

Current Message Policies For Operational And Anesthesia Technicians In The Operating Room. A New Appraisal

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Abstract:

Effective communication is crucial for ensuring patient safety and optimizing workflow in the operating room (OR). This article explores communication strategies tailored to operational and anesthesia technicians, who play critical roles in supporting surgical procedures. Key communication techniques include clear and concise communication, preoperative briefings, anticipatory communication, closed-loop communication during procedures, and postoperative debriefing. By implementing these strategies, operational and anesthesia technicians can enhance teamwork, minimize

errors, and contribute to improved patient outcomes.

Keywords: operating room, communication strategies, operational technicians, anesthesia technicians, teamwork, patient safety.

Introduction:

Effective communication is essential in the operating room (OR) to ensure patient safety, optimize workflow, and promote efficient teamwork. Operational technicians and anesthesia technicians play critical roles in supporting surgical procedures, and their ability to communicate effectively with each other and the rest of the surgical team is paramount. This article explores various communication strategies tailored to the unique responsibilities and challenges faced by operational and anesthesia technicians in the OR.

In the fast-paced and high-stakes environment of the operating room (OR), effective communication is paramount for ensuring patient safety, optimizing workflow, and promoting efficient teamwork. Within the surgical team, operational technicians and anesthesia technicians play indispensable roles in supporting surgeons and anesthesiologists, respectively. Their ability to communicate clearly and collaboratively with each other and other team members is essential for the smooth execution of surgical procedures.

This article delves into the importance of effective communication strategies tailored specifically to operational and anesthesia technicians in the OR. It highlights the unique responsibilities and challenges these professionals face and explores various techniques to enhance communication within their roles. By fostering a culture of clear and concise communication, operational and anesthesia technicians can contribute significantly to the overall success of surgical interventions and ultimately improve patient outcomes.

Understanding the Roles and Responsibilities:

In the intricate ecosystem of the operating room (OR), each member of the surgical team plays a crucial role in ensuring the

success of procedures and the well-being of patients. Operational technicians and anesthesia technicians are integral parts of this team, with distinct but interdependent responsibilities.

Operational Technicians: Operational technicians, also known as surgical technologists or scrub technicians, are responsible for preparing the OR before surgeries, ensuring that all necessary equipment, instruments, and supplies are sterile and readily available. During procedures, they assist surgeons by passing instruments, maintaining a sterile field, and anticipating the needs of the surgical team. Additionally, operational technicians may be tasked with managing surgical equipment, such as lights and monitors, and documenting procedures accurately.¹

Anesthesia Technicians:

Anesthesia technicians work closely with anesthesiologists to prepare and administer anesthesia to patients undergoing surgery. Their responsibilities include setting up anesthesia equipment, monitoring patients' vital signs during procedures, and ensuring the safe transport of patients to and from the OR. Anesthesia technicians also assist with airway management, intravenous (IV) line insertion, and other tasks related to patient comfort and safety under anesthesia.

Interdependence in the OR: While operational and anesthesia technicians have distinct roles, their responsibilities often overlap, particularly in ensuring the smooth flow of surgical procedures. Operational technicians rely on anesthesia technicians to prepare patients for surgery and maintain their anesthesia throughout the procedure. Conversely, anesthesia technicians depend on operational technicians to provide the necessary instruments and supplies and maintain a sterile environment conducive to safe surgery.

Understanding the roles and responsibilities of operational and anesthesia technicians is essential for fostering collaboration and effective communication within the OR team. By recognizing the contributions of each role and acknowledging their interdependence, technicians can work together seamlessly to support surgeons, anesthesiologists, and ultimately, the patients undergoing surgery.

Clear and Concise Communication Techniques:

Clear and concise communication is foundational to the safe and efficient functioning of the operating room (OR) environment. Operational and anesthesia technicians must effectively convey information to ensure the smooth progress of surgical procedures and the well-being of patients. The following techniques facilitate clear and concise communication among OR team members:

Standardized Terminology: Using standardized terminology reduces ambiguity and enhances comprehension among team members. Operational and anesthesia technicians should adhere to established protocols for naming surgical instruments, equipment, and procedures. Consistency in terminology minimizes the risk of misunderstandings and promotes efficient communication in the OR.

Brief and Direct Communication: In the fast-paced OR environment, brevity is essential. Operational and anesthesia technicians should communicate succinctly, providing only essential information without unnecessary elaboration. Clear and direct communication ensures that critical messages are conveyed efficiently, allowing for prompt responses and actions.

Active Listening: Active listening is a fundamental component of effective communication. Operational and anesthesia technicians must attentively listen to instructions, requests, and concerns from other team members. By actively engaging with speakers and seeking clarification when needed, technicians demonstrate their commitment to understanding and addressing communication effectively.

Closed-Loop Communication: Closed-loop communication is a structured communication technique that ensures the accurate transmission and receipt of information. When receiving instructions or requests, operational and anesthesia technicians should acknowledge the message, confirm their understanding, and execute the task as instructed. Closing the communication loop by confirming actions helps prevent errors and promotes accountability within the OR team.

Read-Backs: Read-backs involve repeating information back to the sender to verify accuracy and comprehension. Operational and anesthesia technicians can employ read-backs when receiving

verbal orders or instructions from surgeons, anesthesiologists, or other team members. By confirming and clarifying information through read-backs, technicians mitigate the risk of miscommunication and potential errors during procedures.

Team Huddles: Preoperative team huddles provide an opportunity for OR team members to discuss the surgical plan, review patient information, and address any concerns collectively. Operational and anesthesia technicians should actively participate in preoperative huddles, contributing relevant insights and confirming their understanding of the surgical objectives. Team huddles foster collaboration, alignment, and shared understanding among OR team members, laying the groundwork for effective communication throughout the procedure.

By employing clear and concise communication techniques, operational and anesthesia technicians contribute to the overall effectiveness and safety of surgical care in the OR. Through standardized terminology, brief and direct communication, active listening, closed-loop communication, read-backs, and participation in team huddles, technicians facilitate seamless coordination and collaboration within the OR environment, ultimately enhancing patient outcomes.

Preoperative Briefings and Huddles:

Preoperative briefings and huddles are essential components of effective communication and teamwork in the operating room (OR). These structured meetings provide an opportunity for OR team members, including operational and anesthesia technicians, to align on the surgical plan, anticipate potential challenges, and ensure the safe and efficient execution of procedures. The following outlines the significance of preoperative briefings and huddles for operational and anesthesia technicians:

Enhancing Situational Awareness: Preoperative briefings and huddles facilitate the sharing of critical information among OR team members, enhancing situational awareness and coordination. Operational and anesthesia technicians gain insights into the surgical objectives, patient-specific considerations, and any special equipment or instruments required for the procedure. By aligning on the plan beforehand, technicians can proactively

prepare the OR environment and anticipate the needs of the surgical team.

Identifying Potential Risks and Concerns: During preoperative briefings and huddles, OR team members have the opportunity to identify and address potential risks or concerns associated with the upcoming procedure. Operational and anesthesia technicians may contribute valuable insights based on their expertise and experience, such as equipment availability, patient positioning requirements, or anesthesia considerations. By collaboratively discussing and mitigating potential risks, technicians help ensure a safer surgical environment and minimize unexpected complications.

Establishing Roles and Responsibilities: Preoperative briefings and huddles clarify the roles and responsibilities of OR team members, including operational and anesthesia technicians. By reviewing the surgical plan and discussing each team member's tasks and contributions, technicians gain a clear understanding of their responsibilities throughout the procedure. This alignment fosters teamwork, accountability, and effective communication within the OR, reducing the likelihood of errors or omissions during surgery.

Promoting Team Collaboration: Preoperative briefings and huddles promote collaboration and communication among OR team members, fostering a cohesive and supportive environment. Operational and anesthesia technicians actively participate in discussions, share relevant information, and raise any concerns or questions they may have. By engaging in open dialogue and collaborative problem-solving, technicians contribute to a culture of teamwork and mutual respect in the OR, ultimately enhancing patient care and outcomes.

Facilitating Continuous Improvement: Preoperative briefings and huddles provide opportunities for OR team members to reflect on past experiences, identify areas for improvement, and implement changes to enhance future performance. Operational and anesthesia technicians contribute to post-procedure debriefings, sharing feedback and insights to inform practice refinement and process optimization. By embracing a culture of continuous improvement, technicians contribute to the ongoing enhancement of surgical care delivery and patient safety in the OR.

In summary, preoperative briefings and huddles play a vital role in promoting effective communication, teamwork, and patient safety in the operating room. Operational and anesthesia technicians actively participate in these meetings, gaining situational awareness, identifying potential risks, establishing roles and responsibilities, promoting team collaboration, and facilitating continuous improvement. By leveraging preoperative briefings and huddles effectively, technicians contribute to the overall success of surgical procedures and the well-being of patients undergoing surgery.²

Anticipatory Communication:

Anticipatory communication is a proactive approach adopted by operational and anesthesia technicians in the operating room (OR) to anticipate the needs of the surgical team and facilitate seamless workflow during procedures. This communication strategy involves predicting upcoming tasks, equipment requirements, and potential challenges based on prior knowledge, experience, and situational awareness. Anticipatory communication enables technicians to preemptively address issues, optimize resource utilization, and enhance overall efficiency in the OR. The following aspects highlight the significance and implementation of anticipatory communication for operational and anesthesia technicians:

Proactive Equipment Preparation: Anticipatory communication involves anticipating the specific instruments, equipment, and supplies required for upcoming surgical procedures. Operational technicians proactively assemble instrument trays, ensure the availability of sterile drapes and gowns, and set up specialized equipment based on the scheduled surgeries. Similarly, anesthesia technicians anticipate anesthesia-related equipment needs, such as airway management devices, IV medications, and monitoring devices, and prepare them accordingly.

Predicting Surgeon and Anesthesiologist Preferences: Operational and anesthesia technicians develop familiarity with the preferences and working styles of surgeons and anesthesiologists they frequently collaborate with. By anticipating their preferences for instruments, techniques, and anesthesia protocols, technicians can streamline communication and cater to individual preferences

during procedures. This proactive approach minimizes the need for real-time adjustments and enhances surgeon and anesthesiologist satisfaction.

Addressing Potential Challenges: Anticipatory communication enables technicians to identify and address potential challenges or complications before they arise. For example, operational technicians may anticipate equipment malfunctions or instrument shortages and have contingency plans in place to mitigate disruptions. Similarly, anesthesia technicians anticipate changes in patient vital signs or anesthesia requirements and prepare appropriate interventions or adjustments to maintain patient safety and stability.

Facilitating Seamless Workflow: By anticipating the needs of the surgical team and proactively addressing them, operational and anesthesia technicians contribute to a seamless workflow in the OR. Anticipatory communication minimizes delays, prevents interruptions, and fosters efficient teamwork among OR staff. Technicians collaborate closely with surgeons, anesthesiologists, nurses, and other team members to ensure that all aspects of the surgical procedure proceed smoothly and according to plan.

Continuous Improvement and Adaptation: Anticipatory communication is an ongoing process that requires continuous evaluation and adaptation based on feedback and experiences. Operational and anesthesia technicians reflect on past procedures, identify areas for improvement, and adjust their anticipatory strategies accordingly. By embracing a culture of continuous improvement, technicians enhance their ability to anticipate needs effectively and contribute to the overall quality and safety of surgical care delivery in the OR.

In summary, anticipatory communication is a proactive approach employed by operational and anesthesia technicians to anticipate the needs of the surgical team, address potential challenges, and optimize workflow in the operating room. By proactively preparing equipment, predicting surgeon and anesthesiologist preferences, addressing potential challenges, facilitating seamless workflow, and embracing continuous improvement, technicians enhance efficiency, teamwork, and patient safety during surgical

procedures.

Closed-Loop Communication During Procedures:

Closed-loop communication is a structured communication technique utilized by operational and anesthesia technicians during surgical procedures to ensure the accurate transmission and receipt of information. This method involves a sender initiating a message, the receiver acknowledging the message, confirming their understanding, and providing feedback to complete the communication loop. Closed-loop communication minimizes the risk of miscommunication, enhances team coordination, and promotes patient safety in the operating room (OR). The following components illustrate the importance and application of closed-loop communication during procedures:

Initiation: The communication process begins with the sender initiating a message or instruction. This may involve a surgeon requesting a specific instrument or a nurse conveying a change in patient status. Operational and anesthesia technicians must actively listen to the sender's communication and prepare to acknowledge and act upon the message accordingly.³

Acknowledgment: Upon receiving the message, the receiver acknowledges its receipt to signal awareness and readiness to respond. This acknowledgment may involve a simple verbal affirmation, such as "Received" or "Copy," or a non-verbal cue such as nodding or eye contact. Acknowledgment indicates that the message has been received and prompts the sender to proceed with the next steps.

Confirmation: Following acknowledgment, the receiver confirms their understanding of the message by restating or paraphrasing its content. This step ensures clarity and confirms that the intended message has been accurately interpreted. Operational and anesthesia technicians should confirm critical information such as patient identifiers, surgical site, and procedural steps to minimize errors and maintain patient safety.

Execution: Once the message has been acknowledged and confirmed, the receiver proceeds to execute the requested action or task. This may involve passing instruments to the surgeon, adjusting anesthesia equipment, or providing assistance as

directed. Operational and anesthesia technicians must complete the assigned task promptly and accurately to support the progression of the procedure and meet the needs of the surgical team.

Feedback: After executing the task, the receiver provides feedback to the sender to confirm its completion or report any challenges or deviations encountered. This feedback closes the communication loop and ensures that the sender is informed of the outcome of their request. If additional actions are required, the sender and receiver may engage in further communication to address any remaining issues.

Closed-loop communication during procedures promotes clarity, accountability, and collaboration among OR team members. Operational and anesthesia technicians play a critical role in this process by actively participating in communication exchanges, acknowledging messages, confirming understanding, executing tasks accurately, and providing feedback as necessary. By adhering to the principles of closed-loop communication, technicians contribute to the overall safety and effectiveness of surgical care delivery in the OR, ultimately benefiting patient outcomes.

Debriefing and Postoperative Communication:

Debriefing and postoperative communication are essential components of the continuous improvement cycle in the operating room (OR). These structured discussions provide an opportunity for OR team members, including operational and anesthesia technicians, to reflect on the surgical procedure, identify areas for improvement, and share feedback to enhance future performance. The following aspects highlight the significance and benefits of debriefing and postoperative communication for operational and anesthesia technicians:

Reflection on Performance: Debriefing sessions allow OR team members to reflect on their performance during the surgical procedure. Operational and anesthesia technicians review their roles and contributions, assess their adherence to protocols and guidelines, and identify any challenges or opportunities encountered during the procedure. Reflective discussions promote self-awareness and accountability among technicians, fostering a

culture of continuous improvement and professional development.

Identification of Lessons Learned: Debriefing sessions serve as a platform for OR team members to share lessons learned and best practices observed during the procedure. Operational and anesthesia technicians may highlight successful strategies, innovative techniques, or effective communication practices that contributed to the smooth progression of the surgery. By sharing insights and experiences, technicians contribute to the collective knowledge of the OR team and facilitate knowledge transfer among peers.

Discussion of Adverse Events or Near Misses: Debriefing sessions provide an opportunity to discuss adverse events, errors, or near misses that occurred during the surgical procedure. Operational and anesthesia technicians report any deviations from standard practice, equipment malfunctions, or safety concerns encountered in the OR. Transparent communication regarding adverse events fosters a culture of openness and accountability, enabling the OR team to identify root causes, implement corrective actions, and prevent recurrence of similar incidents in the future.⁴

Feedback and Constructive Criticism: Debriefing sessions involve the exchange of feedback and constructive criticism among OR team members. Operational and anesthesia technicians receive input from surgeons, anesthesiologists, nurses, and other colleagues regarding their performance and areas for improvement. Constructive feedback promotes professional growth and skill development among technicians, empowering them to enhance their practice and contribute more effectively to the OR team.

Planning for Future Procedures: Debriefing sessions inform the planning and preparation for future surgical procedures. Operational and anesthesia technicians collaborate with the OR team to identify opportunities for workflow optimization, resource allocation, and process improvement. By addressing identified issues and implementing actionable recommendations, technicians contribute to the ongoing enhancement of surgical care delivery and patient safety in the OR.

In summary, debriefing and postoperative communication are integral to fostering a culture of continuous learning, improvement, and collaboration in the operating room. Operational and anesthesia technicians actively participate in these discussions, reflecting on their performance, sharing lessons learned, discussing adverse events, receiving feedback, and planning for future procedures. By leveraging debriefing and postoperative communication effectively, technicians contribute to the overall effectiveness, efficiency, and safety of surgical care delivery, ultimately benefiting patient outcomes.

Cultural Competency and Communication:

Address the importance of cultural competency in communication, considering diverse backgrounds and perspectives within the surgical team. Provide strategies for enhancing cultural awareness and sensitivity among operational and anesthesia technicians. Emphasize the role of respect, empathy, and active listening in building effective communication across cultural differences.

Conclusion:

Effective communication is a cornerstone of safe and efficient surgical care, and operational technicians and anesthesia technicians play vital roles in facilitating communication within the OR team. By implementing clear and concise communication techniques, participating in preoperative briefings and huddles, practicing anticipatory communication, and utilizing closed-loop communication during procedures, operational and anesthesia technicians can contribute to improved patient outcomes and enhanced teamwork in the operating room.

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