

CURRICULUM VITAE

DR. MOHD. MUSTAHSIN MALIK

MOHD. MUSTAHSIN MALIK

(M.B.B.S., MD, EDIC, DM)

DESIGNATION: Consultant and Head of Critical Care Unit
American Heart Association Instructor for BLS & ACLS Course

PLACE OF WORK: Era's Lucknow Medical College & Hospital, Lucknow, U.P.

ISCCM MEMBERSHIP NUMBER: 17/M-857

D.O.B: 30-09-1982

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**ABOUT**

Enthusiastic full time Intensivist eager to contribute to team success through hard work, attention to detail and excellent organizational skills with 11 years and above experience in Critical Care Medicine. Clear understanding of Critical Care tasks and excellent patient management skills. Motivated to learn, grow and excel in Critical Care Medicine. Involved in teaching and training of residents, nurses and technicians.

WORK EXPERIENCE

CONSULTANT AND HEAD OF CRITICAL CARE

31-07-2020 TO PRESENT

Era's Lucknow Medical College & Hospital, Lucknow, U.P.

Full time Intensivist

SENIOR RESIDENT CRITICAL CARE MEDICINE

13-07-2017 to 31-07-2020

AllMS, New Delhi

Full time Intensivist

SPECIALIST ICU

04-08-2012 to 12-07-2017

The Royal Hospital, Muscat

Intensivist and Anesthesiologist

SENIOR RESIDENT

01-07-2011 to 15-07-2012

PGIMER, Chandigarh

Anesthesiologist & Intensivist

JUNIOR RESIDENT

01-07-2008 to 30-06-2011

PGIMER, Chandigarh

Anaesthesia and Intensive Care trainee

INTERNSHIP

31-12-2006 to 23-03-2008

EDUCATION

D.M.(CRITICAL CARE MEDICINE)

All India Institute of Medical Sciences, New Delhi

EUROPEAN DIPLOMA IN INTENSIVE CARE (EDIC)

2015

European Society of Intensive Care Medicine

M.D. (POSTGRADUATION in ANAESTHESIA)

2011

Postgraduate Institute of Medical Education and Research, Chandigarh

M.B.B.S.(GRADUATION)

2006

Aligarh Muslim University, Aligarh

PROJECTS

INTERNATIONAL PROJECTS:

1. Title: Relationship between implementation of evidence-based and supportive ICU care and outcomes of patients with acute respiratory distress syndrome (The ICU LIBERATION study).
Role: Principal Investigator

ICMR PROJECTS:

1. Title: To assess the rhythmic alteration of chronogenetic biomarkers as significant clinical factor in patients with Sepsis.
Role: Co-investigator

D.M. THESIS

Title: Prognostic Significance of Red Blood Cell transfusion trigger in critically ill patients of Sepsis and Septic Shock: A prospective Observational Study

Role : Principal Investigator

M.D. THESIS

Title: Effect of bevel position on success of intubation through Intubating Laryngeal Mask Airway.

Role : Principal Investigator

INTRAMURAL PROJECTS

1. Title: Efficacy of tocilizumab therapy in COVID Intensive Care Unit patients and its outcome.
Role: Principal Investigator

2. Title: Comparison of dexamethasone and methylprednisolone on outcome in COVID-19 patients: A retrospective study.
Role: Co-principal Investigator
3. Title: Prognostic evaluation of nutritional status in Hospitalized geriatric COVID-19 patients.
Role: Thesis Co-guide
4. Title: Effects of Parenterally Administered Trace Elements- Zinc, Copper, Selenium and Manganese in critically ill patients.
Role: Thesis Co-guide
5. Title: Prognostic evaluation of frailty index in hospitalized moderate to severe patients COVID-19 geriatric patients.
Role: Thesis Co-guide
6. Title: Use of albumin in critically ill COVID-19 patients: A retrospective cohort study.
Role: Thesis Co-guide
7. Title: Comparative analysis of novel biomarkers KIM-1, L-FABP and ALPHA GST in patients of incipient acute kidney injury.
Role: Thesis Co-guide
8. Title: A comparative study of optic nerve sheath diameter between patients with severe preeclampsia and normal pregnancy
Role: Thesis Co-guide
9. Title: Effect of music therapy on outcome in critically ill patients
Role: Thesis Co-guide
10. Title: "Comparison of intubating laryngeal mask airway and video laryngoscope during emergency intubation in critically ill patients "
Role: Principal Investigator
11. Title: comparison of effects of helmet non-invasive ventilation versus face mask non-invasive ventilation in patients with acute exacerbation of COPD.
Role: Principal Investigator
12. Phytochemical Investigation and anti-bacterial activity of Ficus Beghalensis in Community Acquired Pneumonia
Role: Co-Supervisor
13. Comparison of efficacy of metoclopramide with erythromycin and their combination in critically ill patients with feed intolerance, a prospective randomized open labelled clinical trial.
Role: Co-investigator
14. Video Laryngoscope Versus Macintosh Laryngoscope For Orotracheal Intubation In Critical Care Unit
Role: Thesis Co-Guide
15. Sonographic Evaluation of Diaphragmatic function in critically ill patients on non-invasive ventilation and invasive mechanical ventilation.
Role: Thesis Co-Guide

INNOVATIONS & PATENTS:

1. Innovated & applied for patent a video laryngoscope with oxygen delivery port for apnoeic oxygenation vide application number 202111027640
2. Innovated & published an affordable Levering Video laryngoscope for difficult airway management
3. Innovated and published an affordable video laryngoscope for low resource setting during COVID
4. Innovated and published a novel method of MDI delivery

ACHIEVEMENTS & AWARDS

- Got Young Scientist Award by Society of Precision Medicine and Intensive Care in 1st National Conference of Precision Medicine and Intensive Care (PMIC 2024) organised by Society of Precision Medicine and Intensive Care and Department of Critical Care Medicine, KGMU Lucknow on 9th Feb. 2024.
- Received Award from Deputy Chief Minister for Excellent contribution to health care in Uttar Pradesh Health Conclave organized by India News on 24th Dec. 2023.
- Received Chirag-e-Avadh Achiever's Award by the Minister of minority affairs organized by Daily Insider on 2nd October 2022.
- Involved in the direct care of more than 5000 critically ill COVID-19 patients as an in-charge
- Managed COVID-19 pandemic and as a head of critical care unit & achieved least ICU mortality among hospitals in Lucknow (Proof Attached)
- Internal Examiner of PDCC Critical Care Course at Era University in 2021 & 2023.
- Published more than 10 research papers on COVID-19 as a first or corresponding author
- Innovated and published many techniques and gadgets for use in critically ill patients
- In-charge of PDCC critical care programme at Era's Lucknow Medical College and Hospital
- In-charge of ECMO programme at Era's Lucknow Medical College and Hospital
- Probably the only intensivist in India performing Telebation (Telemedicine Guided intubations)
- Received Best paper award in International Conference 2014, held at Al-bustan palace, Oman
- Has 5 years of foreign experience in the best teaching hospital of Muscat, Oman as an intensivist
- Got Appreciation Certificate from Director General of Royal Hospital, Muscat, Oman in 2017.

RESEARCH PUBLICATIONS

1. Mustahsin M, Kaushik R. The levering video laryngoscope: An affordable alternative for difficult airway management. Indian J Anaesth 2022;66:S173-4.
2. Mustahsin M, Singh G, Choubey S. A novel method of metered-dose inhaler delivery in intubated COVID-19 patients. Saudi J Anaesth. 2022 Jan-Mar;16(1):127-128. doi: 10.4103/sja.sja_336_21. Epub 2022 Jan 4. PMID: 35261605
3. Mustahsin M, Sharma S, Dubey M, Choubey S, Fatima J, Singh G. Successful prolonged use of non-invasive ventilation in severe COVID-19 patients: a case series. Crit. Care Innov. 2021; 4(4): 34-44. DOI: 10.32114/CCI.2021.4.4.34.44.
4. Siddiqi Z, Fatima J, Bhatt D, Shukla V, Mustahsin M, Ashfaq A et al Prevalence of Comorbidities in Survivors and Non-Survivors of Severe COVID-19 at a Dedicated COVID Care Centre. Journal of The Association of Physicians of India ■ Vol. 70 ■ January 2022.
5. Mustahsin M, Singh G. Airway Management in Hypoxemic Patient using Modified Intubating Laryngeal Mask Airway Technique. J Clin of Diagn Res 2021; 15 (5) : UL01-UL02.
6. Mustahsin M, Choubey S, Malhotra V. COVID-19 patients in myasthenic crisis managed successfully with noninvasive positive pressure ventilation: a case series. Crit. Care Innov. 2021; 4(3): 27-32. DOI: 10.32114/CCI.2021.4.3.27.32.
7. Mustahsin M, Choubey S, Singh G, Dubey M, Khanduri S, Sharma R, Srivastava A. COVID-19 pneumonia in kyphoscoliosis: The success stories. Monaldi Arch Chest Dis. 2021 Sep 16;92(1). doi: 10.4081/monaldi.2021.1844. PMID: 34526726.
8. Mustahsin M, Bhoi D. Unusual pericuff leak around proseal-laryngeal mask airway corrected by clamping gastric drain port: A case report. Indian J Case Reports 2021;7(8):345-7.
9. Mustahsin M, Khan ZA, Singh G, Choubey S. A novel video laryngoscope for the use in hypoxemic COVID-19 patients: a case report. Crit. Care Innov. 2021; 4(2): 38-43. DOI: 10.32114/CCI.2021.4.2.38.43
10. Mustahsin M, Siddiqi Z, Mishra A, Singh G (2021) COVID-19 and Aplastic Anemia: Friend or Foe. Int J Blood Res Disord 8:064. doi.org/10.23937/2469-5696/1410064

11. Dubey M, Mustahsin M, Singh G. Miraculous recovery after severe coronavirus disease-19 in old age patient: A rare case Report. *Indian J Case Reports* 2021; 7(4):149-51.
12. Maddali MM, Thomas E, Malik MM. "Air embolism during fontan operation". *Ann Card Anaesth.* 2014 Jul-Sep;17(3):229-31. doi: 10.4103/0971-9784.135874. PMID: 24994734.
13. Mustahsin M, Srivastava A, Pal K, Singh P. Routine Use of Condom as an Ultrasound Probe Cover to Prevent Cross Infection in COVID-19 Intensive Care Unit. *Asian Journal of Research in Infectious Diseases*, 8(4), 104-106. <https://doi.org/10.9734/ajrid/2021/v8i430254>
14. Mustahsin M, Khan ZA, Choubey S. Telebation in COVID-19 intensive care unit: A way to save more lives. *J Anaesthesiol Clin Pharmacol.* 2022;38(Suppl 1):S147-S148. doi: 10.4103/joacp.joacp_319_21. Epub 2022 Jun 15. PMID: 36060177
15. Mustahsin, M., Podder, S., Yaddanapudi, L.N. and Bala, I., 2022. Bevel Position and Its Effect on Success of Intubation Through Intubating Laryngeal Mask Airway. *Sri Lankan Journal of Anaesthesiology*, 30(1), pp.20–24. DOI: <http://doi.org/10.4038/slja.v30i1.8781>
16. Mustahsin M, Srivastava A, Manchanda J, Kaushik R. Modified Technique of Percutaneous Tracheostomy Using Borescope Camera: A Case Series. *Indian J Crit Care Med.* 2022 Jul;26(7):881-883. doi: 10.5005/jp-journals-10071-24265. PMID: 36864857
17. Mustahsin M, Kaushik R. The leveringing video laryngoscope: An affordable alternative for difficult airway management. *Indian J Anaesth.* 2022 May;66(Suppl 3):S173-S174. doi: 10.4103/ija.ija_1044_21. Epub 2022 May 17. PMID: 35774234.
18. Rizvi ZH, Dubey M, Mustahsin M, Srivastava A. ARDS with septic shock managed successfully using a multidisciplinary approach: A case report. *Indian J Case Reports.* 2023; 9(5):146-149.
19. Mishra A, Mustahsin M. Evaluation of NUTRIC score for nutritional risk assessment and clinical outcome in critically ill COVID-19 patients: A retrospective observational study (Under Review)
20. Baidya DK, Mustahsin M, Maitra S, Anand R, Soneja M, Darlong V. Prognostic significance of red blood cell transfusion trigger in critically ill patients with sepsis or septic shock: A Prospective Observational Study. *Intensive Care Medicine Experimental* 2022, 10(2): 000434. DOI: 10.1186/s40635-022-00468-1
21. Mustahsin M, Maitra S, Baidya DK, Anand R, Soneja M, Darlong V. Transfusion trigger in critically ill with sepsis or septic shock: A Prospective Study *Indian J Med Res* 158;2023: 1-8
22. Verma M, Dubey M, Mustahsin M, Tripathi R. Use of Central Venous to- Arterial Carbon Dioxide Pressure Difference in Detection of Extubation Failure in Critically Ill Patients. *J Crit Intensive Care* 2023;14:71–77.
23. Agarwal R, Mustahsin M, Dubey M, Choubey S, Amir M. Effects of parenterally administered trace elements-zinc, copper, selenium, chromium and manganese in critically ill patients. *European Journal of Cardiovascular Medicine* 2023; 13(4): 1115-1123.
24. Kumar BM, Malik M, Kumar R. Impact of Albumin Therapy in Critically Ill COVID-19 Patients: A Retrospective Cohort Study *J Clin of Diagn Res.* 2024; 18(4):UC12-UC16. <https://www.doi.org/10.7860/JCDR/2024/68774/19236>

BOOK CHAPTERS

1. "Approach to a patient with altered consciousness presenting to ICU" in Critical Care Medicine: Bench to Bedside. Published by Jaypee Brothers April 2022
2. "Solithromycin and Nafithromycin: The New Macrolides" in a book named Contemporary topics in critical care medicine published by Jaypee Brothers Jan 2023. (ISBN:9789356960398)
3. "Hypertensive urgencies and emergencies" in a book named Decision Making in Critical Care Medicine published by Jaypee Brothers March 2023. (ISBN: 9789356961326)
4. "ST Elevation Myocardial Infarction" in a book named Decision Making in Critical Care Medicine published by Jaypee Brothers March 2023. (ISBN: 979356961326)
5. "Non-ST-Elevation Myocardial Infarction" in a book named Decision Making in Critical Care Medicine published by Jaypee Brothers March 2023. (ISBN: 979356961326)

ACADEMIC ACTIVITIES

- Participated as a Faculty in "Mechanical Ventilation" Workshop in 1st National Conference of Precision Medicine and Intensive Care (PMIC-2024) conference organised by Society of Precision Medicine and Intensive Care and Department of Critical Care Medicine, KGMU Lucknow on 9th Feb. 2024.
- Participated as a Faculty Speaker on "Ancillary therapy during mechanical ventilation" in 1st National Conference of Precision Medicine and Intensive Care (PMIC-2024) conference organised by Society of Precision Medicine and Intensive Care and Department of Critical Care Medicine, KGMU Lucknow on 8th Feb. 2024.
- Participated as a faculty in CME cum Workshop on "POCUS in ICU & Emergency " organized by Department of Critical Care Medicine KGMU, Lucknow on 1st and 2nd December 2023 at KGMU, Lucknow.
- Participated as Chairperson at CME cum Workshop on "Obstetric Critical Care" on 5th Nov 2023 organized by ISCCM Lucknow and department of Anaesthesiology and Critical Care held at Dr. RMLIMS, Lucknow.
- Participated as a faculty speaker on "Predictors of organ dysfunction" in 45th Annual Conference of Indian Society of Anaesthesiologists (UPISACON-2023) on 22-23rd sept. 2023 held at Kanpur, UP.
- Participated as a faculty in 3rd World Conference on Comprehensive Critical Care (W4C) & Bronchopulmonary World Congress (BWC) on 14th to 17th September 2023 held at Jaipur, Rajasthan
- Participated as a speaker on "Management of CRE infections" and in a panel discussion on "Treatment modalities in difficult to treat CRE infections" moderated by Dr. Yash Javeri and organized by Indian Sepsis forum on 9th sept. 2023 at Hotel Novotel Lucknow.
- Participated as a faculty in Mechanical Ventilation workshop organised by SATS Academy in association with ISCCM Lucknow Chapter on 13th August 2023 at Hilton Hotel, Lucknow.

- Presented as a speaker on “Pathophysiology and heterogeneity of ARDS and its clinical implications” held on 28th June 2023, organised by ISCCM Lucknow chapter at Vivekanand Polyclinic & IMS , Lucknow
- Participated as a faculty in the “Workshop on Blood Gas Analysis” held on 15th April 2023 organised by department of critical care medicine at KGMU, Lucknow.
- Participated as a speaker on “Intensive care of COPD patients” in YUVA MANTHAN held on 24th March 2023 organised by ISCCM, Lucknow.
- Participated in a panel discussion on “Treatment modalities in difficult to treat CRE infections” moderated by Dr. Yash Javeri held on 25th Jan at Hotel Novotel Lucknow.
- Participated as a speaker on “Ancillary Therapy During Mechanical Ventilation” in CME workshop on Mechanical Ventilation held on 2nd dec 2022 at KGMU, Lucknow
- Chaired sessions on “General Care of the patient, Sample collection in ICU and HIS documentation” in CME for nurses in Emergency and Critical Care held on 12th and 13th November at Era University organized by ISCCM Lucknow chapter.
- Participated as a faculty in AIIMS Critical Care Ultrasound CME cum Workshop held on 27th and 28th August 2022 at AIIMS, New Delhi.
- Participated as a speaker on “Antibiotic options in Carbapenem resistance” in mentor mentee meet in metros held on 26th June 2022 at Hotel Savvy Grand, Lucknow.
- As a speaker on “Total Parenteral Nutrition –Assessment & Delivery of Macronutrients” held at Hotel Fortune Park, Lucknow on 23rd Dec 2021 organized by ISCCM Lucknow Chapter.
- Chaired a session on “Optimising Nutrition” in CME for Nurses in emergency and critical care held at RMLIMS, Lucknow on 24th April 2022 organized by ISCCM Lucknow chapter.
- Chaired a session on “Sample Collection” in CME for Nurses in emergency and critical care held at RMLIMS, Lucknow on 24th April 2022 organized by ISCCM Lucknow chapter.
- Attended CME on “Enteral Nutrition” held at Hotel Marriott, Lucknow on 14th May 2022, organized by ISCCM Lucknow chapter.
- Actively involved in all Lucknow ISCCM activities.

ORGANISATION OF CONFERENCES AND WORKSHOPS

1. Organised American Heart Association accredited BLS-ACLS training programme as an organising secretary on 22-24 April 2024 at Era University.
2. Organized a BLS workshop and trained 500 students under Navbharat times mission “Sanjivini hai CPR” on 23rd Dec. 2023 at Lucknow Public School , Lucknow.
3. Organized a CPR Awareness programme and trained students under Navbharat times mission “Sanjivini hai CPR” on 12th Dec. 2023 at Brightland School Lucknow.
4. Organized a two day CME cum Workshop for Nurses in Emergency and Intensive Care (CNEIC-3) in association with ISCCM Lucknow chapter at Era University on 1st and 2nd October 2023 as an organising secretary.
5. Organised ICU- Bronchoscopy and Video laryngoscopy Workshop as an Organising Secretary at Era’s Lucknow Medical College, Lucknow on 23rd Nov 2022.
6. Organised a two day CME cum workshop for Nurses in Emergency in Emergency and Intensive Care (CNEIC-2) in association with ISCCM Lucknow Chapter as an Organising Secretary at Era University on 12th and 13th November 2022.
7. Organised BLS-ACLS program between 26-28th September 2022 and world heart day ceremony on 29th September 2022 at Era University as a Co-Organising secretary.

8. Organised Comprehensive Trauma Life Support Workshop at PGIMER, Chandigarh as a Co-Organising Secretary in 2010.

CONFERENCES & WORKSHOPS

- Participated in 29th annual Conference of Indian Society of Critical Care Medicine held from 24-26th February 2023 at Indore.
- Participated at CRITICON 2022 organised by Indian Society of Critical Care Medicine held at Varanasi
- Participated in NEPHROCON 2021 held on 9th to 10th October 2021
- Participated in 9th Annual Virtual Best of Brussel's Symposium On Intensive care and Emergency Medicine
- Attended a workshop on ECMO and RRT in 27th Annual conference of Indian Society of Critical Care Medicine held from 26th to 28th February 2021
- Attended 27th Annual Conference of Indian Society of Critical Care Medicine held from 26th to 28th February 2021
- Attended 5th Annual Conference on ECMO ASIA held at Gurugram in July 2019.
- Attended 7th APCC Critical Care Academy Conference held at Leela Palace, New Delhi in Nov. 2018.
- Mechanical Ventilation CME held at AIIMS, New Delhi in July 2018
- 5th Annual Conference of Critical Care Advances in the Millenium held at New Delhi in November 2017
- Second Workshop on Deceased Donor and Organ Transplantation held in December 2014 at Royal Hospital, Muscat
- Oman International Anaesthesia and Critical Care Conference held in November 2014 at Al-Bustan Palace Hotel, Muscat Oman.
- CME on Insight into Pain Management: An Update, held at PGIMER, Chandigarh in 2012.
- CME on "Selected Topics in Pain Management" held at PGIMER, Chandigarh in November 2011.
- Second National Conference of Association of Obstetric Anesthesiologists held at PGIMER, Chandigarh in September 2009.
- CME on "HIV/AIDS Prevention and Treatment Awareness" held on April 2007 at Aligarh by Indian Medical Association and NACO.

PAPER PRESENTATION

- "Intubating Laryngeal Mask Airway: An Alternative to Stabilizing Rod for PVC tracheal tube", presented as oral presentation in Oman International Anaesthesia and Critical Care Conference held at Muscat in 2014.
- "Aortic Valve Replacement in patient undergoing Mitral Valve Replacement Surgery" presented as an oral presentation in 4th peri-operative and Critical Care Transesophageal Echocardiography Workshop held at PGIMER, Chandigarh, India.

MEMBERSHIPS & CERTIFICATIONS

- Completed American Heart Association Instructor course for BLS & ACLS on 8th & 9th May 2024
- Completed AHA Accredited BLS-ACLS provider course held on 22-24 April 2024 at Era University.

- Active Life Member of Indian Society of Anaesthesiologists with membership number M3582
- Active life member of ISCCM Lucknow with membership number 17/M-857
- Active life member of Indian Medical Association with L.M. No. UP/16540/137/1268/270124/2021-22/L
- Certified and registered by the Medical Council of India, with registration number MCI/ 08-32672 dated 29th March, 2008.
- Certified and registered by Ministry of Health for practicing medicine in the Sultanate of Oman, with registration number 91932444 dated 09th July 2017.
- Completed the Certificate course on Research Methodology & Biostatistics from Postgraduate Institute of Medical Education and Research in April, 2009.
- Completed Comprehensive Trauma Life Support (CTLS) course held at Postgraduate Institute of Medical Education and Research, Chandigarh.

EDITORIAL BOARD

- Editor of Journal of Surgery (ISSN:2575-9760)
- Editorial board member of Critical Care Innovations (ISCCN: 2545-2533)
- Review Board Member of Acta Scientific Medical Sciences (ISSN: 2582-0931)
- Editorial Board member of Open Access Journal of Pulmonary & Respiratory Sciences (ISSN:2642-1143)
- Reviewer of many national and International Journals like BMJ Pulmonary Medicine, Hematology etc.
- Section Editor of Critical Care Perspective: from Theory to practice to be released in UP-CRITICON 2024.

USEFULL SKILLS

- Difficult Airway Management
- Nutrition Management in ICU
- Computer operations like Microsoft Office, including word processing, spreadsheets and presentations.
- Fluent in English, Hindi, Urdu and languages.

HOBBIES

- Listening to Music
- Adventure Tourism
- Photography
- Reading

REFERENCES

PROF. S.K. MALHOTRA

Professor and Ex- Head of the Department of Anaesthesia and

Intensive care, PGIMER Chandigarh, India

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DR. DALIM KUMAR BAIDYA

Additional Professor at Department of Anaesthesiology, Pain Medicine and Critical Care

AIIMS, New Delhi

Email: dalimkumar.ab8@gmail.com

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DR. SADANANDAN PRAKASH

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Royal Hospital, Muscat

Email: dr.prakash@hotmail.com

Phone: +96892167332

DECLARATION

I hereby declare that the above written particulars are true to the best of my knowledge and belief.