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Ultrasound-Guided Regional Anesthesia: Clinical Adoption Among Anesthesiologists in Brazil

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Background: Ultrasound-guided regional anesthesia enhances procedural accuracy, minimizes complications, and improves postoperative analgesia in various surgical procedures.

Objective: To assess the utilization and perception of ultrasound-guided regional anesthesia among anesthesiologists in Brazil.

Method: A descriptive cross-sectional survey was conducted among practicing anesthesiologists from public and private healthcare institutions. Data regarding training, utilization, and perceived effectiveness were analyzed.

Result: Approximately 71% routinely performed ultrasound-

guided nerve blocks. Seventy-eight percent believed the technique improved patient safety, while 67% reported shorter postoperative recovery times.

Conclusion: Ultrasound-guided regional anesthesia is increasingly adopted in Brazil. Expanded education and improved equipment accessibility may further enhance patient outcomes.

Biography

Dr. Gabriel Oliveira is a consultant anesthesiologist with expertise in regional anesthesia and perioperative medicine. His research focuses on ultrasound-guided techniques, postoperative pain control, and improving patient safety through innovative clinical practice.