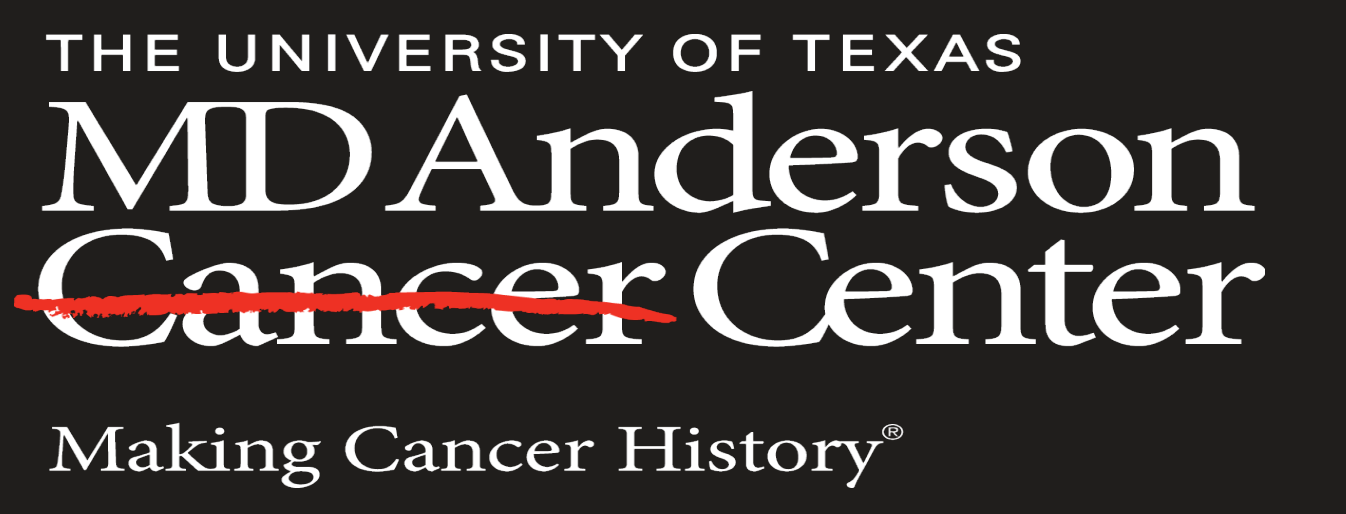


Advanced Practice Provider Journal Club

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APRN Rising Stars

Background

The history of journal clubs dates back over 200 years when William Osler initiated a journal club at McGill University in Montreal in 1875.

Osler advocated for collaborative reading and discussion of subscription journals due to the high cost of printed periodicals at that time.

The purpose of initiating the Journal Club is to create an opportunity for Advance Practice Providers (APPs) to become familiar with the research process by reviewing the medical literature and developing skills to appraise and synthesize research studies to help improve clinical practice.

PICOT Question

In the APP population at MD Anderson Cancer Center (P), how effective is a monthly journal club (I) compared to no journal club (C), for increasing skills in how to search, read, and analyze journals to increase evidence-based research knowledge (O) over a four-month period (T)?

AIM Statement

Improve the knowledge and skills of critiquing healthcare-based journal articles by 10% post implementation of a virtual monthly journal club among APPs from Stem Cell Transplant, Cardiothoracic surgery and Neurosurgery departments by July 2023.

Literature Review Findings

- A systematic review of journal clubs for nurses. *Worldviews on Evidence-Based Nursing*

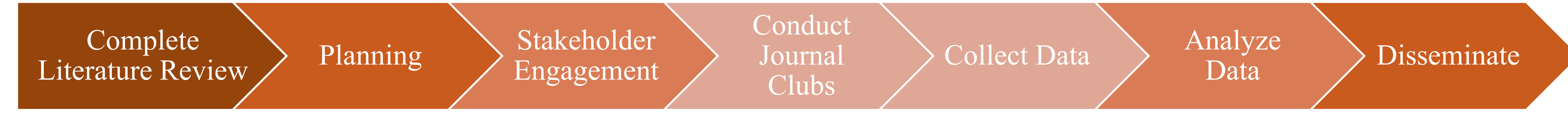
 - Lack of evidence for journal club impact on evidenced-based nursing (EBN) implementation
- Exploring the impact of journal clubs: A systematic review. *Nurse Education Today*

 - Work-based journal clubs as cost effective tools for enhancing practitioner capability
- Providing an online nursing journal club and ensuring the rigor of the experience. *AWHONN*

 - Journal clubs helped nurses increase familiarity with research and increased ability to critique studies
- The evolution of the journal club: from Osler to Twitter. *American Journal of Kidney Diseases*

 - Journal clubs using new online tools are helping to foster increased learning and critical appraisal of articles
- Promoting evidence-based nursing through journal clubs: An integrative review. *Journal of Research in Nursing*

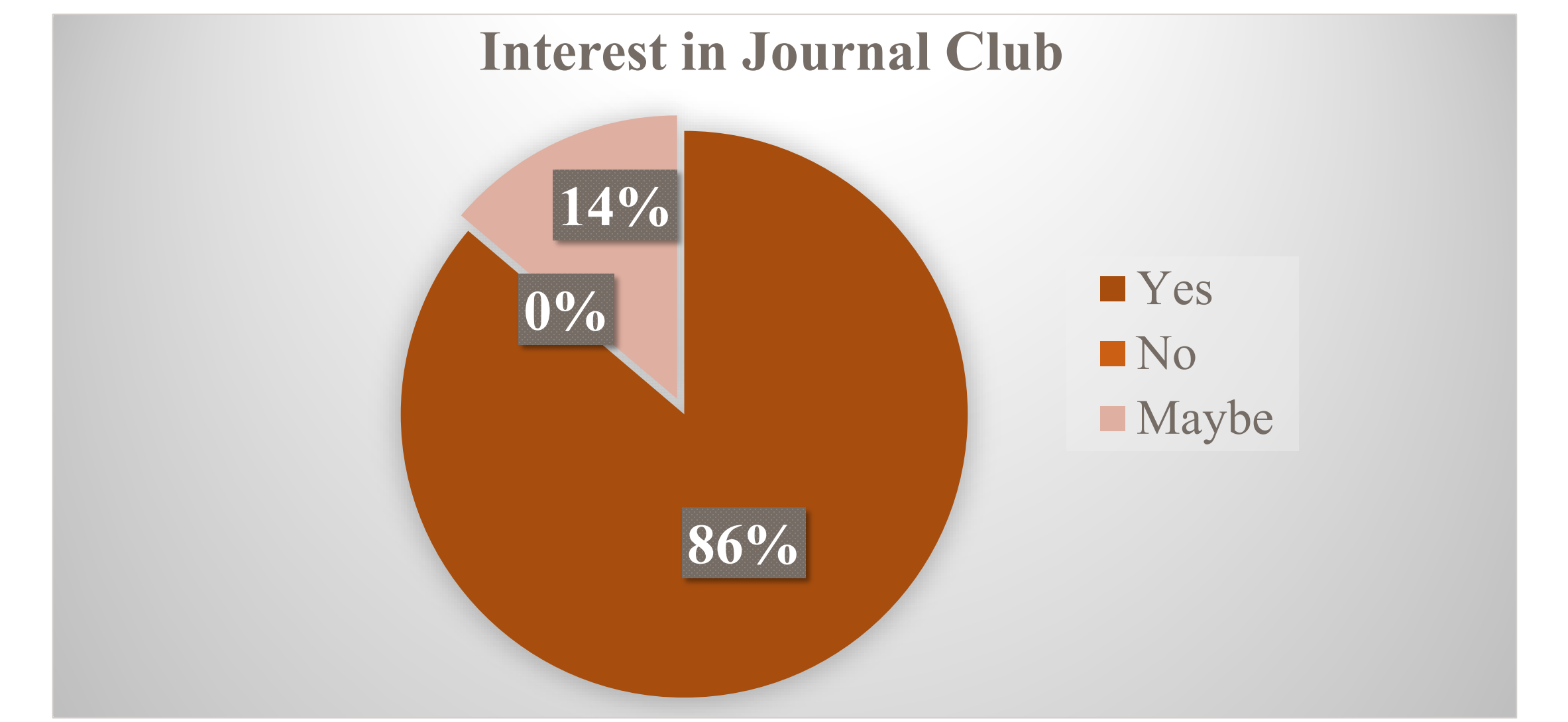
 - Nursing journal clubs developed skills in the study and critical evaluation of articles



- #### Planning
- Determine population
 - Compose SMART AIM
 - Develop outcome measures
 - Create tools for outcome measures
 - Select critical appraisal tool
 - Needs assessment
 - Create advertisement
 - Stakeholder collaboration

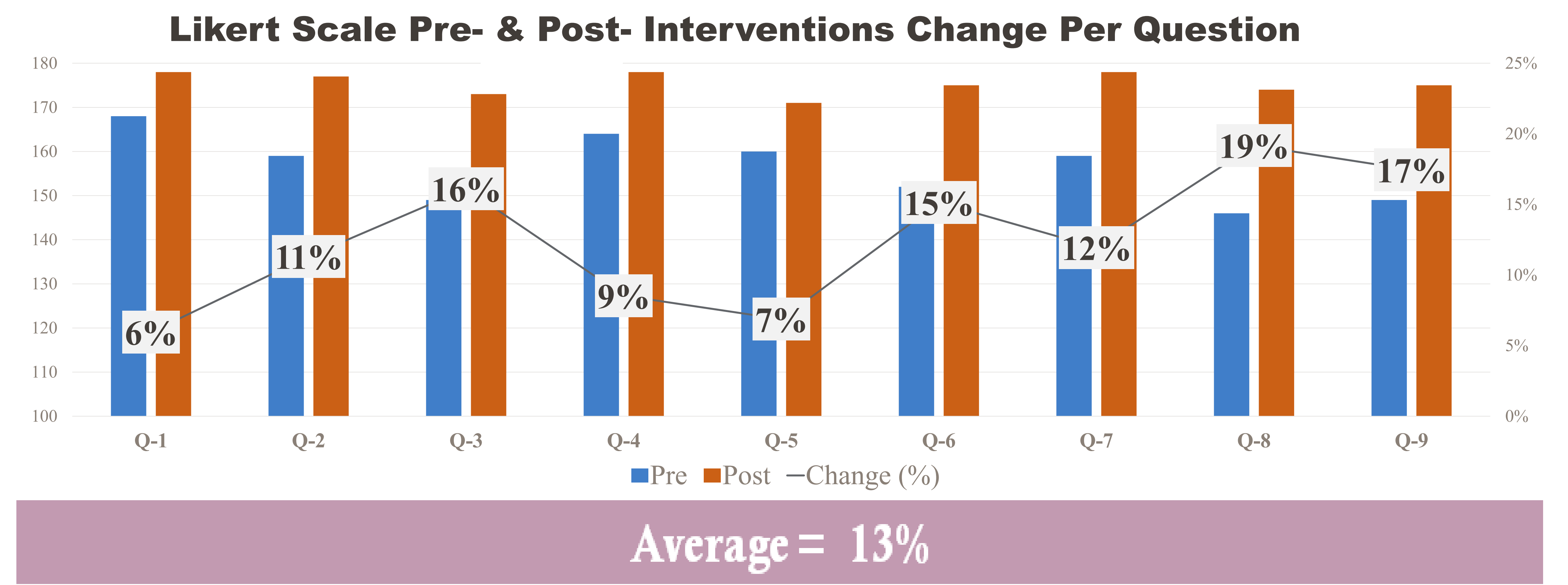
- #### Intervention
- APPs (Neurosurgery, Stem Cell, & Thoracic and Cardiovascular Surgery)
 - Monthly journal club x 4 months
 - Experts from each department led one journal club
 - Critical appraisal tools provided & explained
 - Pre & Post Surveys
 - Nursing Education support with CE credit offerings & advertisement

Needs Assessment



Results

Q-#	Survey Question
Q-1	I understand what literature review means and how it is done
Q-2	I understand what can be included in the abstract, introduction, method, results, discussion sections of the article
Q-3	I feel confident in evaluating the methods of the article
Q-4	I understand that the results reflected by an article may be affected by the method used in the article
Q-5	I understand how to read figures and tables
Q-6	I feel confident in assessing the strengths and limitations of the articles
Q-7	While reading an article, I feel confident in generating questions about the work done
Q-8	I feel confident to form a new hypothesis when reading an article
Q-9	I understand what are the different levels of evidence



Percentage of Response

PRE-SURVEY	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
Q-1	36%	62%	5%	0%	0%
Q-2	34%	54%	11%	3%	0%
Q-3	18%	59%	19%	5%	3%
Q-4	36%	54%	11%	3%	0%
Q-5	28%	62%	11%	0%	3%
Q-6	26%	51%	16%	11%	0%
Q-7	28%	59%	11%	5%	0%
Q-8	18%	57%	19%	8%	0%
Q-9	23%	51%	16%	14%	0%

POST SURVEY

POST SURVEY	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
Q-1	62%	37%	3%	0%	0%
Q-2	59%	39%	3%	0%	0%
Q-3	54%	39%	8%	0%	0%
Q-4	59%	42%	0%	0%	0%
Q-5	56%	45%	0%	0%	0%
Q-6	57%	39%	5%	0%	0%
Q-7	59%	42%	0%	0%	0%
Q-8	59%	37%	5%	0%	0%
Q-9	57%	39%	5%	0%	0%

Significance to Nursing Practice

- Journal club teaching:**
- Increases skills in critical appraisal, knowledge, and confidence
 - Updates knowledge & increases use of evidence-based practice in clinical practice
 - Promotes critical thinking
 - Assesses validity & applicability of literature
 - Promotes & disseminates evidence-based practice
 - Improves reading habits & research awareness

Sustainability

- Transition the facilitation of the journal club for Advanced Practice Providers to the APRN Education Committee.
- Identify contacts and assign roles to help with smooth transition of the journal club.

Conclusions

The APP Journal Club emerged as an effective mechanism for promoting continuous learning and professional growth among APPs across diverse departments. The positive outcomes demonstrated by the increased level of agreement in the post-survey substantiate the value added by the journal club fostering evidence-based practice and collaboration.

This study underscores the importance of structured learning opportunities, like journal clubs, in equipping APPs with the skills and knowledge necessary for delivering high quality patient care. Further research could explore the long-term impact of sustained participation in such initiatives on the overall clinical practice and patient outcomes.

