AI Horizons:
Revolutionizing Anesthesia, Critical Care, and Pain Medicine

Guest Editor

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This special issue (SI) delves into the revolutionary integration of Artificial Intelligence (AI) in the field of anesthesia, critical care, and pain medicine shedding light on groundbreaking advancements, challenges, and prospects. The collection of articles within this issue navigates through diverse topics, including AI-assisted patient monitoring, predictive analytics for outcomes, automation in drug delivery, automatic pain assessment, and the role of machine learning in personalized care. Therefore, the SI examines the potential of AI to enhance precision, efficiency, and safety in anesthesia, critical care, and pain practices. Additionally, the issue addresses ethical considerations, regulatory frameworks, and the human-AI collaboration paradigm, ensuring a holistic exploration of the implications of AI in anesthesia and related disciplines.

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