

Biosketch: Piyush Mathur MD,FCCM,FASA,FAMIA



Piyush Mathur MD,FCCM,FASA,FAMIA is a Staff Anesthesiologist and Critical Care physician at Cleveland Clinic, Ohio with more than 20 years of clinician experience. He served in the role of the Quality Improvement Officer and chair, compliance committee, Anesthesiology Institute, Cleveland Clinic between 2011- 2024 and has recently transitioned to lead innovation at the department. He completed his medical school training in India from Armed Forces Medical College (AFMC, Pune) followed by residency in Anesthesiology and fellowship in Critical Care from Cleveland Clinic. He subsequently completed a one year, quality fellowship at Cleveland Clinic and training in computer programming, machine learning and deep learning. He is the past program director of the anesthesiology critical care fellowship program at Cleveland Clinic.

He has led many of the quality and patient safety efforts locally and nationally including CLAB-SI reduction program, PSI-11 Respiratory failure reduction, standardization of policies, protocols and order sets, COVID preparedness, improving handoffs, PONV reduction and documentation improvement. He has innovated and successfully implemented many algorithms and tools in electronic health records such as difficult airway identification (EPIC), anesthesia awareness alert (DSS, Talis), antibiotic alert (ACG, Talis), automated patient safety event reporting (EPIC). A recognized leader in critical care, quality, education and artificial intelligence applications in healthcare, he has led many of the local and national programs including serving as the chair of post-graduate education committee, coding and documentation education committee of the Society of Critical Care Medicine (SCCM). He is currently a member of CPT editorial advisory committee, AMA (American Medical Association) and primary advisor, SCCM. He has focused his research on applications of artificial intelligence (AI) in healthcare to improve quality of patient care delivery for the last many years. He currently co-chairs the documentation and billing and the data science knowledge education groups (KEG) for SCCM.

He is the co-founder of BrainX, an AI in healthcare company focused on translational aspects of AI in healthcare. He has also co-founded one of the largest online group for machine learning in healthcare, BrainXCommunity. He is a recipient of numerous local and international awards including Institute of Healthcare Improvement (IHI) Permanente award and the prestigious Presi-

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dential citation from Society of Critical Care Medicine(SCCM).He has made numerous local, national, international presentations and publications in the fields of anesthesiology, critical care, quality, education and artificial intelligence applications in healthcare.