



## Dr RATENDER KUMAR SINGH

MBBS, MD (Internal Medicine), PDCC (Critical Care Medicine)

FICCM | FACEE | ECMO Diploma (Paris) | MNAMS

**Professor, Emergency & Critical Care Medicine**

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### CURRENT POSITIONS

- Head, Department of Emergency Medicine, SGPGIMS, Lucknow (July 2018 – Present)
- Head, Department of Telemedicine & Digital Health (TMDH), SGPGIMS (April 2025 – Present)
- Professor, Emergency & Critical Care Medicine, SGPGIMS
- In-charge, SGPGI-PowerGrid Tele-ICU Service (Feb 2024 – Present)
- Lead for Artificial Intelligence (AI) and Digital Transformation, SGPGI
- Lead, SGPGI-Quaternary Healthcare (SQHC) — Ultra-specialized 600-Bed Segment, SGPGI

### RESEARCH IMPACT

<b>1752</b> Citations	<b>30</b> H-Index	<b>40</b> i10 Index
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### MEDICAL REGISTRATION

- MBBS: 040259, Medical Council, Uttar Pradesh (19.03.1996)
- MD: 4431, Medical Council, Uttar Pradesh (15.05.2013)

### PROFESSIONAL EXPERIENCE

<b>Apr 2025 – Present</b>	<b>Head of Department, Telemedicine &amp; Digital Health</b> <i>SGPGIMS, Lucknow</i>
<b>Feb 2024 – Present</b>	<b>In-charge &amp; Nodal Officer, SGPGI-PowerGrid Tele-ICU Service</b> <i>SGPGIMS, Lucknow</i>
<b>Apr 2020 – Nov 2021</b>	<b>In-charge, Rajdhani CORONA Hospital (RCH)   Nodal Officer-COVID-SGPGI</b> <i>SGPGIMS, Lucknow</i>
<b>Jul 2018 – Present</b>	<b>Professor &amp; Head, Department of Emergency Medicine</b> <i>SGPGIMS, Lucknow</i>
<b>Jul 2013 – Present</b>	<b>Additional Professor, Department of Critical Care Medicine</b> <i>SGPGIMS, Lucknow</i>
<b>Feb 2010 – Present</b>	<b>Associate Professor, Department of Critical Care Medicine</b> <i>SGPGIMS, Lucknow</i>
<b>Feb 2007 – Jan 2010</b>	<b>Assistant Professor, Department of Critical Care Medicine</b> <i>SGPGIMS, Lucknow</i>
<b>Jan 2006 – Feb 2007</b>	<b>Assistant Professor, Department of Internal Medicine</b> <i>BRD Medical College, Gorakhpur</i>
<b>Jan 2005 – Dec 2005</b>	<b>Post-Doctoral Certificate Course, Critical Care Medicine</b> <i>SGPGIMS, Lucknow</i>
<b>Jul 2002 – Dec 2004</b>	<b>Senior Registrar, Critical Care Medicine</b>

	SGPGIMS, Lucknow
Jan 2000 – Jun 2002	<b>Senior Registrar, Internal Medicine</b> VMMC & Safdarjung Hospital, New Delhi

## EDUCATION & TRAINING

2017	<b>International ECMO Diploma</b> <i>La Pitie-Salpetriere, Paris, France</i>
2005	<b>PDCC in Critical Care Medicine</b> <i>SGPGIMS, Lucknow</i>
1996 – 1999	<b>MD, Internal Medicine</b> <i>IMS, Banaras Hindu University, Varanasi</i>
1990 – 1995	<b>MBBS</b> <i>IMS, Banaras Hindu University, Varanasi</i>

## LEADERSHIP: TELEMEDICINE & DIGITAL HEALTH

### SGPGI-PowerGrid Tele-ICU Service

- Planned, designed, commissioned and operationalized the Tele-ICU Project for the State of Uttar Pradesh based on the HUB (SGPGI) & SPOKE Collaborative Care Model across 21 State Medical Colleges
- Pilot launched on 1st February 2024 at 6 Old State Medical Colleges (BRD Gorakhpur, GSVM Kanpur, SNM Agra, Jhansi, SRM Prayagraj, LLRM Meerut) — First-of-its-kind initiative in India with such massive ICU outreach
- Received the 16th FICCI Award (5 Nov 2024, India Habitat Center, New Delhi) for Excellence in Patient Service Delivery (Public Hospital)**
- Proposed expansion to 500-Bed Tele-ICU Network with 36 New State Medical Colleges and conversion of 6 existing SMCs to Sub-Hubs (Budget: ₹50 Cr), submitted to Principal Secretary, UP Govt, Feb 2025
- Proposed 100-ICU bed expansion to 18 District Hospitals in UP (Budget: ₹20 Cr)

### Digital Health Leadership

- First Head of Department of Telemedicine and Digital Health (TMDH) at SGPGIMS
- Lead for Artificial Intelligence (AI) implementation at SGPGI
- Lead for Digital Transformation of SGPGI

## LEADERSHIP: SGPGI-QUATERNARY HEALTHCARE (SQHC)

- Lead for SGPGI-Quaternary Healthcare (SQHC) — an ultra-specialized 600-bed segment in SGPGI for the most complex and multi-organ spectrum of patients, requiring enhanced coordination and cooperation between multiple super-specialities**
- First-of-its-kind Quaternary Healthcare center in India**

### 11 Service Lines:

- Advanced Neurosciences
- Cardiac Sciences
- Gut and Liver Sciences
- Maternal Fetal Medicine
- Precision Oncology
- Gene & Cell Therapy
- Anaesthesia and Peri-operative Medicine
- Advanced Critical Care
- Advanced Rehabilitation Center
- Advanced Simulation Center
- Advanced Core Lab

## LEADERSHIP: TRAUMA & EMERGENCY NETWORK

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- **Co-Chairman, Trauma and Emergency Task Force, set up by ACS, Department of Medical Education and Medical Health, Uttar Pradesh Govt**
- **Drafted the Technical Task Force Report, which conceptualized the following under UPTE:**
- Integrated Trauma and Emergency Units (ITEMUs) at L-1/L-2/L-3 centers distributed throughout Uttar Pradesh
- Integrated Ambulance Network with Telemedicine capabilities
- Digital Command Center
- Creation of Academic Emergency Departments at L-1 and L-2 ITEMUs
- Ring-Fenced Budget for Trauma & Emergency services
- 48-Hour Free Service at ITEMUs
- Core Team Member, Uttar Pradesh Trauma and Emergency Network (UPTEN) Committee, constituted by the Principal Secretary Medical Education, UP Govt
- Supported by WHO – Trauma and Emergency Care, South Asia Division

## LEADERSHIP: COVID-19 RESPONSE

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- Nodal Officer-COVID-SGPGI — Nominated by Chief Minister, UP to the Technical COVID Advisory Board for the State
- Planned, designed, commissioned and operationalized Rajdhani CORONA Hospital (RCH), the apex COVID Care Hospital & Referral Center for UP
- Created 328-bed facility with 276 ICU beds across RCH-I & II, with multi-level triage, 3 ICUs, 3 HDUs, 5 modular OTs, dialysis, mortuary, and more
- Averted a major oxygen crisis at RCH-1 by planning, commissioning and operationalizing the Liquid Oxygen Plant during 2nd wave
- Created COVID-Version-1.0 & 2.0 Teaching Training Modules and trained 75,000+ HCWs of 52 State Medical Colleges of UP via ECHO platform
- Issued 25+ advisories helping UP Govt plan and strategize COVID management during 2nd, 3rd, and impending 4th waves
- Member, COVID Associated Mucormycosis (CAM) Advisory Group for 52 State Medical Colleges of UP

## LEADERSHIP: EMERGENCY MEDICINE

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- HoD, Emergency Medicine, SGPGI since July 2018; conferred FACEE at EMINDIA-2019, AIIMS, New Delhi
- Started the first NMC-recognized MD in Emergency Medicine in Uttar Pradesh
- Conceptualized and designed the New Emergency Medicine Block in EMRTC — a 558-bed state-of-the-art facility with 210 beds dedicated to Emergency Medicine across 1st and 4th floors
- The EM Block features: multi-zone triage, resuscitation, red/yellow/green zones, SSU, ACU, SDU, disaster zone, FEU, CPU, CDU, major/minor OTs, endoscopy, bronchoscopy, radiology suites (MRI/CT/DSA/USG), and 24-hour laboratory
- Running PDCC in Resuscitative Emergency Medicine; launching PDCC/PDF programs in Geriatric EM, Acute Care EM, Tele-ED/ICU, Toxicological EM, Neuro/Cardiac Emergencies
- Envisioned 7 ED units as per NMC guidelines, along with BSc-EMT paramedical courses and Pre-Hospital Care / Air Ambulance Service

## AWARDS & HONORS

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- **FICCI Award for Excellence in Patient Service Delivery (Public Hospital), 2024 — SGPGI-PowerGrid Tele-ICU Service**
- Best Poster Award, 4th SG-ANZICS Intensive Care Forum, Singapore, 2017 — "Diaphragmatic Thickening Predicts Weaning"
- 2nd Best Paper Award, 3rd National Conference on Emergency and Critical Care (PACE 2011), Coimbatore
- Fellowship of Academic College of Emergency Experts (FACEE), EMINDIA-2019, AIIMS, New Delhi
- Fellowship of Indian College of Critical Care Medicine (FICCM), Jaipur Criticon-2014
- Membership, National Academy of Medical Sciences (MNAIMS), NAMSCON-2017, Amritsar
- Executive Member, SEMI-UP Chapter, 2020

- Chairman, Lucknow Critical Care Society (ISCCM), 2017–2019

## PATENTS & INNOVATIONS

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- "Marked Introducer Needle for Ultrasound Guided Central Venous Catheterization" — CBR No: 11461 (31.10.2013), Patent No: 3223/DEL/2013 (Under review)

## PROFESSIONAL MEMBERSHIPS

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- European Society of Intensive Care Medicine (ESICM)
- Society of Critical Care Medicine (SCCM), USA
- American Academy of Emergency Medicine (AAEM)
- Society of Emergency Medicine India (SEMI)
- European Society of Emergency Medicine (EuSEM)
- Indian Society of Critical Care Medicine (ISCCM) — Life Member
- Association of Physicians of India (API) — Life Member
- Indian Medical Association (IMA) — Life Member

## EXAMINER ROLES

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- DM Critical Care Medicine Exit Examiner — CMC Vellore (2026)
- MD-EM External Examiner — AIIMS Patna (2026), AIIMS Rishikesh
- DM Critical Care Exit Examiner — Madras Medical College, Chennai (Feb 2025)
- MD-EM Exit Examiner — AIIMS Rishikesh (2021)
- DNB-EM Exit Examiner — Kozhikode Medical College, Kerala (2023)
- DM Critical Care — St. John's Medical College, Bangalore (2018, 2019)
- PDCC Critical Care Medicine — SGPGI (2014, 2015, 2016)

## THESIS GUIDE

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- Emergency Medicine (EM) Postgraduates: 10 PG students guided
- DM Critical Care Medicine (DM-CCM): 4 students guided

## FACULTY SELECTION & ASSESSMENT COMMITTEES

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- AIIMS-Bhopal, Rishikesh, Jodhpur, Gorakhpur, Raibareli
- Ram Manohar Lohia Institute of Medical Sciences (RMLIMS) — Emergency Medicine
- King George Medical University (KGMU) — Emergency Medicine
- SGPGIMS — Emergency Medicine, Apex Trauma Centre
- Ranchi Institute of Medical Sciences (RIMS) — Critical Care Medicine
- National Medical Council (NMC) UGMEB Committee for MSR amendment in Emergency Medicine
- Board Member, DGME-UP, Atal Bihari Vajpayee University of Medical Sciences, Autonomous Medical Colleges, UP

## JOURNAL REVIEWER

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• Intensive Care Medicine	• Critical Care Medicine
• Critical Care	• Journal of Critical Care
• Journal of Intensive Care	• Thrombosis Research
• Indian Journal of Medical Research	• International Journal of Medical and Public Health

• Indian Journal of Gastroenterology	• Indian Journal of Neurology
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## SPECIAL INTEREST AREAS

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- Transesophageal Echocardiography (TEE) — Trained at GB Pant Hospital, New Delhi
- Transthoracic Echocardiography (TTE) and Bedside Ultrasonography in Critical Care
- Point of Care Ultrasonography (POCUS)
- ECMO (International Diploma, Paris)
- SGPGI-Tele-ICU Service & Tele-ED/ICU for UP
- Disseminated Intravascular Coagulation
- Severe Acute Pancreatitis
- Hemodynamic Monitoring
- Uttar Pradesh Trauma and Emergency Network (UPTEN)
- Uttar Pradesh Medical College network (UPMCN)-Telemedicine Network
- Artificial Intelligence (A.I) and Digital Transformation of SGPGI to SGPGI 2.0

## BOOK CHAPTERS

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- "Diagnostic Scoring System for Disseminated Intravascular Coagulation" in Disseminated Intravascular Coagulation (DIC), NOVA Publishers, ISBN: 978-1-62948-327-6
- "Intra-abdominal Pressure Monitoring in ICU" in Manual of ICU Procedures, Jaypee Publishers, ISBN: 978-93-5152-422-9
- "Infections in Immunocompromised Patients in ICU" in Critical Care, Jaypee Publishers, ISBN: 978-93-5152-213-3
- Chapter in Renal Nutrition, Jaypee Publishers

## CONFERENCES & WORKSHOPS ORGANIZED

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- **Organizing Chairman — EMPARV International-2026, Department of Emergency Medicine, 21<sup>st</sup> to 23<sup>rd</sup> August, SGPGI**
- **Organizing Chairman — CRITICON 2024: Precision Medicine in Critical Care, 27–29 Sep 2024, ISCCM UP**
- Organizing Secretary — CME on Septic Shock & FCCS Course, Sep 2010, SGPGI
- Organizing Secretary — 3rd Annual UP & UK Critical Care Conference (ISCCM), Oct 2012, SGPGI
- Course Director — Critical Care for Nurses Workshop; Ultrasound in CC & Emergency; Percutaneous Tracheostomy; Mechanical Ventilation Workshops
- Treasurer — 1st National Conference on Life Threatening Fungal Infections (Silver Jubilee, SGPGI), Dec 2013
- Organized Two-Day Advanced ECMO Course, SGPGI, Nov 2017
- Organized POCUS Workshop for Senior Residents, SGPGI, Jun 2011

## GUEST/FACULTY LECTURES, CONFERENCES, CMES & SYMPOSIUMS

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### 2025

- Chief Guest, AMSP, Department of Microbiology & Department of Critical Care Medicine, SNMC-Agra, 27th January 2025
- Faculty Lecture: Technological Advancements in VAP; HICCCON-SGPGI, 5th February, SGPGI, Lucknow
- Moderator, Session on Antifungals in ICU; Glenmark Advisory — Antimicrobial Stewardship, 11–12th January, New Delhi
- External Examiner, 1st Batch DM in Critical Care Medicine, Madras Medical College, Chennai, 18th February 2025
- Panellist, Thematic Session; Critical Care Conference of ISCCM, Kochi, 7–9th March 2025
- Faculty, Mechanical Ventilation Workshop, 25th April 2025, Department of Critical Care Medicine, Max Hospital, Lucknow
- Faculty Lecture: Tele-ICU; EM-PARV-2025, AIIMS Rishikesh, 28–29th July 2025

### 2024

- Designing of ED Protocols, Nation-wide Committee of Emergency Physicians, Hyderabad, 21–22nd December 2024
- SGPGI-PowerGrid Tele-ICU Service received the 16th FICCI Award for Excellence in Patient Service Delivery (Public Hospital), India Habitat Centre, New Delhi, 5th November 2024

- Faculty Lecture: Early Recognition and Diagnosis of Sepsis; SEPSIS CONSORTIUM-2024, 13–14th September 2024 (World Sepsis Day), Shatabdi Hospital Phase-2, KGMU, Lucknow
- Chairperson & Moderator, Session on SGPGI-Tele-ICU Service; CRITICON 2024, 27–29th September, Department of Emergency Medicine, SGPGI, Lucknow
- Faculty Lecture: Multidrug Resistant Organisms (MDROs) in ER — Strategies for Infection Control and Treatment; 5th October 2024, ABV Scientific Convention Center, KGMU, Lucknow
- Faculty Lecture: Antibiotic Stewardship; Academy of Emergency Medicine Forum Webinar, 19th June 2024

## 2023

- Master Class — Radiology, ISCCM & Emergency Medicine, SGPGI, 6th May 2023, Mini-Auditorium, SGPGI
- Faculty Lecture: Infected Pancreatic Necrosis (IPN) ICU Management; Webinar — Pfizer, 9th April 2023
- Faculty Lecture: Indications of Antifungals in ICU; 01-Course Critical Care Medicine, April 2023, Telemedicine Auditorium, SGPGI, Lucknow
- ICONIC-3, 20th May, Mumbai
- Faculty Lecture: Management of Shock in Trauma and Emergency; KANPUR-CRITICON-2023, Department of Critical Care Medicine, Regency Hospital, Kanpur, 4th June
- Faculty Lecture: FAST-HUGS-BID — How I Do It; Academy of Emergency Medicine Forum Webinar, 22nd June 2023
- Faculty Lecture: Thromboprophylaxis in Hospitalized Special Population with Deranged Parameters — An Indian Perspective; Webinar — Sanofi-SEAD-VTE, 23rd June 2023
- Faculty Lecture: Thrombolysis in Acute Stroke — What Must We Know? 12th UP-UK ISCCM State Chapter CRITICON-2023, 25–27th August, Radisson Blu, Kaushambi, Delhi NCR
- Faculty Lecture: Biomarkers in Sepsis; World Sepsis Day — 13th September, Sepsis Update, Department of Pulmonary & Critical Care Medicine, KGMU, Lucknow
- Faculty Lecture: Biomarkers in Sepsis; Academy of Emergency Medicine Forum Webinar, 6th December 2023

## 2022

- Faculty Lecture: What's New in Sepsis; Sepsis Update-2021, 13th September 2021, Department of Pulmonary & Critical Care Medicine, KGMU
- Faculty Lecture: HFNC in COVID; World Conference on Covid and Critical Care (W4C), 22–24th October 2021, Jim Corbett, Nainital, Uttarakhand
- Faculty Lecture: Treatment of MRSA Infections in India — Insights from a Delphi Analysis; 14th May 2022, Sanofi Webinar
- Faculty Lecture: NIV in ARF — What's There to Know? Mechanical Ventilation Workshop, ISCCM Lucknow, Chandan Hospital, Lucknow
- Faculty Lecture: Posaconazole — Is It Sufficient for All Mucormycosis? ISCCM & Chest Society Webinar, 9th July 2022
- Faculty Lecture: Nutrition — Refeeding Syndrome; Renal Nutrition & Metabolic Conference, Hyatt Hotel, Lucknow, Department of Nephrology, SGPGI

## 2021

- Faculty Lecture: What's New in Sepsis; Sepsis Update-2021, 13th September 2021, Department of Pulmonary & Critical Care Medicine, KGMU

## 2020

- Guest Speaker: Syncope — Pearls & Pitfalls; SEMI 2020, Inauguration of UP Chapter-SEMI
- Chairperson; CRITICARE-2020, Hyderabad, 26th February to 1st March

## 2019

- Instructor, FCCS-Obstetrics; organized jointly by Departments of Obstetrics & Gynaecology and Anaesthesia & Critical Care, GSVM Kanpur
- Presentation: Overview of ASP; Antibiotic Stewardship Programme-2019, 1st June 2019, Hotel Hilton, Gomti Nagar, Lucknow
- Presentation: New Antibiotic; LCCS, Hotel Hilton, Lucknow, 14th September 2019
- World Congress of Intensive Care, ANZICS, Melbourne Convention & Exhibition Centre, 14–18th October 2019 — Poster: Ultrasound Measured Lean Quadriceps Muscle Thickness as a Nutrition Assessment Tool
- Chairperson, Session on Infection & ECMO; ECMOCON-2019, RMLIMS, Lucknow, 13–15th December 2019

## 2018

- BLS and PALS Provider Course; Indian Academy of Pediatrics & Department of Critical Care Medicine, SGPGI, 17–20th January 2018
- BLS and ACLS Provider Course; Department of Anaesthesia, SGPGI, 11–12th August 2018

- Sepsis Day 2018, Hotel Fair Field Marriott, Gomti Nagar, Lucknow
- 2nd ICONIC Meeting — Framing of Guidelines for Indian Setting: Carbapenemase Resistant Enterobacteriaceae (CRE); 18th November 2018
- Stroke Academy Master Class, 8–9th December, Hotel Hyatt, Mumbai — Angels Initiative
- Optimizing Antifungals in ICU; Hotel Vijay Lords, Kanpur, 24th November 2018
- Mock Exam, Critical Care Medicine, SGPGI, Lucknow, 13–15th December 2018

## 2017

- Kochi Critical Care-2017: Workshop on Antimicrobial Stewardship (2nd February) & Faculty Lecture: Breaking Bad News (3rd February), Aster Medicity Hospital, Kochi
- National Emergency Medicine Board Review India Course (NEMBRIC), 6–10th February 2017, National Board of Examinations, Dwarka, New Delhi
- La-Pitié International Diploma in ECMO & Short-term Respiratory and Circulatory Support, 6–10th March 2017, Institute of Cardiology, Pitié-Salpêtrière, Paris
- Guest Lecture at Hands-on-Training Workshop on Percutaneous Dilatational Tracheostomy (PCDT), Hotel Piccadilly, Lucknow, 25th March 2017
- Faculty Lecture: Advanced Modes of Ventilation; Mechanical Ventilation Workshop, Department of Critical Care Medicine, SGPGI (ISCCM-Lucknow), 15th April 2017
- Best Poster Award: Diaphragmatic Thickening Predicts Weaning; 4th SG-ANZICS Intensive Care Forum-2017, Singapore, 20–24th April 2017
- Chairperson: Polymyxin-B & Colistin — Chalk and Cheese or Peas in a Pod; Wockhardt Critical Care Division, Hotel Clarks Awadh, Lucknow, 29th July 2017
- Guest Lecture: Dyspnea in ICU; BREATH EASY Foundation, Hotel Radisson, Varanasi, 25th June 2017
- Chairperson: VTE Prophylaxis in Hospitals; Sanofi-India, Hotel Awadh India, Lucknow, 20th May 2017
- Advisory Board Meeting — SEAD (Sharing Expertise in Managing Thrombotic Disorders), Sanofi-India, Hotel Taj Santa Cruz, Mumbai, 15th July 2017
- Course Director & Faculty: Mechanical Ventilation Workshop (Initiation & Advanced Modes), UPISACON-2017, KGMU Trauma Centre, Lucknow, 1st September 2017
- Organized CME: Hospital Acquired Infections — An Update (World Sepsis Day), Lucknow Critical Care Society, Hyatt Regency, Lucknow, 16th September 2017
- Web Telecast on Sepsis Day, in collaboration with Medicity Medanta, Gurgaon, 28th September 2017
- Received Membership of National Academy of Medical Sciences (NAMS); NAMSCON-2017, Sri Guru Ram Das Jee Institute of Medical Sciences, Amritsar, 28th October 2017
- Agra Trauma Criticon-2017, 14th Annual Conference of ISCCM Agra Chapter — Faculty Lecture: Management of SAP in ICU; Course Director: Ultrasound in Critical Care & Emergency; 4–5th November
- Organized Two-Day Advanced ECMO Course, Department of Critical Care Medicine, SGPGI (ISCCM), 17–18th November 2017
- FCCS, Midland Hospital, Lucknow, 2–3rd November 2017
- ATLS Course, 7–9th December 2017

## 2016

- Annual Conference of ISCCM — CRITICARE 2016, Agra, 3–7th February: Faculty Lecture: Pro-Biomarker Guided Antimicrobials in Critical Care (Antimicrobial Stewardship Workshop); Chairperson: Ventilation Session; Faculty Lecture: Early Antifungal Therapy (Case Presentation)
- Director, Workshop on Mechanical Ventilation; ISA-SAFAI CME cum Workshop, 26–28th February 2016, ISA Safai City Branch, U.P.
- Faculty: Workshop on Ultrasound in Regional Anaesthesia and Intensive Care; ISA Kanpur & Department of Anaesthesiology, GSVM Medical College, Kanpur, 29th May 2016
- Faculty Lecture: Management of Respiratory Critically Ill Patients in ICU; Respiratory Conclave, Hotel Radisson, Varanasi, 26th June 2016
- Arterial Blood Gases Interpretation; ISA Kanpur & Regency Hospital, 2nd July 2016
- Faculty Lecture: Sepsis Management in Primary Care; CME on Sepsis Management, Fortis, Ludhiana, 13th August 2016

## 2015

- Guest Lecture: NIV — Practice Implications; Expert Classes, Kanpur Chest Society, Red Cliff, Kanpur, 31st January 2015
- Guest Lecture: Swine Flu — Lessons Learnt from the 2009 H1N1 Pandemic; IMA-Kanpur session, GSVM Medical College, Kanpur, 8th February 2015

- Course Director & Faculty: Workshop on Ultrasound in Critical Care & Emergency, Regency Hospital, Kanpur, 15th February 2015
- Guest Lecture: Management of Invasive Fungal Infections; Command Hospital, Lucknow, 21st February 2015
- 12th Annual Canadian Critical Care Conference, Whistler, Canada, 24–27th February 2015 — Oral Presentation: Percutaneous Drainage Is Superior to Surgical Interventions in Severe Acute Pancreatitis
- CRITICARE 2015, ISCCM, Bangalore, 4–8th March — Faculty Lecture: Preload, Afterload & Transmural Pressure: Clinical Implications; Panelist: AIM-MDR Infections
- Faculty Lecture: Nutrition in ICU; Advanced Certificate Course in Renal Nutrition and Metabolism, Department of Nephrology, SGPGIMS, Lucknow, 4–5th April 2015
- Panelist: Invasive Fungal Infections; CME, Lucknow Chest Society, Taj Hotel, Lucknow, 12th April 2015
- Faculty Lectures: Pain Management in Post-op & Trauma; Pathophysiology of Sepsis; Role of Ultrasonography in DVT & PE; Gujarat Critical Care Conference (GCCC), Hotel Novotel, Ahmedabad, 24–26th April 2015
- Faculty Lecture: New Modes for Weaning; Workshop on Weaning from Ventilator, Department of Anaesthesiology & Critical Care, KGMU, Lucknow, 9th May 2015
- Guest Lecture: ICU Care in Severe Acute Pancreatitis; Cipla Critical Care, Hotel Tulip, Lucknow, 23rd May 2015
- Faculty Lecture: Trouble Shooting in ICU; JE/AES ICU Workshop, Department of Neurology, SGPGIMS, Lucknow (sponsored by UP Medical & Health Services), 9–13th June 2015
- Faculty Lecture: Mechanical Ventilation — Basic Modes and Troubleshooting; Intensive Respiratory & Critical Care Update, GSVM Medical College & Regency Hospital, Kanpur, 26–28th June 2015
- Guest Lecture: Antibiotic Initiation in ICU; Department of Anaesthesia, SGPGIMS, Lucknow, 4th July 2015
- Faculty Lecture: Mechanical Ventilation in ARDS, COPD, Asthma & BPF; Comprehensive Critical Care Course (4C), CME (ISCCM Bareilly Chapter), SRMS Institute of Medical Sciences, Bareilly, 18–19th July 2015
- Poster Presentation: Discriminative Ability of ICU Predictive Scores in Critically Ill; Annual Scientific Meeting of Intensive Care, Kuala Lumpur, Malaysia, 14–16th August 2015
- Faculty Instructor, Fundamental Disaster Management (FDM) Certificate Course (SCCM USA), Department of Anaesthesia & Critical Care, KGMU, Lucknow, 21st August 2015
- Faculty Instructor, Fundamental Critical Care Support (FCCS) Course, Department of Anaesthesia & Critical Care, KGMU, Lucknow, 22–23rd August 2015
- Faculty Lectures: Basic Biochemistry/Acid Base & Colloids — Evidence-Based Role in Critically Ill; Fundamental Course on Fluids & Electrolytes, Department of Critical Care Medicine, SGPGI, 7–12th September 2015
- Faculty Lecture: Newer Strategies for Weaning; North Zone Critical Care Conference (ISCCM) DCCS-2015, Workshop on Mechanical Ventilation, BLK Hospital, New Delhi, 10–11th September
- Workshop Director: USG in Critical Care & Emergency; Faculty Lecture: Nutritional Assessment in ICU; UPUK Critical Care Conference, IMS BHU, Varanasi, 2–4th October 2015
- Faculty Lecture: What's New in Sepsis; UPISACON-2015, 37th Annual Conference of UP Chapter ISA, SN Medical College, Agra, 9–11th October 2015
- Oral Paper Presentation: Right Heart Transthoracic Echocardiography in Critically Ill ICU Patients; 16th Annual Conference of SEMI — EMCON-2015, Renaissance Mumbai, 6–9th November 2015
- Faculty Lectures: Sepsis in Pregnancy & AKI in Pregnancy; National Conference Obstetrics & Gynaecology (UPCOG-2015), FOGSI, GSVM Medical College, Kanpur, 27th November 2015
- Faculty Lecture: Management of SAP in ICU; Critical Care Changing Trends CME (ISCCM Bareilly Chapter), SRMS Institute of Medical Sciences, Bareilly, 12–13th December 2015

## 2014

- Instructor: Workshop on Bedside Ultrasound in Emergency & Critical Care; 51st Annual National Conference of Indian Academy of Pediatrics (PEDICON), Indore, MP, 8th January 2014
- Faculty Lecture: Use Bicarbonate with Caution — Treat on Evidence and Not on Lab; ISCCM National Critical Care Conference, Jaipur, 14–18th February 2014
- Faculty Lecture: Pain Management — How to Choose an Analgesic in OPD, ER & ICU; Instructor: Trauma Critical Care; Gujarat Critical Care-2014, 5–6th April
- Faculty Lecture: Physiology of Oxygen Delivery; Workshop on NIV & Oxygen Therapy, Lucknow Chapter ISCCM & Philips Respironics, Hobby Centre, SGPGI, 26th April 2014
- Chairperson: Insights into Ambisome — Update from ECCMID 2014 (Prof Jill Adler Moore, University of California); Panelist: Case Discussion on IFI in ICU; Taj Mahal Hotel, New Delhi, 15th May 2014
- Guest Lecture: Invasive Fungal Infections — What You Must Know? CME on Infections in ICU, Maduraj Hospital, Kanpur, 20th April 2014
- Guest Lecture: Omalizumab Use in Asthma Patients; Ajanta Hospital, Lucknow, 11th April 2014

- Faculty Lecture: Invasive Fungal Infections — What You Must Know? CME on Infections in ICU, Department of Medicine, Shere-Kashmir Institute of Medical Sciences (SKIMS), 3rd July 2014
- Instructor, FCCS; KGMC, Department of Anaesthesia, 2–3rd August 2014
- Faculty Lecture: Assessment of Respiratory Failure; CME & Workshop on Mechanical Ventilation, Dr RMLIMS & ISA Lucknow, Indira Gandhi Pratishthan, Gomti Nagar, Lucknow, 30–31st August 2014
- Faculty Lecture: Antibiotic Therapy in ICU; CME — Newer Horizons in Critical Care Medicine, Command Hospital, Lucknow, 15–16th September 2014
- Guest Lecture: Oxygen Therapy in ICU; Ajanta Hospital, Lucknow, 19th September

## 2013

- Instructor: Workshop on Ultrasonography in Emergency Medicine; 5th National Assembly on Pediatric Emergency Medicine (NAPEM-2013), Ludhiana, 15–17th February
- Guest Lecture: Nutrition Assessment in Critically Ill; Workshop on Nutrition, Hobby Centre, SGPGI, March 2013
- Guest Lecture: Severe Acute Pancreatitis — What Evidence Suggests; Critical Care Forum, Jaipur, 6th April 2013
- Panelist: Fungal Infection in ICU; Hotel Taj, 19th April 2013
- Guest Lecture: An Update on ARDS; Hotel Clark Inn, Gorakhpur, 20th April 2013
- Chairperson (Fluids in Trauma & Sepsis; Management of Fungal Infections in ICU; DIC; Antimicrobial Resistance; Thromboprophylaxis in ICU); Critical Care Changing Trends-2013, ISCCM Bareilly Branch, Jim Corbett, Nainital, 11–12th May 2013
- Guest Lecture: Fungal Infections in ICU — Epidemiology, Risk Stratification and Management; Hotel Ramada, Varanasi, 22nd June 2013
- Guest Lecture: Critical Care Gaps in 2nd and 3rd Tier Cities in India; PEHAL — Antibiotic Stewardship, Glenmark Criticare, Hotel Sahara, Mumbai, 23rd June 2013
- Panelist: Antimicrobial Resistance (with Dr Samuel Shaum, Johns Hopkins University); Hotel ITC Maurya, New Delhi, 20th July 2013
- Guest Lecture: DVT Awareness in Intensive Care; Ajanta Hospital, Lucknow, 23rd July 2013
- Guest Lecture: ARDS Update; Ajanta Hospital, Lucknow, 26th July 2013
- Faculty Lecture: Nutrition Targets — Does One Size Fit All? ACCORDION 2013, 1st Annual Conference, G. B. Pant Hospital, New Delhi, 27–28th July 2013
- Faculty Lecture: Antibiotic Prescription in ICU; CZ-UPISACON-2013, 5th Central Zone & 35th UP Chapter Annual Conference of ISA, Indira Gandhi Pratishthan, Lucknow, 6–8th September 2013
- Guest Lecture: Swine Flu — ICU Management; 2nd Expert Classes in Pulmonology, Hotel Red Cliff, Kanpur, 8th September 2013
- Faculty Lecture: Fungal Sepsis — What We Must Know; 4th Annual UP & Uttarakhand ISCCM Critical Care Conference, GSVM Medical College & Regency Hospital, Kanpur, 25–27th October 2013
- Faculty Lecture: What's New in Hemodynamic Monitoring? East Zone ISCCM Critical Care Conference (EZCCON-2013), NERIGRIMS, Shillong, 19–22nd September 2013
- Faculty Lectures: Community vs. Hospital Acquired Infections; SIRS, Sepsis, Severe Sepsis, Septic Shock & MODS; Surgery Update-2013, Maulana Azad Medical College (MAMC), New Delhi, 24th October 2013
- Faculty Lecture: Update on ARDS; Pan-African Telemedicine Meet, Department of Telemedicine, SGPGI, 30th September 2013
- Faculty Lecture: Dysglycemia in ICU — Intensivist's Perspective; UP Diabetic Association Annual Conference (UPADACON-2013), BHU, Varanasi, 4–5th October 2013
- Guest Lecture: Colistin PK/PD in ICU; Varanasi, 16th November 2013
- Paper Presentation: 9th World Congress of WINFOCUS, Hong Kong, 6–9th November 2013
- Guest Lecture: PEHAL — Antibiotic Stewardship, Glenmark Criticare, Meerut, 15th December 2013
- Guest Lecture: PEHAL — Antibiotic Stewardship, Glenmark CritiCare, Kanpur, 22nd December 2013

## RESEARCH PROJECTS

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### Completed Intramural Projects

- Comparative evaluation of revised JAAM and ISTH scores in early diagnosis of DIC (Published: Thrombosis Research)
- Echocardiographic evaluation of right heart dysfunction in critically ill ICU patients (Published: JASE)
- Prospective RCT to assess impact of statins in septic shock (Published: IJCCM)
- Comparison between marked and unmarked US-guided central line cannulation — Nominated for Hansraj Nayyar Oration Award, CRITICARE-2015

- Diaphragmatic ultrasound assessment for weaning from mechanical ventilation (2014)
- Effect of early pH changes on mortality in critically ill ICU patients (2015)
- CHITRA in collaboration with ISCCM (2016)
- Right Heart Dysfunction in Septic Shock: Prospective Observational Study (2016)
- POCUS measurement of LQMT for nutritional assessment (2017)
- Intervention-related outcomes in Severe Acute Pancreatitis: Retrospective study (2017)

### COVID-19 Era Projects (2018–2023)

- A Novel Epidemiological Scoring system for prediction of mortality in COVID-19 patients
- Clinical profile of patients in the Emergency Department of a tertiary care centre
- Comparison of SOFA severity scoring with metabolomics in sepsis (NMR-based)
- Epidemiological profile and outcome of COVID-19: 1st vs 2nd wave comparison at Level III facility
- Impact of Terlipressin and Albumin on Metabolomics of HRS patients (NMR-based)
- Vaccination reduces respiratory support requirement and mortality in COVID-19

## PUBMED-INDEXED PUBLICATIONS

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### 2025

1. Jafri A, Singh RK, Sharma UC. Paraquat a deadly poison. *Visual J Emergency Medicine*. 2025;38(1):102181.

### 2024

1. Mishra P, Singh RK, Nath A, et al. Epidemiological profile and Outcome of COVID-19 patients — comparison between First and Second wave at a Tertiary level facility in North India. *Cureus*. DOI:10.7757/cureus.74456.
2. Saseedharan S, Dubey D, Singh RK, et al. Treatment challenges in management of difficult-to-treat gram-positive infections: consensus on levonadifloxacin/alalevonadifloxacin. *Indian J Med Microbiol*. 2024;47:100528.

### 2023

1. Bhalchandra AR, Sanjeev OP, Chaudhary R, et al. Coronavirus infection and ABO blood grouping: Correlation or coincidence? *J Family Med Prim Care*. 2023;12(10):2268-2273.
2. Verma A, Goel A, et al. Durability of ChAdOx1 nCoV-19 (Covishield®) Vaccine Induced Antibody Response in Health Care Workers. *Vaccines*. 2023;11(1):84.

### 2022

1. Awale RB, et al. Routine hematology parameters in COVID-19: A predictor of disease severity and mortality. *J Family Med Prim Care*. 2022;11:3423-3429.
2. Awale RB, Ghatak T, et al. Pattern of conventional coagulation and thromboelastographic parameters in COVID-19 and association with mortality in ICU. *Anesth Essay Res*. 2022;16:65-70.
3. Ghatak T, Singh RK, et al. Impact of COVID-19 on Clinical Practices, Working Environment and Social Life of Intensivists in Non-COVID-ICU. *Indian J Crit Care Med*. 2022;26(7):816-824.
4. Singhal T, et al. Treatment of MRSA infections in India: Clinical insights from a Delphi analysis. *Indian J Med Microbiol*. 2022;40(1):35-45.
5. Mishra P, Singh RK, et al. A novel epidemiological scoring system for prediction of mortality in COVID-19. *Trans R Soc Trop Med Hyg*. 2022;116(5):409-416.
6. Hashim Z, et al. New Insights into COVID-19-Associated Pulmonary Aspergillosis in 1161 ICU Patients. *Mycoses*. 2022. DOI:10.1111/myc.13485.
7. Hashim Z, Ghatak T, et al. Role of low-dose tPA in refractory hypoxia due to pulmonary microthrombi in COVID-19. *Lung India*. 2022;39(3):286-291.
8. Sanjeev OP, Verma A, et al. COVID-19 vaccine-related functional neurological disorders in ED. *CJEM*. 2022;24(4):455-456.
9. Rahul, Kumar A, et al. Questionnaire-based study on quality of clinical communication with COVID-19 families. *Patient Educ Couns*. 2022;105(2):304-310.
10. Sanjeev OP, Singh RK, Ghatak T. Normal lipase acute pancreatitis: A case report. *Emergency Care J*. 2022;18(4).

### 2021

1. Samanta S, et al. Incorporating Lung Ultrasound in Clinical Pulmonary Infection Score for VAP Diagnosis. *Indian J Crit Care Med*. 2021;25(3):284-291.
2. Verma A, et al. Predictors of Mortality among Non-Traumatic Non-COVID Emergencies During Early COVID-19 Outbreak in North India. *J Emergency Medicine*. 2021;7(3).

### 2020

1. Malik YS, et al. Coronavirus Disease Pandemic (COVID-19): Challenges and a Global Perspective. *Pathogens*. 2020;9(7):519.
2. Ghoshal UC, et al. Spectrum of GI Symptoms in COVID-19: Predictors, Relationship With Disease Severity. *Clin Transl Gastroenterol*. 2020;11(12):e00259.

## 2019

1. Mishra SB, et al. Quality of Life After ICU Discharge: Cost Effectiveness Analysis. *Indian J Crit Care Med*. 2019;23(3):122-126.
2. Soman R, et al. Indian consensus on CRE infection management in critically ill patients (ICONIC). *Expert Rev Anti Infect Ther*. 2019;17(8):647-660.
3. Saran S, et al. Trans-Esophageal Doppler Assessment of Hemodynamic Changes Due to Prone Positioning in ARDS. *Shock*. 2019;52(4):e39-e44.

## 2018

1. Ghosh PS, et al. Comparison of Hemodynamic Monitoring: TEE Doppler vs USG-Guided IVC Distensibility — Supine vs Prone. *Indian J Crit Care Med*. 2018;22(12):836-841.
2. Samanta S, Singh RK, et al. Early pH Change Predicts ICU Mortality. *Indian J Crit Care Med*. 2018;22(10):697-705.
3. Ghosh PS, et al. Correlation of Neutrophil CD64 with Clinical Profile and Outcome of Sepsis in ICU. *Indian J Crit Care Med*. 2018;22(8):569-574.

## 2017

1. Samanta S, Singh RK, et al. Diaphragm thickening fraction to predict weaning — a prospective exploratory study. *J Intensive Care*. 2017;5:62.
2. Singh RK, Agarwal V, et al. Effects of atorvastatin on inflammatory responses and mortality in septic shock: single center RCT. *Indian J Crit Care Med*. 2017. DOI:10.4103/ijccm.IJCCM\_474\_16.
3. Singh RK, Saran S, Baronia AK. The practice of tracheostomy decannulation — a systematic review. *J Intensive Care*. 2017;5:38.
4. Ahmed A, et al. External Validation of Risk Prediction Scores for Invasive Candidiasis in ICU. *Indian J Crit Care Med*. 2017;21(8):40-46.
5. Mishra SB, et al. Pilot RCT: Extended Daily Hemodialysis vs CVVHD in AKI with Septic Shock. *Indian J Crit Care Med*. 2017;21(5):262-267.
6. Muzaffar SN, et al. Thromboelastography for Evaluation of Coagulopathy in Non-bleeding Sepsis at ICU Admission. *Indian J Crit Care Med*. 2017;21(5):268-273.
7. Muzaffar SN, et al. Predictors and pattern of weaning in prolonged mechanical ventilation. *Rev Bras Ter Intensiva*. 2017;29(1):23-33.
8. Naranje KM, et al. Blood Glucose Variability and Outcomes in Critically Ill Children. *Indian J Crit Care Med*. 2017;21(3):122-126.
9. Mishra SB, et al. Incidence and risk factors of central line-associated bloodstream infections at an ICU. *Int J Qual Health Care*. 2017;29(1):63-67.

## 2016

1. Singh RK, et al. Right heart in septic shock: prospective observational study. *J Intensive Care*. 2016;4:38.
2. Misra SB, et al. Epidemiology of CLABSI at a tertiary care centre in northern India. *J Hosp Infect*. 2016;92(3):299-301.
3. Mishra SB, Singh RK, et al. Sustained low-efficiency dialysis in septic shock. *Indian J Crit Care Med*. 2016;20(12):701-707.
4. Ghatak T, Singh RK, et al. Marked vs unmarked introducer needle in US-guided central vein cannulation. *Ann Card Anaesth*. 2016;19(4):621-625.

## 2015

1. Mishra SB, et al. SLED vs CRRT in septic shock: RCT. *ICM Experimental*. 2015;3(Suppl 1):A55.
2. Singh C, et al. Metabolic profiling in human lung injuries by 1H NMR spectroscopy. *Metabolomics*. 2015;11:166-174.
3. Poddar B, et al. Procalcitonin kinetics as prognostic marker in severe sepsis/septic shock. *Indian J Crit Care Med*. 2015;19(3):140-146.

## 2014

1. Azim A, et al. Impact of educational intervention on death certification errors from ICU. *J Anaesthesiol Clin Pharmacol*. 2014;30(1):78-81.
2. Singh RK, Ghatak T, Baronia AK. Three rare cases of co-infection with dengue, leptospira and hepatitis E. *Ann Med Health Sci Res*. 2014;4:32-34.

## 2013

1. Poddar B, et al. DVT and septic pulmonary emboli in MSSA infection. *Paediatr Int Child Health*. 2013;33(1):49-52.
2. Gurjar M, et al. Septic AKI in critically ill Indian patients. *Indian J Crit Care Med*. 2013;17(1):49-52.
3. Singh RK, et al. A case of extensive cardiac calcification. *Saudi J Anaesth*. 2013;7(2):220-222.
4. Poddar B, et al. Factors associated with outcome in acute liver failure in ICU. *Indian J Gastroenterol*. 2013;32(3):172-178.
5. Azim A, et al. Outcome of mechanical ventilation in Guillain-Barré syndrome. *Sahel Med J*. 2013;16(2):48-51.
6. Gurjar M, et al. Carbapenem-resistant Acinetobacter VAP: clinical characteristics and outcome. *Indian J Crit Care Med*. 2013;17(3):129-134.
7. Singh RK, et al. Intracranial haemorrhage in dengue-leptospirosis co-infection. *J Neurosci Rural Pract*. 2013;4:366-367.

8. Ghatak T, et al. Spontaneous central vein thrombosis in activated protein C resistance and dengue. *J Anaesthesiol Clin Pharmacol.* 2013;29:547-549.
9. Ghatak T, Singh RK, et al. Optimized US axis with marked introducer needle for IJV catheterization. *Ann Card Anaesth.* 2013;16(4):296-298.
10. Ghatak T, Singh RK, et al. Hemodynamically unstable AFib after oral contrast in Boerhaave's Syndrome. *Saudi J Anaesth.* 2013;7(4):479-480.
11. Azim A, et al. Vitamin D deficiency in critically ill patients and influence on outcome. *J Intensive Care.* 2013;1:14.
12. Azim A, et al. Deficits in Referral Notes During Inter-hospital Transfers. *Int J Periop Ultrasound Appl Tech.* 2013;2(2):89-91.

## 2012

1. Singh RK, et al. Intra-abdominal pressure at ICU admission: predictor of severity and mortality in SAP. *SAJCC.* 2012;28(1).
2. Singh RK, et al. Audit of patients with severe acute pancreatitis in ICU. *Indian J Gastroenterol.* 2012;31(5):243-252.
3. Saigal S, Singh RK, et al. Acute methotrexate toxicity presenting as MOF. *Indian J Crit Care Med.* 2012;16(4):225-227.
4. Singh RK, Baronia AK. Letter to editor — Authors' comment. *Thrombosis Research.* 2012;129(4):e119-125.
5. Saigal S, Singh RK, et al. Varicella zoster virus vasculopathy in adult. *J Clinic Case Reports.* 2012;2:3.
6. Ghatak T, Singh RK, et al. Enteral voriconazole-induced hypoglycemia. *Indian J Pharmacol.* 2012;44:138-139.
7. Ghatak T, Singh RK, et al. Non-occlusive mesenteric ischemia in young girl. *Indian J Crit Care Med.* 2012;16(1):28-30.
8. Azim A, et al. Severe dengue with massive pleural effusion requiring ICTD. *Am J Emerg Med.* 2012;30:389.e1-2.
9. Poddar B, et al. SOFA score and PT normalization as prognostic indices in non-APAP acute liver failure. *Indian J Gastroenterol.* 2012.
10. Gurjar M, et al. Carbapenem-resistant *Acinetobacter* VAP. *Indian J Crit Care Med.* 2012.
11. Gurjar M, et al. Encephalopathy due to tubercular otitis media. *Indian J Tuberculosis.* 2012;59:103-106.
12. Singh P, Poddar B, Singh RK. Management of massive pediatric cerebral infarct with mass effect. *Indian J Pediatr.* 2012;79:1658-1660.

## 2011

1. Singh RK, et al. Prospective comparison of JAAM DIC and ISTH DIC score in critically ill septic patients. *Thromb Res.* 2012;129(4):e119-125.
2. Singh RK, et al. Continuous hypertonic saline for acute liver failure. *Indian J Gastroenterol.* 2011;30(4):178-180.
3. Ghatak T, Singh RK, et al. Postoperative acute anisocoria and old TBI. *Indian J Anaesth.* 2011;55(6):611-613.
4. Gurjar M, et al. Clinical manifestations of co-infection with malaria and leptospirosis. *Trop Doct.* 2011;41:175-178.

## 2010

1. Singh RK, et al. Severe ovarian hyperstimulation syndrome leading to ICU admission. *Saudi J Anaesth.* 2010;4(1):35-37.
2. Gurjar M, et al. Collapse of left lung after intubation — is it always tube misplacement? *J Emerg Trauma Shock.* 2010;3:305.
3. Joshi MC, et al. Staphylococcal sepsis presenting with septic pulmonary embolism. *Indian J Pediatr.* 2010;77(7):801-802.
4. Sahoo JN, et al. Pandemic (H1N1) 2009 influenza: Experience from an ICU in India. *Indian J Crit Care Med.* 2010;14:156-159.
5. Azim A, et al. Epidemiology of bacterial colonization at ICU admission with ESBL and MBL producers. *J Med Microbiol.* 2010;59(8):955-960.
6. Azim A, et al. Safety and Cost-effectiveness of Acitrom for DVT Prophylaxis in Critically Ill. *J Anaesthesiol Clin Pharmacol.* 2010;26(3):360-362.

## 2009

1. Mayank D, et al. Nosocomial cross-transmission of *P. aeruginosa* in tertiary ICU. *Indian J Pathol Microbiol.* 2009;52(4):509-513.
2. Dwivedi M, et al. VAP caused by carbapenem-resistant Enterobacteriaceae with multiple MBL genes. *Indian J Pathol Microbiol.* 2009;52(3):339-342.
3. Azim A, et al. A simple intervention to reduce prolonged percutaneous tracheostomy complications. *Acta Anaesthesiol Scand.* 2009;53(4):550.
4. Azim A, et al. Peripartum cardiomyopathy: A case report. *Indian Anesthetist Forum.* 2009.

## 2008

1. Dwivedi M, et al. *Aeromonas caviae* septicemia in immunocompetent GI carriers. *Braz J Infect Dis.* 2008;12(6):547-548.
2. Joshi MC, et al. Guillain-Barré syndrome with absent brainstem reflexes. *Anaesth Intensive Care.* 2008;36(6):867-869.
3. Misra M, et al. Prevalence of rheumatic heart disease in school-going children of Eastern UP. *Indian Heart J.* 2007;59(1):42-43.
4. Singh RK, et al. Diphtheritic polyneuropathy — an entity not to be forgotten. *The Intensivist.* 2008.

## AWARDED PAPER PRESENTATIONS

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- 2nd Best Paper Award — "IAP at ICU Admission: Predictor of Mortality in SAP" — PACE 2011, Coimbatore

- Poster Presentation — 41st Critical Care Congress, Houston, Texas
- Poster Presentation — 9th World Congress of WINFOCUS, Hong Kong, 2013
- Oral Paper Presentation — EMCON-2015, Mumbai
- Poster Presentation — Canadian Critical Care Conference, Whistler, BC, Canada, 2015
- Poster Presentation — Annual Scientific Meeting, Kuala Lumpur, Malaysia, 2015
- **Best Poster Award — "Diaphragmatic Thickening Predicts Weaning" — 4th SG-ANZICS, Singapore, 2017**
- World Congress of Intensive Care, ANZICS, Melbourne, Australia, 2019

## CONTACT INFORMATION

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