

Organ Procurement Perioperative Education: Reinforcing Competencies and Alleviating Anxiety Among Team Members

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Background

The perioperative team consisting of the registered nurse, certified surgical technologist, and perioperative nursing assistants, work collaboratively to ensure high-quality and safe patient care. During organ procurement procedures, the perioperative team was observed often feeling vulnerable due to the false assumption that organ procurements are similar to laparotomies combined with a lack of comprehensive perioperative-specific organ procurement training. A standardized education that is easily accessible and in a convenient format needs to be provided to registered nurses and surgical technologists on an ongoing basis for organ procurement procedures (Ross, Reilly, Halla, & Anderson, 2020).

Purpose

To increase the perioperative teams' competencies and comfortability with these low-frequency procedures through the implementation of organ procurement educational interventions and resources.

Methods

- Through personal experience and a needs assessment of the perioperative staffs' knowledge, skills, and experience, the findings indicated a need for perioperative-specific organ procurement education and resources.
- An educational seminar was developed to assist in meeting the needs of the staff knowledge and skills gap related to these procedures to decrease staff anxiety, as well as increase their perceived competencies.
- An educational seminar was deployed in person and offered virtually.
- A physical resource binder was developed to be readily available on the unit as a reference to guide and support the staff throughout organ procurement procedures.
- A written questionnaire based on the roles, skills, tasks, and knowledge of organ procurement procedures was deployed after the educational seminar to assess the registered nurses' and certified surgical technicians' confidence and perceived competency for these procedures.

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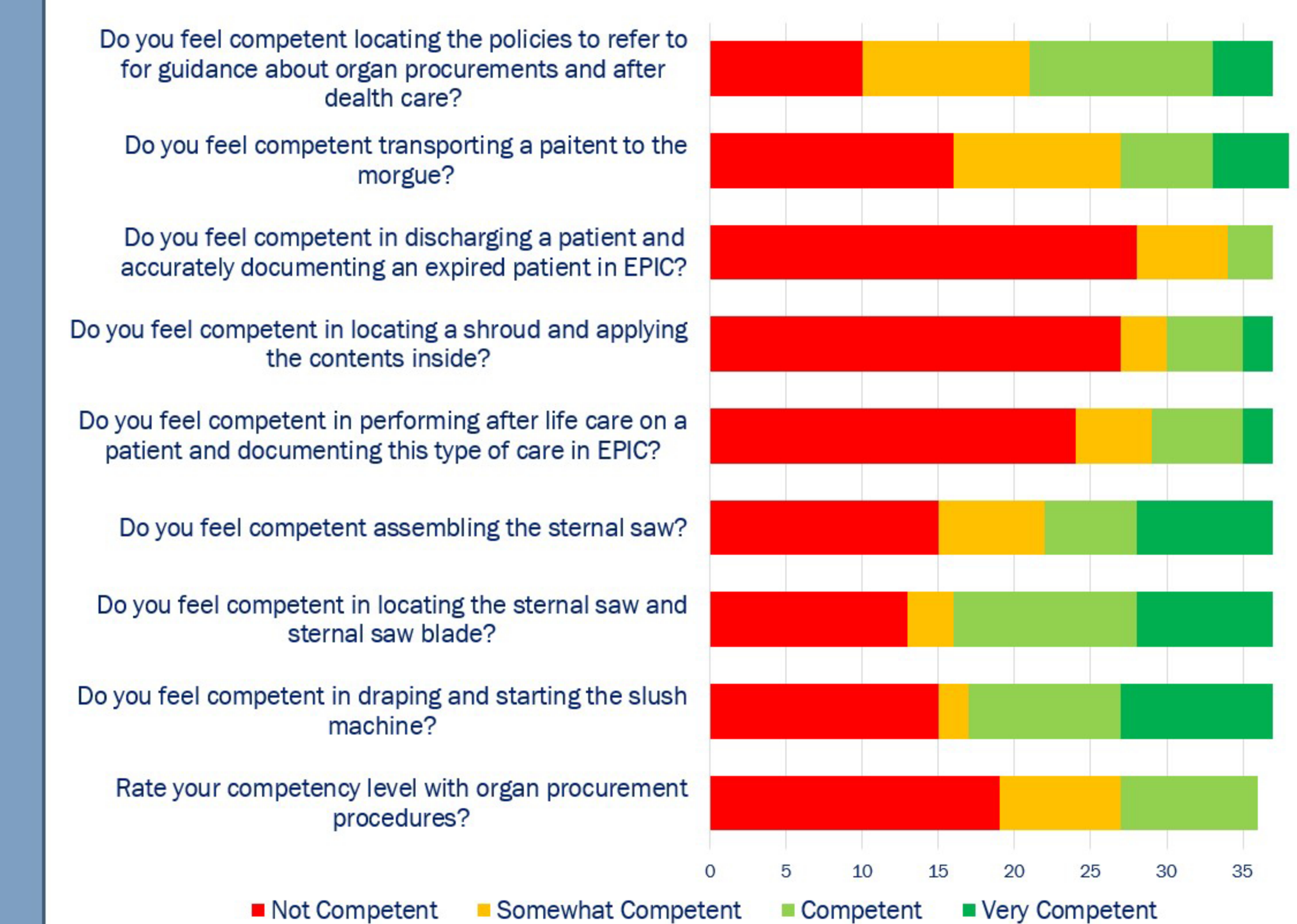
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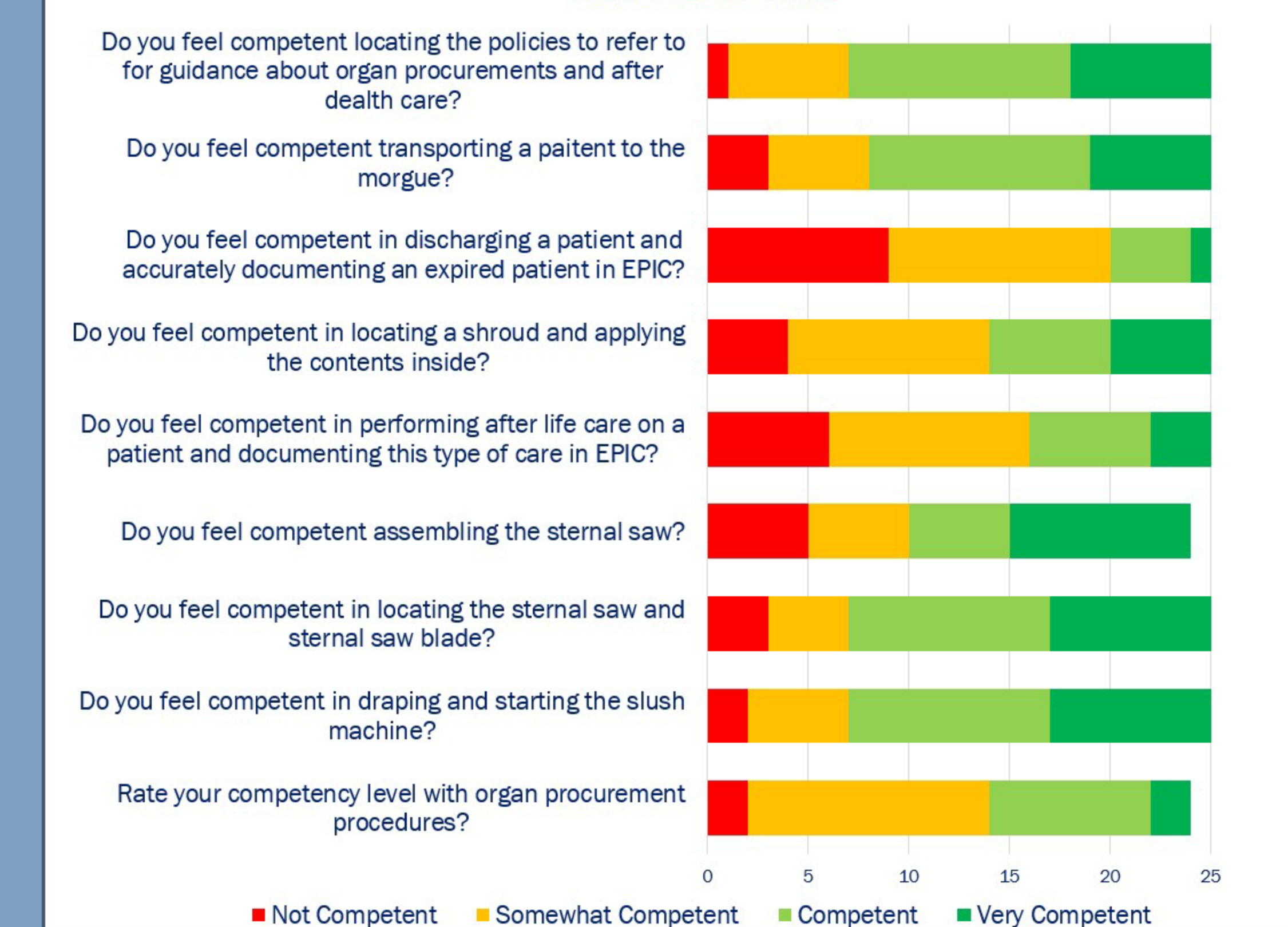
Results

- T-Test results are 0.006555, a statically significant difference, in our pre and post surveys among operating room personnel perceived competencies, education, and comfort level.
- There was a 12.3% increase in the staffs' ability to gather and utilize the necessary supplies and equipment for organ procurement procedures.
- There was a 9.8% increase in staffs' perceived comfortability following education and utilization of the resource binder.
- There was an 8.5% overall increase in staffs' skills, knowledge, and comfortability with organ procurement procedures.

Pre-Education Data



Post-Education Data



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Future Recommendations

- Continue offering organ procurement educational seminars every quarter to continue to support the staff's competency and comfortability
- Update the perioperative organ procurement resource binder on a bi-annual basis as departmental processes and policies change.
- Include the educational offering in the new employee and new graduate orientation regimen for the operating room.
- Develop a live digital version of the resource binder to make it more accessible in real time