sup>rd</sup> AIIMS Research Day 30<sup>th</sup> January 2024 AIIMS, New Delhi
246. Nigam K, Kabiraj P, Rawat P, Mathur P, Sagar S, Gupta A, Madan K, Soni D K, Aggarwal R, Pandey S, Kumar S. Phenotypic characterization of Neutrophils and T-helper subsets in patients with Blunt Thoracic Trauma during 3rd AIIMS Research Day 30<sup>th</sup> January 2024 AIIMS, New Delhi
247. Tluanpuii Vanlal, Varma Sharin, Ahmed Nizam, Kirti Madhavi, Sharma Divya, Ashita, Ningombam Aparna, Soni Dev Kapil, Aggrawal Richa, Kumar Subodh, Sagar Sushma, Farooque Kamran, Mathurpurva; Molecular Characterization of Streptococcus Pyogenes exotoxins from Patients in Level 1 Trauma Centre 3rd AIIMS Research Day 30<sup>th</sup> January 2024 AIIMS New Delhi
248. Kirti Madhavi, Varma Sharin, Ahmed Nizam, Tluanpuii Vanlal Ningombam Aparna, Soni Dev Kapil, Aggrawal Richa, Kumar Subodh, Sagar Sushma, Farooque Kamran, Mathurpurva Spectrum of antibiotic Susceptibility Ineskafe Pathogens – A Two Year Review 3<sup>rd</sup> AIIMS Research Day 30<sup>th</sup> January 2024 AIIMS New Delhi
249. Srivastava Kumar Ashish, Thakur Kumar Arpan, Parveen Rasna, Puraswani Mamta, Samanta Projoyita, Singh Vandana Kumari, Sharma Divya, Ningombam Aparna, Soni Dev Kapil, Aggarwal Richa, Kumar Subodh, Sagar Sushma, Gupta Kumar Deepak, Singh Pal Gyaninder, Bindra Ashish, Farooque Kamran, Mathur Purva; Non-Central Line-Associated Primary Bloodstream Infections in ICU Patients from Healthcare-Associated Infection Surveillance Network in India: A 5-Year Study 3rd AIIMS Research Day 30<sup>th</sup> January 2024 AIIMS New Delhi
250. Parveen Rasna, Thakur Kumar Arpan, Puraswani Mamta, Sharma Divya, Ningombam Aparna, Soni Dev Kapil, Aggarwal Richa, Kumar Subodh, Sagar Sushma, Farooque Kamran, Mathur Purva; Study of Central Line-Associated Blood Stream Infection (CLABSI) in adult, paediatric and neonatal ICUs of hospitals participating in the Healthcare Associated Infections (HAIs) surveillance network of India 3rd AIIMS Research Day 30<sup>th</sup> January 2024 AIIMS New Delhi
251. Parveen Rasna, Shankar Akshay, Thakur Kumar Arpan, Puraswani Mamta, Sharma Divya, Ashita, Thomas Mol Judy, Ningombam Aparna, Soni Dev Kapil, Aggarwal Richa, Kumar Subodh, Sagar Sushma, Farooque Kamran, Mathur Purva; High level of resistance to Ceftazidime-Avibactam, Ceftolozane-Tazobactam and Imipenem-Relebactam against multidrug resistant Klebsiella pneumoniae clinical isolates from an Indian hospital. 3rd AIIMS Research Day 30<sup>th</sup> January 2024 AIIMS New Delhi
252. Thakur Kumar Arpan, Parveen Rasna, Srivastava Kumar Ashish, Puraswani Mamta, Samanta Projoyita, Sharma Divya, Singh Vandana Kumari, Ningombam Aparna, Soni Dev Kapil, Aggarwal Richa, Kumar Subodh, Sagar Sushma, Gupta Kumar Deepak, Singh Pal Gyaninder, Bindra Ashish, Farooque Kamran, Mathur Purva; Healthcare-Associated Secondary Bloodstream Infections in a network of Indian hospitals: A 5-year multicentric surveillance study 3rd AIIMS Research Day 30<sup>th</sup> January 2024 AIIMS New Delhi
253. Samanta Projoyita, Parveen Rasna, Thakur Kumar Arpan, Singh Vandana Kumari, Srivastava Kumar Ashish Puraswani Mamta, Sharma Divya, Ningombam Aparna, Soni Dev Kapil, Aggrawal Richa, Kumar Subodh, Sagar Sushma, Farooque Kamran, Mathur Purva; Study of healthcare associated urinary tract infection in ICUs of Indian hospitals participating in the HAI surveillance network, 2017- 2022 3rd AIIMS Research Day 30<sup>th</sup> January 2024 AIIMS New Delhi

254. Kumari Ashita, Singh Vandana, Sharma Divya, Puraswani Mamta, Thomas Mol Judy, Gunjyial Jacinta, Ningombam Aparna, Soni Dev Kapil, Aggrawal Richa, Sagar Sushma, Kumar Subodh, Farooque Kamran, Mathur Purva; Role of Environment in Transmission of ESKAPE Pathogens and the Potential Risk posed by Antimicrobial Resistant Genes. 3rd AIIMS Research Day 30<sup>th</sup> January 2024 New Delhi
255. Dr Ahmed Nizam M, Shankar Akshay, Verma Sharin, Kriti Madhavi, Tluanpui Vanlal, Ashita, Thomas Judimol, NingombamAparna, Soni Dev Kapil, Aggrawal Richa, Kumar Subodh, Sagar Sushma, Gupta Deepak, Bindra Ashish, Farooque Kamraan, Mathur Purva; Exploring Therapeutic Avenues: Evaluating the Efficacy of Aztreonam and Ceftazidime-Avibactam in Broth Disk Elution (BDE) Tests for Carbapenem-Resistant Pathogens. 3rd AIIMS Research Day 30<sup>th</sup> January 2024 New Delhi
256. Sharma Divya, Parveen Rasna, Puraswani Mamta, Ashita, Thakur Kumar Arpan, Ningombam Aparna, Soni Dev Kapil, Aggarwal Richa, Kumar Subodh, Sagar Sushma, Farooque Kamran, Mathur Purva; Characterising the genetics of AMR in organisms causing Hospital Acquired Blood Stream Infection in Tertiary Care Trauma Centre, India 3rd AIIMS Research Day 30<sup>th</sup> January 2024 New Delhi
257. Singh Vandana Kumari, Samanta Projoyita, Parveen Rasna, Thakur Kumar Arpan, Srivastava Kumar Ashish, Puraswani Mamta, Sharma Divya, Ningombam Aparna, Soni Dev Kapil, Aggarwal Richa, Kumar Subodh, Sagar Sushma, Gupta Deepak, Singh Pal Gyanendra, Bindra Ashish, Farooque Kamran, Mathur Purva; Surveillance of Ventilator-associated Pneumonia in a network of Indian hospitals using definitions modified for low and middle- income countries 3rd AIIMS Research Day 30<sup>th</sup> January 2024 New Delhi
258. Deepanshu Vats, Renu Bhatia, Samreen Fatima, Aasheesh Kumar, Rajkumar Yadav, Sushma Sagar, Nida Mir, Maroof A. Khan, Akanksha Singh; Pain relief with Repetitive Transcranial Magnetic Stimulation in Phantom Limb Pain 3rd AIIMS Research Day 30<sup>th</sup> January 2024 New Delhi
259. Kumari Ashita, Singh Vandana, Sharma Divya, Puraswani Mamta, Thomas Mol Judy, Gunjyial Jacinta, Ningombam Aparna, Soni Dev Kapil, Aggrawal Richa, Sagar Sushma, Kumar Subodh, Farooque Kamran, Mathur Purva; Role of Environment in Transmission of ESKAPE Pathogens and the Potential Risk posed by Antimicrobial Resistant Genes. 3rd AIIMS Research Day 30<sup>th</sup> January 2024 New Delhi
260. Dr Ahmed Nizam M, Shankar Akshay, Verma Sharin1, Kriti Madhavi, Tluanpui Vanlal, Ashita, Thomas Judimol, NingombamAparna, Soni Dev Kapil, Aggrawal Richa, Kumar Subodh, Sagar Sushma, Gupta Deepak, Bindra Ashish, Farooque kamraan, Mathur Purva; Exploring Therapeutic Avenues: Evaluating the Efficacy of Aztreonam and Ceftazidime-Avibactam in Broth Disk Elution (BDE) Tests for Carbapenem-Resistant Pathogens. 3rd AIIMS Research Day 30<sup>th</sup> January 2024 New Delhi
261. Samhitha V C, Rani P, Katiyar G, Bala R V, Sagar S, Kumar S, Gupta A, Singhal M, Joseph M S. Hyperbaric Oxygen Therapy: A road less travelled Experience of a level 1 trauma centre; presented in WoundCon 2023 from 24-26 November, 2023 at AIIMS, Guwahati
262. Kaur R, Gupta S, Vaidyanathan R, Rani P, Athish K, Kumar S, Sagar S, Alam J, Kumar A. Streptococcal Shock Syndrome in Trauma - A Rare Entity; presented in TRAUMA 2023 13<sup>th</sup> Annual conference of Indian Society for Trauma & Acute Care (ISTAC<sup>®</sup>) on 23-25 November, 2023 at AFMC, Pune.
263. Athish K, Mishra B, Sagar S, Kumar S, Gupta A, Kumar A, Trikha V, Sharma V, Dhar A, Joshi MK, Priyadarshini P, Kumar A, Chaudhary N, Bagaria D, Alam J. Correlation of Clinical and Radiological Parameters in Outcomes of Morel-Lavallee Lesions at a level 1 Trauma Centre; presented in TRAUMA 2023 13<sup>th</sup> Annual conference of Indian Society for Trauma & Acute Care (ISTAC<sup>®</sup>) on 23-25 November, 2023 at AFMC, Pune.
264. Mir N, Naaz H, Sagar S, Bhatia R, Selvi A, Sagar R, Mir A H., Mishra P, Alam J, Kumar S, Gupta A. Neuromodulation Therapy Vs Drug Treatment for PLP In Lower Limb Amputees: An RCT From Level I Trauma Centre; presented in TRAUMA 2023 13<sup>th</sup> Annual conference of Indian Society for Trauma & Acute Care (ISTAC<sup>®</sup>) on 23-25 November, 2023 at AFMC, Pune.
265. Milandeep, Mishra B, Kumar A, Vaidyanathan R, Sagar S, Kumar S, Gupta A, Bagaria D, Choudhary N, Priyadarshini P, Alam J. Complex Duodenal Injury: An Option of a Way Out; presented in TRAUMA

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  267. Rani P, Mishra B, Gupta A, Kumar S, **Sagar S**, Joshi M, Bagaria D, Chowdhury N, Kumar A, Priyadarshini P, Alam J, Anand A. The outcome of patients after nonoperative and operative management of grade III and IV pancreatic trauma at a level I trauma centre; presented in TRAUMA 2022 & Asian Trauma Congress 2022 12<sup>th</sup> Annual conference of Indian Society for Trauma & Acute Care (ISTAC<sup>®</sup>) on 17-20 November, 2022.
  268. Singh JK, Priyadarshini P, **Sagar S**, Gupta A, Kumar S, Mishra B, Kumar A, Choudhary N, Bagaria D, Alam J, Soni KD, Aggarwal R. A Study of Abbreviated Discharge Protocol in Patients with Blunt Liver and/or Splenic Injury; presented in TRAUMA 2022 & Asian Trauma Congress 2022 12<sup>th</sup> Annual conference of Indian Society for Trauma & Acute Care (ISTAC<sup>®</sup>) on 17-20 November, 2022.
  269. Mir N, Singh M.S, Albert V, Sharma U, Kumar S, Gupta A, Sagar R, Selvi A, **Sagar S**. To Study the impact of Yoga intervention in lower limb amputees following trauma in relation to post-surgical outcome, behavior and quality of life; presented in TRAUMA 2022 & Asian Trauma Congress 2022 12<sup>th</sup> Annual conference of Indian Society for Trauma & Acute Care (ISTAC<sup>®</sup>) on 17-20 November, 2022.
  270. Vaidyanathan R, Kumar A, Kumar S, **Sagar S**, Gupta A, Mishra B, Priyadarshini P, Bagaria D, Choudhary N, Alam J, Khan M A, Selvi A, Soni KD, Agarwal R. Prevalence of ionized hypocalcaemia in trauma patients and its role in predicting mortality at a Level I Trauma Center- A prospective observational study; presented in TRAUMA 2022 & Asian Trauma Congress 2022 12<sup>th</sup> Annual conference of Indian Society for Trauma & Acute Care (ISTAC<sup>®</sup>) on 17-20 November, 2022.
  271. Athish K, Mir N, Yadav S, Vaidyanathan R., Priyadarshini P, Bagaria D, Kumar S, Gupta A, **Sagar S**. Ten year experience of Post Traumatic Hemipelvectomy at a Tertiary care centre; presented in TRAUMA 2022 & Asian Trauma Congress 2022 12<sup>th</sup> Annual conference of Indian Society for Trauma & Acute Care (ISTAC<sup>®</sup>) on 17-20 November, 2022.
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  273. Manwatkar S, Gupta A, **Sagar S**, Kumar S, Mishra B, Kumar A, Choudhary N, Priyadarshani P, Bagaria D, Alam J. A Study to Analyse the Impact of SARS CoV-2 Virus Infection on Outcomes of Trauma Patients at a level I Trauma Center; presented in TRAUMA 2022 & Asian Trauma Congress 2022 12<sup>th</sup> Annual conference of Indian Society for Trauma & Acute Care (ISTAC<sup>®</sup>) on 17-20 November, 2022.
  274. Naaz H, Mir N, Seetharaman S, Sagar R, Kumar S, Gupta A, **Sagar S**. Evaluation of Need for Psychological Care at Level 1 Trauma Centre; presented in TRAUMA 2022 & Asian Trauma Congress 2022 12<sup>th</sup> Annual conference of Indian Society for Trauma & Acute Care (ISTAC<sup>®</sup>) on 17-20 November, 2022.
  275. Mir A. H, Soni K.D, Mir N, Kumar S, **Sagar S**, Gupta A. Phrenic Nerve Stimulation on Quadriplegic Patient for Early Weaning: Our Experience at Teritiary Care Centre; presented in TRAUMA 2022 & Asian Trauma Congress 2022 12<sup>th</sup> Annual conference of Indian Society for Trauma & Acute Care (ISTAC<sup>®</sup>) on 17-20 November, 2022.
  276. Priyadarshi A, Kamalpreet, Prithvi B, **Sagar S**, Kumar S, Gupta A. Pattern Of Ocular Injuries In Patients With Maxillofacial Trauma; presented in TRAUMA 2022 & Asian Trauma Congress 2022 12<sup>th</sup> Annual conference of Indian Society for Trauma & Acute Care (ISTAC<sup>®</sup>) on 17-20 November, 2022.

277. Dass A, Rani P, Vaidyanathan R, **Sagar S**. Prioritize Your Protocols; presented in TRAUMA 2022 & Asian Trauma Congress 2022 12<sup>th</sup> Annual conference of Indian Society for Trauma & Acute Care (ISTAC®) on 17-20 November, 2022.
278. Sharma K, Mir N, Alam J, Priyadarshini P, **Sagar S**. Presence of MSSO In Amputation Clinic: A Silver Lining; presented in TRAUMA 2022 & Asian Trauma Congress 2022 12<sup>th</sup> Annual conference of Indian Society for Trauma & Acute Care (ISTAC®) on 17-20 November, 2022.
279. Vaidyanathan R; Ghatak D; Alam J; Priyadarshini P; Bagaria D; Chaudhary N; Kumar A; **Sagar S**. Alternate Techniques in Trauma Wound Care; presented in TRAUMA 2022 & Asian Trauma Congress 2022 12<sup>th</sup> Annual conference of Indian Society for Trauma & Acute Care (ISTAC®) on 17-20 November, 2022.
280. Jha A, Roychoudhury A, **Sagar S**, Bhutia O, Premanandan S N. Use Of Lingual Splint And 3-D Model Intraoperatively During Mandibular Fracture Fixation in A Non-Union Case; presented in TRAUMA 2022 & Asian Trauma Congress 2022 12<sup>th</sup> Annual conference of Indian Society for Trauma & Acute Care (ISTAC®) on 17-20 November, 2022.
281. Gunjiganvi M, Mathur P, Kumar M, Madan K, Kumar A, Sagar R, **Sagar S**, Gupta A, Mishra B, Mir A H, Meti M, Kumar S. Yoga-An Alternative Form of Therapy in Patients with Blunt Chest Trauma: A Randomized Controlled Trial; presented in International Yoga Day 2022 organized by AIIMS Research Cell on 21<sup>st</sup> June, 2022.
282. Mir N, Singh M.S, Albert V, Sharma U, Kumar S, Gupta A, Sagar R, Selvi A, **Sagar S**. To Study the impact of Yoga intervention in lower limb amputees following trauma in relation to post-surgical outcome, behavior and quality of life; presented in International Yoga Day 2022 organized by AIIMS Research Cell on 21<sup>st</sup> June, 2022.
283. Manwatkar S, Gupta A, Sagar S, Kumar S, Mishra B, Chaudhary N, Kumar A, Priyadarshini P, Bagaria D, Alam J. Demographics of Chest Injury: A Retrospective Observational Study at level I Trauma Centre; presented in TRAUMA 2021 Virtual 11th Annual conference of Indian Society for Trauma & Acute Care (ISTAC®) on 19<sup>th</sup> – 21<sup>st</sup> November 2021.
284. Dar PM, Kumar V, Kumar A, Teyi T, Kabiraj P, Vaidyanathan R, Ghoshal S, Alam J, Priyadarshini P, Kumar S, Sagar S. Coexistent injury of the left internal mammary artery and bilateral subclavian arteries after blunt chest trauma presented with left massive haemothorax and class IV haemorrhagic shock; presented in TRAUMA 2021 Virtual 11th Annual conference of Indian Society for Trauma & Acute Care (ISTAC®) on 19<sup>th</sup> – 21<sup>st</sup> November 2021.
285. Dar PM, Mir N, Katiyar A, Priyadarshini P, Alam J, Kumar A, Bagaria D, Chaudhary N, Kumar S, Gupta A, Sagar S. Burden of Limb Loss Following Trauma In Patients Admitted At Level-I Trauma Centre: A 5 Year Experience; presented in TRAUMA 2021 Virtual 11th Annual conference of Indian Society for Trauma & Acute Care (ISTAC®) on 19<sup>th</sup> – 21<sup>st</sup> November 2021.
286. Mir A.H, Soni K.D, Aggarwal R, Kumar A, Kumar S, Sagar S, Gupta A. Ultrasound Assessment of Diaphragm Thickness Following Phrenic Nerve Stimulation in Mechanically Ventilated Trauma Patients: A Randomised Control Trial; presented in TRAUMA 2021 Virtual 11th Annual conference of Indian Society for Trauma & Acute Care (ISTAC®) on 19<sup>th</sup> – 21<sup>st</sup> November 2021.
287. Sharma A, Gupta A, Sagar S, Kumar S, Rai SK. Barriers and facilitators in implementation of trauma registry in different levels of healthcare setting: Qualitative study from India; presented in TRAUMA 2021 Virtual 11th Annual conference of Indian Society for Trauma & Acute Care (ISTAC®) on 19<sup>th</sup> – 21<sup>st</sup> November 2021.
288. Kaul RP, Sagar S, Kumar S, Gupta A. Gaps in Technology Adoption or Theory to Theatre: Drivers and Barriers in 3D Technology Adoption; presented in TRAUMA 2021 Virtual 11th Annual conference of Indian Society for Trauma & Acute Care (ISTAC®) on 19<sup>th</sup> – 21<sup>st</sup> November 2021.
289. Samhitha CV, Kabiraj P, Vaidyanathan R, K Athish, Alam J, Priyadarshini P, Kumar A, Kumar S, Sagar S. Revisiting Dakin Solution: Anunconventional Solution for Uncommon Stump Infection During



- Unforseen Pandemic; presented in TRAUMA 2021 Virtual 11th Annual conference of Indian Society for Trauma & Acute Care (ISTAC®) on 19th – 21st November 2021.
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2. **SushmaSagar**,Kamal Kataria: Tourniquet for Vascular Injuries: Manual of ICU Procedures by Mohan Gurjar (pp 386-391)ISBN Number: 978-93-5152-422-9.
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#### Lectures delivered at CMEs, National and International conferences

S. No.	Title of talk	Name of the CME/conference	Date	Venue
1.	Medical Aid in Disasters	Disaster Risk Management for Museums and Galleries with IGNC A org by NIDM	21 <sup>st</sup> March 2024	New Delhi
2.	First Aid to Save Life	First Responders Workshop at Miranda College Delhi	20 <sup>th</sup> March 2024	Miranda College Delhi

3.	Injuries in women due to domestic violence & their rehabilitation	51st Annual National Conference of Indian Association of Preventive and Social Medicine (IAPSMCON 2024)	07-08 February, 2024	Mangalore, Karnataka
4.	First Aid to Save Life	NSS Unit IIT Delhi	1 <sup>st</sup> February 24	IIT Delhi
5.	Hospital Disaster Management Plan" and "Mass Casualty Management"	Emergency Health Management org by Haryana Institute of Public Administration	25 <sup>th</sup> January, 2024	Gurugram, Haryana
6.	AIIMS initiatives on Assistive Technology	Goa International Purple Festival, ICMR initiative	10-13 January, 2024	Goa
7.	"Improving Road safety for Safe Life"*	" National Road Safety Week 11-17 January 2024". By RJS positive Media	7 <sup>th</sup> January 2024	Online mode
8.	Technology in Trauma	International Georgian Alumni Meet	23 <sup>rd</sup> December, 2023	KGMU, Lucknow, U.P.
9.	Surgeon's view in reducing SSI in Indian healthcare	CME on the WHO theme 2023 "Preventing antimicrobial resistance together in healthcare setup"	16 <sup>th</sup> December, 2023	Amrita Hospital Faridabad
10.	Pediatric Head & Neck Trauma	First National Training of Trainers Workshop of Pediatric Trauma Resuscitation Module	08 November, 2023	NIHFW New Delhi
11.	rTMS: for phantom limb pain. An entity less explored	The Neuromodulation Society of India (The Indian Chapter of INS), TNS CONGRESS 2023	15 <sup>th</sup> October, 2023	AIIMS New Delhi
12.	First Aid Preparedness: Vital support during Disasters	Training program on Disaster Risk Management: Mahatma Gandhi State Institute of Public Administration	12 <sup>th</sup> October, 2023	Chandigarh, Punjab
13.	RCT to Study Effect of Immediate Post Operative Prosthesis Vs Conventional Prosthesis On Balance & Qol In Bk Amputees Following Trauma	AAST (American Association of Surgeons of Trauma) 82 <sup>nd</sup> Annual conference	11 <sup>th</sup> September 2023	Anaheim California USA
14.	Management of Maxillofacial	National Board of Examinations	26 <sup>th</sup> August 2023	Online mode

	Injuries in Emergency Room			
15.	Mangled extremities: Challenge to severe extremity trauma	6 <sup>th</sup> World Trauma Congress (WTC-2023)	11 <sup>th</sup> August, 2023	Tokyo, Japan
16.	Updates in Burn Care	Quality Trauma Care for All:18 <sup>th</sup> Congress of Phillipines Society for Surgery of Trauma	13 <sup>th</sup> June, 2023	Phillipines, Manilla(Online Mode)
17.	Dermal substitutes in the management of soft tissue defects:An experience from level 1 trauma center	NZAPSCON 2022	01 <sup>st</sup> April, 2023	Ludhiana, Punjab, India
18.	Organ donation at JPNATC	Annual Neuro Trauma Conference (ANTC) 2023	19 <sup>th</sup> March, 2023	Delhi
19.	Maxillofacial Injuries: OR to ER	6 <sup>th</sup> Foundation Day & CME Trauma Surgery, KGMU	18 <sup>th</sup> March, 2023	Lucknow
20.	Wound Care Nursing at JPNATC, AIIMS	Advanced Wound Care Workshop at AIIMS Bhubaneswar	22 <sup>nd</sup> February, 2023	AIIMS, Bhubaneswar
21.	Wound Care Nurse Program at JPNATC AIIMS Delhi	NABI Mid Term CME on Burn Care	18 <sup>th</sup> January, 2023	New Delhi
22.	Hyperbaric oxygen therapy in wound management	Rethinking in Chronic wound Care	10 <sup>th</sup> December, 2022	Delhi
23.	Reproductive health issues during Disasters	TOT Workshop (Gender & Disaster Management) Organized by NIDM & Vigyan Prasar	24 <sup>th</sup> November, 2022	Noida
24.	Complex Maxillofacial Injuries: A Trauma Surgeons Challenge	TRAUMA 2022 & Asian Trauma Congress 2022	18 <sup>th</sup> November, 2022	Delhi
25.	Thermal Injuries	1 <sup>st</sup> Inaugural Advance Trauma Life Support Course at AIIMS	23 <sup>rd</sup> September, 2022	AIIMS, Bhopal
26.	Abdominal & Pelvic Trauma	1 <sup>st</sup> Inaugural Advance Trauma Life Support Course at AIIMS	22 <sup>nd</sup> September, 2022	AIIMS, Bhopal
27.	Resident's Corner: Limited working hours for residents	Annual Day & CME in Surgery	5 <sup>th</sup> September, 2022	Delhi

28.	Soft tissue injuries in Maxillofacial Skeleton	AO CMF Workshop	25 <sup>th</sup> August, 2022	Delhi
29.	Trauma Center Journey: A decade experience	AIIMS-Chicago Radio Surgical Meet	5 <sup>th</sup> August, 2022	Delhi
30.	Back to the Future: Back to the Basics in Trauma Care	ACT Webinar (online platform)	24 <sup>th</sup> May, 2022	online
31.	Disaster Management	NIDM Workshop for State disaster management team	12 <sup>th</sup> May, 2022	Delhi
32.	Maxillofacial Trauma	Trauma Nurse Coordinator Teaching Program for Nurses	8 <sup>th</sup> April, 2022	Delhi
33.	Secondary Survey in Burn Emergency	National Workshop on Burn and Disaster Management	24 <sup>th</sup> March, 2022	Burns, Plastic & Reconstructive Surgery, AIIMS, New Delhi & MOHFW GOI
34.	Limb Salvage Versus Amputation	Medflix Delhi	16 <sup>th</sup> March, 2022	Online Platform
35.	Current trends in the management of post traumatic wounds	CME on Recent trends in Surgery organized by Dept. of Surgery, TMU Medical College & Research Centre, UP	13 <sup>th</sup> December, 2021	Online Platform
36.	Hemorrhage Control in Maxillofacial Injuries	TRAUMA 2021 VIRTUAL Annual conference of ISTAC	20 <sup>th</sup> November, 2021	Online Platform
37.	Challenges in management of traumatic wounds : Rethinking in wound care:	PAN AIIMS Collaboration	20 <sup>th</sup> November, 2021	Online Platform
38.	Post traumatic wounds: An holistic care approach	International Wound Care Con 2021 14 <sup>th</sup> Annual conference of Society for Wound Care & Research	13 <sup>th</sup> November, 2021	Online Platform
39.	Hemorrhage Control in Maxillofacial Injuries	ALTC (Advance Level Trauma Conference)	8 <sup>th</sup> November, 2021	Online Platform
40.	Emergency Department management Of Maxillofacial Injuries	National Board of Examinations (NBE) : Trauma series	16 <sup>th</sup> October, 2021	Online Platform

41.	Physical health of communities during pandemic: Impact and management during covid 19 pandemic	Mahatma Gandhi state institute of public administration, Punjab in collaboration with NIDM	28 <sup>th</sup> July, 2021	Online Platform
42.	ED management of traumatic brain injury and spinal injury	National Board of Examinations (NBE) : Trauma series	10 <sup>th</sup> July, 2021	Online Platform
43.	Physical health of communities during pandemic: Impact and management during covid 19 pandemic	Mahatma Gandhi state institute of public administration, Punjab in collaboration with NIDM	26 <sup>th</sup> May, 2021	Online Platform
44.	Gender equality in Surgery for women	Association of Academic Global Surgery (AAGS)	22 <sup>nd</sup> May, 2021	Online Platform
45.	Paediatric Trauma	Nurses Training Talk (MOHFW initiative)	22 <sup>nd</sup> February 2021	JPNATC, AIIMS Delhi
46.	Paediatric Trauma	Nurses Training Talk (MOHFW initiative)	15 <sup>th</sup> January 2021	JPNATC, AIIMS Delhi
47.	Panel discussion : PG training in Trauma	Trauma Virtual Conference 2020	3 <sup>rd</sup> December 2020	Online Platform
48.	Case Presentations : our experience with IDRT	Advances in Burn & Reconstruction Management: APSI Webinar	31 <sup>st</sup> October, 2020	Online Platform
49.	Physical Health of Communities during Pandemics: Impact and Management	Community Based Disaster Risk Management (CBDRM) for Northern States (Part II)	21 <sup>st</sup> October, 2020	Online Platform
50.	Physical Health of Communities during Pandemics: Impact and Management	Community Based Disaster Risk Management (CBDRM) for Northern States (Part I)	29 <sup>th</sup> September, 2020	Online Platform
51.	Post graduate training in trauma care in India: Trauma & Acute Care Surgeon – A Career Pathway	Post graduate training in trauma care in India: Trauma & Acute Care Surgeon – A Career Pathway : ISTAC & IATCC initiative	06 <sup>th</sup> September, 2020	Online Platform
52.	Trauma Care in Covid Times	ISTAC Webinar cum Panel discussion: Trauma Care in Covid Times	26 <sup>th</sup> June 2020	Online Platform

53.	Journey to Road Safety	Journey to Road Safety Webinar Series	07 <sup>th</sup> June, 2020	Online Platform
54.	Urban Health Hazard and Preparedness in Global Pandemic COVID-19	National Webinar on Urban Health Hazard and Preparedness in Global Pandemic COVID-19	2 <sup>nd</sup> May, 2020	Shaheed Bhagat Singh College, University of Delhi
55.	Urban Health Hazard and Preparedness in Global Pandemic COVID-19	National Webinar on Urban Health Hazard and Preparedness in Global Pandemic COVID-19	29 <sup>th</sup> April, 2020	Shaheed Bhagat Singh College, University of Delhi
56.	Holistic approach to Maxillofacial Trauma: A decade's experience at JPNATC	CGR	14 <sup>th</sup> January, 2020	AIIMS, New Delhi
57.	Early Physiotherapy protocols in Trauma: An outcome predictor	8 <sup>th</sup> INCPT AIIMS-2019	21 <sup>st</sup> December, 2019	JPNATC, AIIMS, New Delhi
58.	Critical Gaps in Trauma Care- Plugging the holes	Trauma Quality Improvement (TQIP)	26 <sup>th</sup> November, 2019	JPNATC, AIIMS, New Delhi
59.	Looking Back, Looking Forward	ATLS Instructor Course	04 <sup>th</sup> November, 2019	Dr. RML Hospital, New Delhi
60.	First Aid for Children in school	National Institute of Disaster Management (NIDM)	17 <sup>th</sup> September, 2019	YWCA, NIDM Hall, Delhi
61.	Role of Youth in Road safety	iSAFE Launch- The Safer India Challenge'19	07 <sup>th</sup> September, 2019	IIT New Delhi
62.	Maxillofacial Trauma from Airway to Cosmesis	TRAUMA 2019	28 <sup>th</sup> - 30 <sup>th</sup> August, 2019	KGMU, Lucknow
63.	ABCDE in maxillofacial trauma (ATLS way)	AO CMF Course : Management of Facial Trauma	23 <sup>rd</sup> August, 2019	JPNATC, AIIMS, New Delhi
64.	Reproductive Health in Disasters	National Institute of Disaster Management (NIDM)	25 <sup>th</sup> July, 2019	YWCA , NIDM Hall, Delhi
65.	Thermal Injuries	ATLS Provider Course	29 <sup>th</sup> June to 01 <sup>st</sup> July, 2019	AIIMS Rishikesh
66.	Leadership for Change	5 <sup>th</sup> United Nations Global Road safety week , Indian road safety campaign (IRSC)	17 <sup>th</sup> May, 2019	IIT, New Delhi
67.	Mass Casualty Management	Emergency Medical Response & Psychosocial Care in Disaster Situation	11 <sup>th</sup> April, 2019	JPNATC, AIIMS Delhi

68.	Role of youth and technology to promote multi-sectoral action in road safety	MoRTH in support with IRSC and NSS IIT-Delhi	9 <sup>th</sup> February, 2019	IIT, New Delhi
69.	Disaster Planning in India	Regional Health Emergencies in Large Populations Course	03 <sup>rd</sup> -14 <sup>th</sup> December, 2018	International Institute of Health Management Research (IIHMR), New Delhi
70.	Wound Care Nursing Program	Launch of On Job Enrichment Program (OJEP) for Nurses	27 <sup>th</sup> November, 2018	JPNATC, AIIMS, New Delhi
71.	Role of bystander in road traffic injuries	Mega Event by IRSC at DTU	30 <sup>th</sup> October 2018	DTU, Delhi
72.	A Brief On Sustainable Goal #3 – Good Health & Well Being	GGJ Delhi 2.0	21 <sup>st</sup> September, 2018	Delhi
73.	Facial Injuries Challenges	ICS- ISCON 2018 64 <sup>th</sup> Annual Conference of International College of Surgeons Indian Section	14 <sup>th</sup> -16 <sup>th</sup> September, 2018	Varanasi, U.P.
74.	Panel Discussion Role of Youth in Road Safety" cum Launch of i-SAFE'18: The Safer India Challenge	Ministry of Road Transport & Highways, Indian Road Safety Campaign, IIT Delhi	9 <sup>th</sup> September, 2018	IIT, New Delhi
75.	Facial fractures	1 <sup>st</sup> AIIMS PLASTIC SURGERY UPDATE 2018	1 <sup>st</sup> -3 <sup>rd</sup> September, 2018	JPNATC, AIIMS, New Delhi
76.	Nutritional Needs in Burns	2 <sup>nd</sup> National Conference of Indian Society of Clinical Nutrition (INSCN)	31 <sup>st</sup> August – 02 <sup>nd</sup> September 2018	AIIMS, New Delhi
77.	Post-crash management	High Level Conference on Road Safety	28 <sup>th</sup> -29 <sup>th</sup> August, 2018	Gurugram, Haryana
78.	Reproductive Health in Disasters	Training Program on Gender and Disaster Management	27 <sup>th</sup> -31 <sup>st</sup> August, 2018	NIDM, New Delhi
79.	How can youth contribute to changing the scenario of road-safety India	i-SAFE'17: The Safer India Challenge	19 <sup>th</sup> August, 2018	IIT, New Delhi

80.	Impact of road traffic injury in developing country	Talk show with Reuters news agency	18 <sup>th</sup> July 2018	JPNATC, AIIMS, New Delhi
81.	X-Ray Identification of Thoracic Trauma	Advanced Trauma Life Support Instructor Course	24 <sup>th</sup> -25 <sup>th</sup> May, 2018	JIPMER, Pondicherry
82.	Initial Assessment of a Trauma Victim	ICSIS-NZCON 2018	12 <sup>th</sup> -13 <sup>th</sup> May, 2018	Agra, U.P.
83.	iSAFE- The Safer India Challenge 17-18	Indian Road Safety Campaign, (IRSC)	22 <sup>nd</sup> April, 2018	IIT, New Delhi
84.	Mass Casualty Management and Hospital Disaster Management Plan"	Emergency Medical Response & Psychosocial Care in Disaster Situation" organized by Haryana Institute of Public Administration (HIPA)	12 <sup>th</sup> April, 2018	JPNATC,AIIMS, New Delhi
85.	Managing the agitated patient	National CME on Consultation-Liaison Psychiatry, 2018	9 <sup>th</sup> April, 2018	AIIMS, New Delhi
86.	REPAIR Study	Australia India Trauma System Collaboration (AITSC) Wrap Up conference	12 <sup>th</sup> March 2018	AIIMS, New Delhi
87.	Road safety for all	Second Working Group meeting of the meeting group for Safer Road	10 <sup>th</sup> March, 2018	Gurugram, Haryana
88.	Challenges and Gender biases to women surgeons in developing world	National Symposium on contribution of Women in Science in India	15 <sup>th</sup> February, 2018	Kolkata
89.	Surgical Site Infections	Nursing Update by HICN team	1 <sup>st</sup> February, 2018	JPNATC, AIIMS, New Delhi
90.	Medical perspective to road safety	Safer mobility: A road to safer India by Indian Road Safety Campaign supported by MoRTH	16 <sup>th</sup> December, 2017	IIT Delhi
91.	Special situations in bariatric surgery	1 <sup>st</sup> National PG CME on Bariatric Surgery	2 <sup>nd</sup> December, 2017	AIIMS, New Delhi
92.	Trauma Session	SURGICON 2017	10 <sup>th</sup> -12 <sup>th</sup> November, 2017	Lady Hardinge Medical College, New Delhi
93.	Road safety for bystanders	IRSC WORKSHOP	15 <sup>th</sup> October, 2017	JPNATC, AIIMS, New Delhi
94.	Soft tissue reconstruction in Trauma	Indian Association of Traumatology & Critical Care, Government Medical College	10 <sup>th</sup> September, 2017	Nagpur



95.	How can youth contribute to changing the scenario of road safety in India ?	i-SAFE Challenge by IRSC, MoRTH, TRIPP, Delhi Traffic Police	19 <sup>th</sup> August, 2017	IIT New Delhi
96.	Reconstructive issues in Trauma	30 <sup>th</sup> Surgical Seminar the Management of patients with War Wounds	29 <sup>th</sup> March to 2 <sup>nd</sup> April, 2017	Geneva, Switzerland
97.	Road Safety for bystanders		18 <sup>th</sup> February, 2017	IIT, New Delhi
98.	School safety	National Institute of Disaster Management	30 <sup>th</sup> November, 2016	New Delhi
99.	Thoracic Trauma	Advanced Trauma Life Support Course (ATLS)	19 <sup>th</sup> -21 <sup>st</sup> October, 2016	JPNATC, AIIMS
100.	Antimicrobial Stewardship program : AIIMS Trauma center model	Collaboration meeting under joint secretary working group between India and Sweden	5 <sup>th</sup> -8 <sup>th</sup> October, 2016	Sweden
101.	Injuries due to burns and cold	Advanced Trauma Life Support Course (ATLS)	20 <sup>th</sup> -22 <sup>nd</sup> October, 2016	JPNATC, AIIMS
102.	Reproductive Health in Disasters: Impact and Management	NIDM	21 <sup>st</sup> September 2016	New Delhi
103.	Standard care for Adults with lower limb fractures following trauma in India: Protocol for an observational study (AITSC )	3 <sup>rd</sup> World Trauma Congress 2016	17 <sup>th</sup> -18 <sup>th</sup> August, 2016	Vigyan Bhawan, New Delhi
104.	Massive Maxillofacial Trauma : An initial and critical challenge	3 <sup>rd</sup> World Trauma Congress 2016	17 <sup>th</sup> -18 <sup>th</sup> August, 2016	Vigyan Bhawan, New Delhi
105.	Basic Surviving skills for school children	School safety initiative Nat'l Institute of Disaster Management	20 <sup>th</sup> May 2016	Pathways school Faridabad, Haryana
106.	Initial Assessment and Management	ATLS Provider Course	17-19 March, 16	JPNATC, AIIMS, New Delhi
107.	Abdominal Trauma	ATLS Provider Course	18-20 February, 2016	JPNATC, AIIMS, New Delhi
108.	Transfer to Definitive care	ATLS Provider Course	23 <sup>rd</sup> January, 2016	Tact Academy, Chennai
109.	Initial Assessment and Management	ATLS Provider Course	21 <sup>st</sup> January, 2016	Tact Academy, Chennai
110.	Thermal Injuries	ATLS Provider Course	14-16 January, 2016	JPNATC, AIIMS, New Delhi

111.	Thermal Injuries	ATLS Provider Course	8-10 October, 2015	JPNATC, AIIMS, New Delhi
112.	Medical Textiles in Surgical Specialty and Surgical ICU	"MEDICAL TEXTILES CONCLAVE 2015: An Interface between Medical and Textile Fraternity	6 <sup>th</sup> December 2015	PHD House Delhi
113.	Rehabilitaion Systems: Lessons Learnt	East Asia Summit Round Table on Trauma Care and Nursing	16 <sup>th</sup> October, 2015	Board Room, AIIMS, New Delhi
114.	Reproductive Health in Disasters :Impact and Management	National Institute of Disaster Management	18 <sup>th</sup> August, 2015	Delhi
115.	Female trauma patients in developing countries : Lessons learnt	World Congress of Surgery	25 <sup>th</sup> August, 2015	Thailand, Bangkok
116.	Abdominal Trauma	ATLS Provider Course	22-22 August, 2015	JPNATC, AIIMS, New Delhi
117.	Reproductive Health in Disasters: Impact and Management	National Institute of Disaster Management	15 <sup>th</sup> May, 2015	Delhi
118.	Handling Medical Emergencies in schools	National Institute of Disaster Management	15 <sup>th</sup> April 2015	Delhi
119.	Abdominal Trauma	Advanced Trauma Life Support Course organized by JPNA Trauma Center, AIIMS	26 <sup>th</sup> March 2015	JPN Apex Trauma Center AIIMS, Delhi
120.	Principles of Amputation	PG CME, AIIMS	12 <sup>th</sup> March 2015	Endosurg 2015, Delhi
121.	Reproductive Health in Disaster:Impact and Management	Training Programme on "Gender and Disaster Management" at National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India	21 <sup>st</sup> January 2015	NIDM Training Institute, Delhi
122.	Case based flaps for Type 3 open Tibial fractures	AO Trauma Masters Course-complex trauma	6-8 <sup>th</sup> November, 2014	AO Trauma Delhi
123.	Role of soft tissue coverage in management of infections	AO Trauma Masters Course-complex trauma	6-8 <sup>th</sup> November, 2014	AO Trauma Delhi
124.	Moral Lavelle lesions revisited: An experience from a tertiary care center in INDIA	17 <sup>th</sup> Conference of Int'l Society of Burn Injuries	14 <sup>th</sup> October 2014	ISBI, Sydney
125.	Introduction to First Aid and Basic survival techniques	National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India	27 <sup>th</sup> August 2014	NIDM Training Institute, ITO Delhi

126.	Introduction to First Aid and Basic survival techniques	National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India	16 <sup>th</sup> July 2014	NIDM Training Institute, ITO Delhi
127.	Reproductive Health in Disaster: Impact and Management	Training Programme on “Gender and Disaster Management” at National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India	19 <sup>th</sup> March 2014	NIDM Training Institute, ITO Delhi
128.	Introduction to First Aid and basic survival technique	National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India	20 <sup>th</sup> February 2014	NIDM Training Institute, ITO Delhi
129.	Initial Assessment of Trauma Patient	CME Program of PAN-African e-Network Project	12 <sup>th</sup> February 2014	AIIMS, New Delhi
130.	Management of Burns	CME Program of PAN-African e-Network Project	20 <sup>th</sup> November 2013	AIIMS, New Delhi
131.	Abdominal Trauma	Advanced Trauma Life Support Course organized by JPNA Trauma Center, AIIMS	12 <sup>th</sup> September 2013	JPN Apex Trauma Center AIIMS, Delhi
132.	Initial Assessment and Management in Trauma	Advanced Trauma Life Support conference organized by Apex Academy Ahmedabad, Gujrat	5-7 <sup>th</sup> September 2013	Apex Medical Academy, Ahmedabad
133.	Introduction First Aid and Basic survival techniques	National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India	1 <sup>st</sup> August 2013	NIDM Training Institute, ITO Delhi
134.	Introduction to First Aid and basic survival technique	National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India	14 <sup>th</sup> June 2013	NIDM Training Institute, ITO Delhi
135.	Initial Assessment and Management of Trauma victim in a rural setting	Rural PHC, Andhra Pradesh Organized by NDMA	14 <sup>th</sup> May 2013	Rural PHC, Hyderabad
136.	Initial Assessment and Management of Trauma victim in a rural setting	Rural PHC, Patna Organized by NDMA	7 <sup>th</sup> May 2013	Rural PHC Patna
137.	Introduction First Aid and Basic survival techniques	National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India	1 <sup>st</sup> May 2013	NIDM Training Institute, ITO Delhi

138.	Medical Emergency Management in Disaster	National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India	16 <sup>th</sup> April 2013	NIDM Training Institute, ITO Delhi
139.	Reproductive Health in Disaster	First National Platform on Mainstreaming Disaster Risk Reduction into Development Planning: From Risk to Resilience & First Pre Event On Gender Mainstreaming in Disaster Management in collaboration with National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India	02 <sup>nd</sup> April, 2013	Women's Development Cell, Shivaji College, University of Delhi
140.	Reproductive Health in Disasters :Impact and Management	National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India	14 <sup>th</sup> March, 2013	NIDM Training Institute, ITO Delhi
141.	Introduction to First Aid and Basic Surviving skills for school children	National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India	20 <sup>th</sup> February 2013	NIDM Training Institute, ITO Delhi
142.	Burn Wound Management	AIIMS-BECC Course	6 <sup>th</sup> December 2012	Srilanka
143.	Abdominal Trauma	Advanced Trauma Life Support (ATLS) provider course organized in association with American College of Surgeons – Committee on Trauma, USA	19 <sup>th</sup> -21 <sup>st</sup> November 2012	JPNATC, AIIMS, New Delhi
144.	Basic Surviving skills for school children	National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India	2 <sup>nd</sup> November 2012	NIDM Training Institute, ITO Delhi
145.	Basic Surviving skills for school children	National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India	10 <sup>th</sup> October 2012	NIDM Training Institute, ITO Delhi
146.	Trauma in Women	Advanced Trauma Life Support (ATLS) provider course organized in association with American College of	4 <sup>th</sup> -6 <sup>th</sup> October 2012	JPNATC, AIIMS, New Delhi

		Surgeons – Committee on Trauma, USA		
147.	Basic Surviving skills for school children	National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India	19 <sup>th</sup> September 2012	NIDM Training Institute, ITO Delhi
148.	Medical Emergency Management in Disaster	National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India	18 <sup>th</sup> September 2012	NIDM Training Institute, ITO Delhi
149.	Road accidents: First aid and Trauma care of victims in the hospital	National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India	3 <sup>rd</sup> July 2012	NIDM Training Institute, ITO Delhi
150.	Management of Acute wounds in Emergency	National Eye donation Fortnight Program	7 <sup>th</sup> June, 2012	JLN Auditorium, AIIMS, Delhi
151.	Basic Surviving skills for school children	National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India	30 <sup>th</sup> May 2012	NIDM Training Institute, ITO Delhi
152.	Basic Surviving skills for school children	National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India	16 <sup>th</sup> May 2012	NIDM Training Institute, ITO Delhi
153.	Integrated approach on Management of Serial bomb blast-medical management	National Institute of Disaster Management	30 <sup>th</sup> March 2010	NIDM Training Institute, ITO Delhi
154.	First aid to trauma and road accident victims	National Institute of Disaster Management	15 <sup>th</sup> March 2010	NIDM Training Institute, ITO Delhi
155.	Musculoskeletal Trauma	13 <sup>th</sup> Advanced Trauma Life Support (ATLS) Provider Course	11 <sup>th</sup> -13 <sup>th</sup> March 2010	JPNATC, AIIMS, New Delhi
156.	Injury due to Burns and Cold	12 <sup>th</sup> Advanced Trauma Life Support (ATLS) Provider Course	18 <sup>th</sup> -20 February 2010	JPNATC, AIIMS, New Delhi
157.	Injury due to Burns and Cold	11 <sup>th</sup> Advanced Trauma Life Support (ATLS) Provider Course	21 <sup>st</sup> -23 <sup>rd</sup> January 2010	JPNATC, AIIMS, New Delhi
158.	Injury due to Burns and Cold	9 <sup>th</sup> Advanced Trauma Life Support (ATLS) Provider Course	21 <sup>st</sup> -23 <sup>rd</sup> January 2010	JPNATC, AIIMS, New Delhi
159.	An approach to maxillofacial trauma	Maxillofacial Workshop organized during Trauma 2009	12 <sup>th</sup> -15 <sup>th</sup> November 2009	JPNATC, AIIMS, New Delhi

160.	Injury due to Burns and Cold	8 <sup>th</sup> Advanced Trauma Life Support (ATLS) Provider Course	29 <sup>th</sup> -31 <sup>st</sup> October 2009	JPNATC, AIIMS, New Delhi
161.	Disaster Health Management - Key issues	National Institute of Disaster Management	29 <sup>th</sup> September 2009	NIDM Training Institute, ITO Delhi
162.	Trauma in Women	7 <sup>th</sup> Advanced Trauma Life Support (ATLS) Provider Course	17 <sup>th</sup> – 19 <sup>th</sup> September 2009	JPNATC, AIIMS, New Delhi
163.	Burn Wound Management & Newer Dressing Materials	CME- Advances in Wound Care	6 <sup>th</sup> September 2009	AIIMS, New Delhi
164.	Initial assessment and management of acute trauma patients	Wound Care Con -2009	4 <sup>th</sup> -6 <sup>th</sup> September, 2009	India Habitat Center organized by Burns, Plastic and Surgery Department, SJH Delhi
165.	Trauma in Women	6 <sup>th</sup> Advanced Trauma Life Support (ATLS) Provider Course	29 <sup>th</sup> – 31 <sup>st</sup> August 2009	JPNATC, AIIMS, New Delhi
166.	Advances in Trauma Care -“Golden hour vs silver hour”	ASICON CME, ASI Delhi Chapter	26 <sup>th</sup> July 2009	JPNATC, AIIMS, New Delhi
167.	Injury due to Burns and Cold	5 <sup>th</sup> Advanced Trauma Life Support (ATLS) Provider Course	23 <sup>rd</sup> – 25 <sup>th</sup> July 2009	JPNATC, AIIMS, New Delhi
168.	Injury due to Burns and Cold	3 <sup>rd</sup> Advanced Trauma Life Support (ATLS) Provider Course	7 <sup>th</sup> – 9 <sup>th</sup> May 2009	JPNATC, AIIMS, New Delhi
169.	CSSD : Its Guidelines and Functioning at Trauma center	Infection Prevention Week	20 <sup>th</sup> -24 <sup>th</sup> October, 2008	JPNATC, AIIMS, New Delhi
170.	Trauma in Pregnancy & Management of maxillofacial injury	Indo US – Emergency Meet 2008	10 <sup>th</sup> -11 <sup>th</sup> October, 2008	New Delhi
171.	Integrated approach on Management of Serial bomb blast-medical management	National Institute of Disaster Management	8 <sup>th</sup> June 2008	NIDM Training Institute, ITO Delhi
172.	Injury prevention a social responsibility” in association with Center of Disease Control, Atlanta, USA	Surgery Census 2008	12 <sup>th</sup> March, 2008	JPNATC, AIIMS, New Delhi

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