



Among SRNAs at UPenn, will an interactive simulation-based education training improve SRNA knowledge of operating room (OR) fire risk assessment and management?



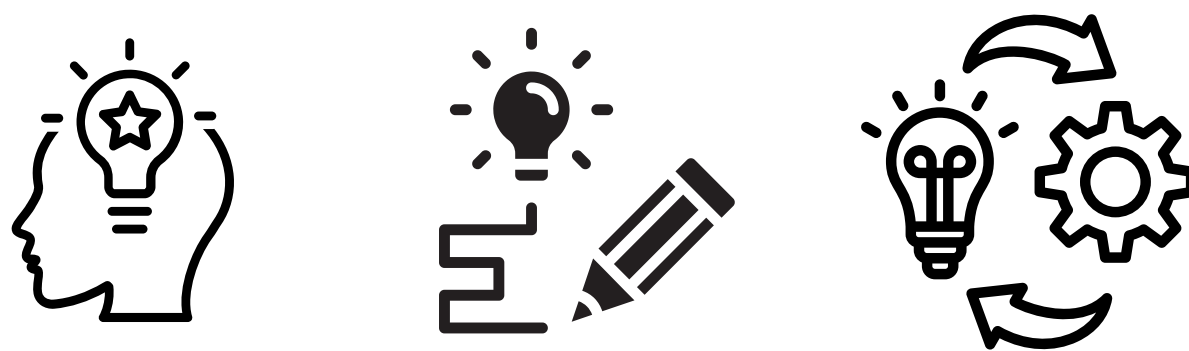
Participants:

Practicing Student Registered Nurse Anesthetists (n=15) (39% of SRNAs practicing at the hospital)
-Included first, second, and third year students

Setting:

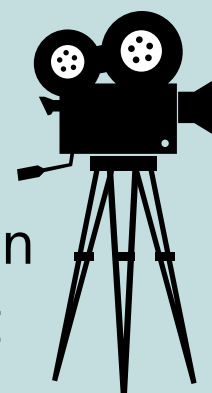
Single Hospital:
Non-profit

- Serves the Philadelphia area
- Up to 200 surgical cases per day



Intervention:

Simulation video recording/development and incorporated into an education module made by the project leads



Primary Outcome:

The anesthesia providers' knowledge of OR fire preparedness, specifically risk mitigation and OR fire management.

Findings

- The students demonstrated adequate baseline knowledge, overall mean scores did not change when comparing pre- and post-test. Combined mean scores: pre-test 88.8%, post-test 88.5%.
- Knowledge in specific topic areas improved: communication, fire risk levels, oxidizer, ignition sources, and proper steps to respond to an active surgical fire.
- A qualitative analysis demonstrated the participants agreed the module helped them better understand the topic and clarified roles in the event of an OR fire.

