

APPENDICES

Appendix A. Instructions provided to students for completing their PICO Project

Objective

The purpose of the PICO project is to apply the EBM method by developing a well formulated clinical question based on an LFME clinical encounter, searching for evidence to address this question, and reflecting (or optionally doing a critical appraisal) on the retrieved evidence. There are 7 elements to this project. Do not forget to complete element #7.

Guidelines

The PICO project is a mandatory component of the LFME course. The project should contain the following elements and must be no longer than 2 pages single-spaced at 12-point font.

Element 1: Clinical Scenario

In 1 or 2 paragraphs, introduce the patient / family / clinical context and the aspect of the case on which you will be focusing. DO NOT provide information that can be used to identify the patient.

Element 2: PICO Question

Based on your clinical scenario, formulate an answerable question with all four PICO concepts. Provide both a fully written-out question and the individual P-I-C-O concepts, as a breakdown.

Element 3: Search Strategy

Generate and report an effective search strategy. The search can be in any pre-appraised resource (e.g. DynaMed), or (optionally) in PubMed using PICO elements. Report the strategy you used to find the information (pre-appraised resource, primary research or systematic review). If using a pre-appraised resource (point-of-care tool), make sure to provide a roadmap to explain exactly how you found your answer. For PubMed, give the full search strategy. Do not use Automatic Term Mapping. Seek help from a life sciences librarian if you have difficulty with this element.

Element 4: Article or Pre-appraised Resource

Prepare a short description of the clinical information you retrieved. Is your choice of information source current and relevant to your question? How so? If you used a point-of-care tool, describe citations, recency of update, and quality of the evidence. If you used PubMed, describe the study -

state the research question(s), study design (e.g., RCT, cohort etc.), the population, the intervention, the outcome(s).

Element 5: Citation

Cite the source of your information in Vancouver Style. More information about Vancouver Style can be found here https://www.nlm.nih.gov/bsd/uniform_requirements.html

Please cite whatever resource you used to find an answer to your PICO question – if PubMed, cite the article. If you used a point-of-care tool, cite the page you used. If you used a point-of-care tool to retrieve a single article that you then had to appraise to find an answer, you must cite that article.

Element 6: Choice of Resource

Justify your choice of resource. If you chose to use a point-of-care tool to answer your question, discuss why you felt it was appropriate (currency, relevancy, etc.) If you use PubMed, please explain why a pre-appraised resource (point-of-care tool) was not the best choice for your question.

Element 7: Application to Patient Care

Describe how the information you retrieved (or the study findings and your appraisal of them) would influence your care of the patient. State how you would explain the study results to the patient, and whether you would try to make a shared-decision with the patient.

Appendix B. Literature Review Search Strategy in Embase and MEDLINE

Ovid MEDLINE(R) ALL <1946 to June 09, 2023>

1 evidence-based practice/ or evidence-based medicine/ or evidence-based emergency medicine/
88400
2 ((evidence* base* adj2 (medicine or practice)) or (ebm or ebp)).ti,ab,kf. 47712
3 or/1-2 119932
4 Students, Medical/ 43245
5 medical student*.ti,ab,kf. 52566
6 or/4-5 68547
7 **3 and 6 803**
8 clinical question*.ti,ab,kf. 11194
9 **6 and 8 90**

Embase Classic+Embase <1947 to 2023 June 09>

1 *evidence based practice/ 11390
2 *evidence based medicine/ or *evidence based emergency medicine/ 22105
3 ((evidence* base* adj2 (medicine or practice)) or (ebm or ebp)).ti,ab,kf. 63880
4 or/1-3 85032
5 *medical student/ 35918
6 medical student*.ti,ab,kf. 73306
7 or/5-6 81978
8 4 and 7 755
9 **limit 8 to "remove medline records" 266**
10 clinical question*.ti,ab,kf. 14088
11 7 and 10 133
12 **limit 11 to "remove medline records" 51**