

Robotic Surgical Cases: Advancing the Scrub Personnel's Scope of Practice

Rena P. Hopkins, MSN, APRN, CNS-BC, CNOR & Amber Kratochvil, MSN, RN, CNOR

UChicago Medicine, Chicago, IL



AT THE FOREFRONT
**UChicago
Medicine**



ASSESSMENTS

The scrub personnel robotic skills were not conforming to the clinical needs of the robotic surgical cases and the surgical providers, who forward this expansion of skills request to the OR leadership team. The expanded robot skills did not match the current scrub personnel's scope of practice listed in the UChicago Perioperative Robotic Guidelines.

DESCRIPTION OF THE TEAM

An interdisciplinary team which included perioperative leadership, robot surgical providers, perioperative clinical nurse specialist and operating room staff was formed to review the proposed expansion of the intraoperative scrub personnel (scrub nurse and technician) robotic scope of practice and skills. The interdisciplinary team performed a review and gap analysis of current AST guidelines, AORN guidelines, review of Robot literature, and list serve query and responses of robot scope of practice among other USA academic medical centres.

The results of the robot skills gap analysis were reviewed with the interdisciplinary team.

Handout and Reference List



PLANNING & PREPARATION

- The results of the robot skills gap analysis and academic medical center list serve responses were reviewed with the interdisciplinary team to develop an updated robotic guidelines to include the recommended expanded scope of practice which was approved by the Perioperative leadership and Surgical directors.
- The expanded advance Scope of Practice Robot Skills for the Scrub personnel were:
 - Introduced, passing and retrieving of surgical items (needles, suture, mesh, sponge counted items, penrose drain) through a trocar.
 - Insertion of Suction and irrigation
 - Laparoscopic Specimen bags introduce through the trocar.
 - Introduce and deploy hemostatic agents
- * All items/medications were introduced and retrieved under the direct visualization, direction, and placement of the surgical provider.
- Robot training checklist was updated with the expansion of skills to prepare for the training of the Robot scrub personnel.
- The perioperative leadership and OR Clinical Nurse Education (CNE) team developed a plan to perform training over a 4-6 weeks at a pre-determined timeframe.
- The expansive robotic scope of practice would be incorporated into the initial robot training class.

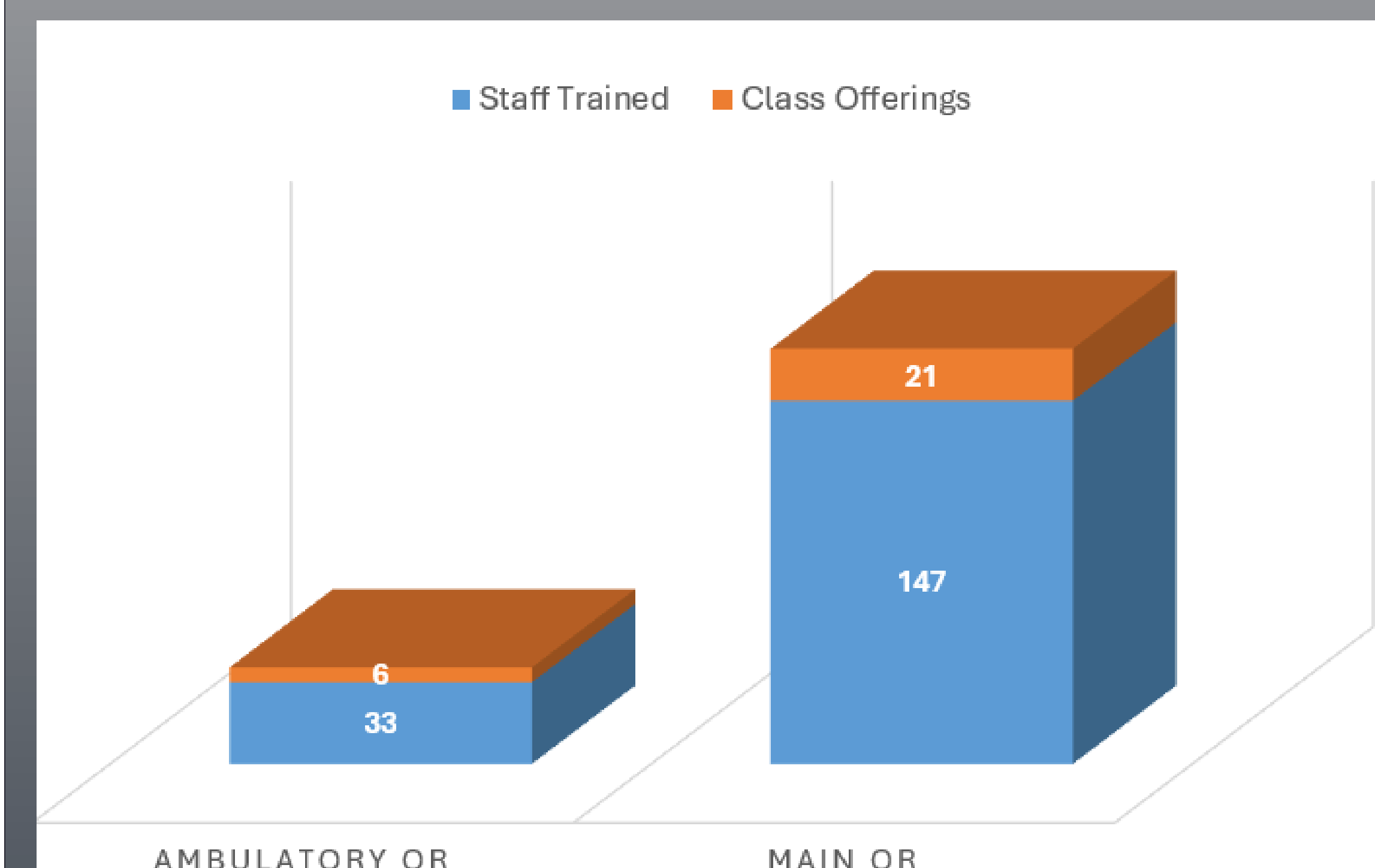
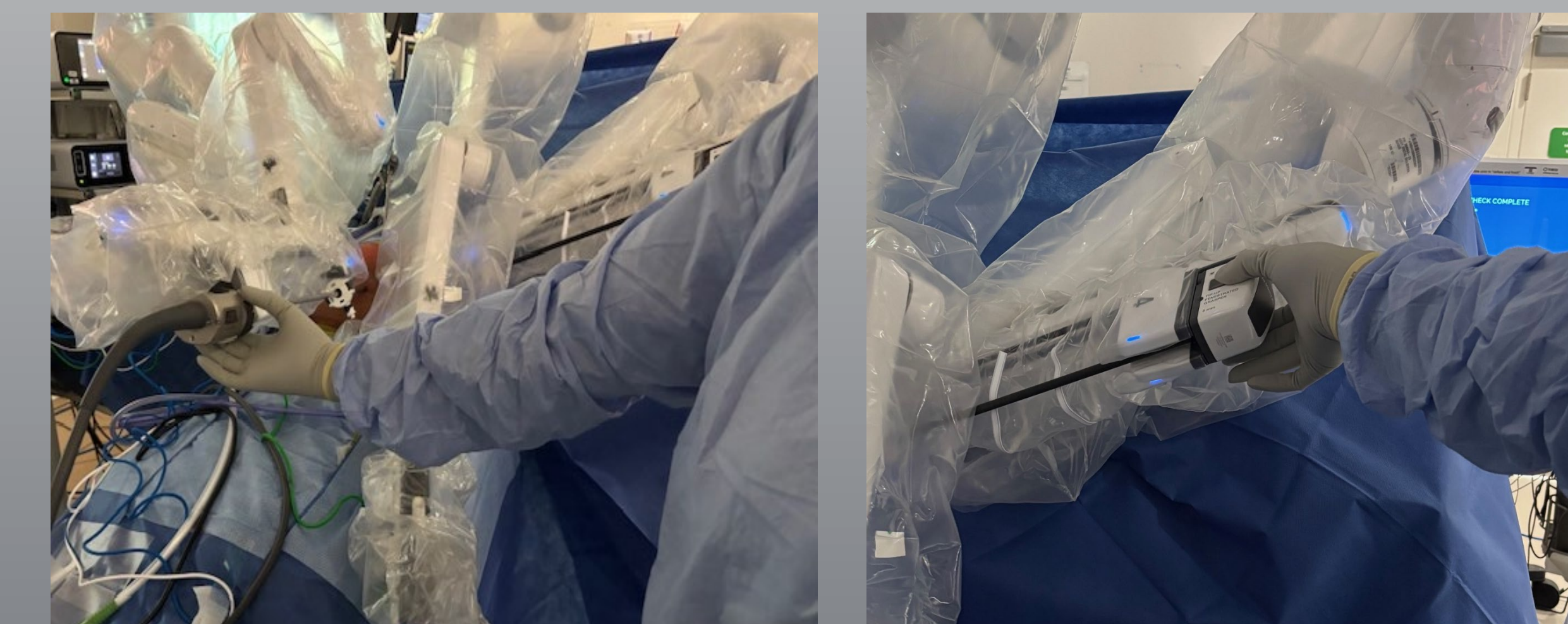
IMPLEMENTATION

- The CNEs with assistance from the surgical provider team scheduled the hands-on training with the speciality service robot scrub personnel.
- The Robot Steering committee surgical provider members and designated surgical assistants provided the hands-on training for the scrub personnel.
- The robot guidelines with the expanded advance scope of practice robot skills were reviewed with the scrub personnel and assimilated to the Robot surgical providers. This ensured there would be consistent communication across all robotic surgical specialties.

OUTCOMES

The robotic scrub personnel completed the hands-on training to expand their robot skills scope of practice. This expansion robotic skills conveyed more consistent standard of practice across robot surgical specialties.

The Robotic scrub personnel were provided education and hands-on training of the expanded robotic skills. The scrub personnel was provided an inservice to update them on the newly revised robot guidelines to ensure the practice within the expanded scope of practice approved by the perioperative leadership.



IMPLICATIONS FOR PERIOPERATIVE NURSING

Updating the Robot guidelines and ensuring the scrub personnel skills corresponded with the perceived need of the robot surgical providers and enhance the safety of the patient during a robotic surgical case.

Acknowledgements: Thank you to the Clinical Nurse Educators: John Gregorie, Zoe Smith, Anya Dyachenko, Simona Fischer, and Karen Keller; Raynette Pucik-Maisura, Executive Director Health System Clinical Perioperative and Procedural Services, Associate Chief Nursing Officer; Robotic Surgical Providers; and the nursing staff for their contribution to the success of this scope of practice change.