

11th International Conference on **Anesthesia and Pain Medicine**

July 20, 2026 | Webinar

Artificial Intelligence in Anesthesia Practice: Perspectives from Australia on Clinical Decision Support Systems**Michael Anderson**

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Background: Artificial Intelligence (AI) has emerged as a valuable tool in anesthesiology by assisting with perioperative monitoring, risk prediction, and clinical decision-making.

Objective: To evaluate awareness, acceptance, and utilization of AI technologies among anesthesia professionals in Australia.

Method: An online questionnaire-based survey was distributed to anesthesiologists and anesthesia trainees nationwide. Information regarding AI applications, benefits, challenges, and future expectations was collected and analyzed.

Result: Sixty-eight percent of participants reported familiarity

with AI-assisted monitoring systems. Nearly 73% believed AI could improve patient safety, while 64% supported integrating AI into routine perioperative practice.

Conclusion: Australian anesthesia professionals demonstrate positive attitudes toward AI-assisted healthcare. Appropriate training and clinical validation are essential for successful implementation.

Biography

Dr. Michael Anderson is a senior consultant anesthesiologist with interests in perioperative technology, artificial intelligence, and patient safety. He actively contributes to research aimed at integrating digital innovations into modern anesthesia practice.