Implementation of a Virtual Simulation-based Teamwork Training Program for Emergency Events in the Perioperative Setting

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WHAT WE LEARNED

Members of an inter-professional perioperative team were able to implement the tools represented within the TeamSTEPPS® framework and improve communication and teamwork during emergency clinical events.

PURPOSE

Improve communication and optimize teamwork during emergency events by utilizing the tools represented within the AHRQ’s TeamSTEPPS® platform

PROGRAM DESIGN

- **Pre-Brief:** Session Orientation (TeamSTEPPS®); Learning Objectives
- **Simulation Video:** Concise one-hour virtual session
  - Interactive (Zoom Meeting)
  - Highlight teachable moments
- **Debrief:** Maximize individual participation; Group discussion; Communication skills practice
- **Summation:** Takeaway points

PARTICIPANTS

All-Inclusive Perioperative Team
- Perioperative Nursing
- Anesthesia Faculty
- Anesthesia Residents
- Certified Nursing Assistants
- Surgical Residents

BACKGROUND

- Poor communication leads to adverse clinical events/sentinel events
- “Communication openness” identified as below the benchmark on a AHRQ survey
- Strategic plan to improve communication & teamwork during emergency events

POST-SIMULATION SURVEY

80 Responses: All Disciplines Represented
Administered one week & 6 months after session

CONCLUSIONS

Opportunities for Improved Communication based on:
- Shared Goals
- Mutual Respect
- Shared Knowledge

Observed utilization in emergency events & daily practice
Future: Implement throughout the organization