Appendix 1: Rubrics

Rubric Used for Internal Medicine Clerkship

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| FORMULATE PICO AND CLINICAL QUERY |
| Inadequate - 0 | Needs Improvement - 1 | Meets Expectations - 3 | Exceeds Expectations - 5 |
| None of the previous present. | A general PICO and clinical query with few specific details about the case at hand.* Mentions intervention but unlikely to contribute to search.
* Reference to outcome, but so general as to be unlikely to contribute to a search.
 | Generates a reasonable PICO and clinical query that can be used for a literature search.* Defines some of the items in column one (EE); example: Mentions type of intervention without specifics.
 | Generates a well-built PICO and clinical query that can be used for a literature search. Clearly defines:* Population
* Specific Intervention
* Comparison (specific alternatives of interest)
* Outcome that is objective and meaningful to patient.

Query is relevant and justifiable. |
| SEARCH THE MEDICAL LITERATURE |
| Inadequate - 0 | Needs Improvement - 1 | Meets Expectation - 3 | Exceeds Expectations - 5 |
| None of the previous present. | Poor choice of search terms, elements missing, extraneous terms.Uses weak Internet resources. | Searches missing needed subject headings and limits.Uses library or acceptable Internet resources. | Logically constructed search with all relevant terms and nothing extraneous, with appropriate limits, subject headings, etc.* Uses library resources
* Variety of Best Sources
* Convenience
* Clinical Relevance
* Validity
* Explains the process of selecting a specific article and why it was selected.
* Picked an original study, not a systematic review or meta-analysis.
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Rubric Used for Pediatrics Clerkship

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| 1. PICO QUESTION
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| Inadequate - 0 | Needs Improvement - 1  | Meets Expectations - 2 | Exceeds Expectations - 3 |
| None of the previous present. | PICO is too vague/lacking details in more than one area. Elements may be out of order.  | Generates a reasonable PICO and clinical query that can be used for a literature search.* Define some of the items in column one (EE); example: Mentions type of intervention without specifics.
 | Generates a well-built PICO and clinical query that can be used for a literature search. Clearly defines:* Population
* Specific Intervention
* Comparison (specific alternatives of interest)
* Outcome that is objective and meaningful to patient.

Query is relevant and justifiable. |
| 1. SEARCH METHOD
 |
| Inadequate - 0 | Needs Improvement - 1 | Meets Expectations - 2 | Exceeds Expectations - 3 |
| None of the previous present. | Only identifies major concepts as keywords from PICO. No structure. Results lack precision.  | Major concept keywords are coupled with MeSH. Search displays structure. Results are reasonable and have sufficient precision.  | Major concept keywords include multiple synonyms and MeSH.Appropriate filters are used. Search structure shows ability to leverage database functions.Results show precision and specificity.  |

Rubric Used for OB/GYN Clerkship

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| PICO Method |
| Not observed – 0  | Needs attention - 1 | Developing - 2 | Achieved – 3  |
| Not applicable | PICO is too vague/lacking details in more than one area. Elements may be out of order. | PICO includes all of the appropriate elements and in the correct order. | PICO includes all the appropriate elements and in the correct order with sufficient detail. Outcome includes both clinical and patient elements (if applicable) and shows measurability. |
| Search Method |
| Not observed – 0  | Needs attention - 1 | Developing - 2 | Achieved – 3  |
| NA | Only identifies major concepts as keywords from PICO. No structure. Results lack precision. | Major concept keywords are coupled with MeSH. Search displays structure. Results are reasonable and have sufficient precision. | Major concept keywords includes multiple synonyms and MeSH. Appropriate filters are used. Search structure shows ability to leverage database functions. Results show precision and specificity. |