Otolaryngology – Head and Neck Surgery: Core EPA #4

Developing and executing a research project

Key Features:
- The resident’s involvement in the research project will include the following: literature review, experimental design, ethics application, data analysis/statistics, manuscript preparation and presentation of work (does not need to be published)

Assessment plan:

Supervisor does assessment based on review of resident’s submission of the research project

Use Form 1.
Collect 1 observation of achievement

Relevant milestones:

1. **C ME 1.4.1** Apply a broad base and depth of knowledge in the basic and clinical sciences relevant to Oto - HNS
2. **C COL 1.2.1** Recognize, value, and utilize the expertise of interprofessional team members
3. **C COL 1.2.2** Liaise with intersecting health professions
4. **C S 3.1.1** Generate focused questions to address practice uncertainty and knowledge gaps
5. **F S 3.2.1** Conduct a basic literature search
6. **C S 3.2.1** Identify, select, and navigate pre-appraised resources
7. **C S 4.1.1** Apply the principles of research and scholarly inquiry to contribute to a scholarly investigation or the dissemination of research findings
8. **C S 4.2.1** Identify ethical principles for research and incorporate them into obtaining informed consent, considering harm and benefit, and considering vulnerable populations
9. **C S 4.3.1** Actively participate as a research team member, balancing the roles and responsibilities of a researcher with the clinical roles and responsibilities of a physician
10. **C S 4.3.2** Execute at least three of the following elements of a research project: development of the hypothesis, including a comprehensive literature review; development of the protocol for the scholarly project; preparation of a grant application; development of the research ethics proposal; interpretation and synthesis of the results
11. **C S 4.4.1** Pose medically and scientifically relevant and appropriately-constructed questions amenable to scholarly investigation
12. **C S 4.4.2** Select appropriate methods of addressing a given scholarly question
13. **C S 4.5.1** Summarize and communicate to professional and lay audiences, including patients and their families, the findings of applicable research and scholarly inquiry
14  C S 4.5.2 Prepare a manuscript suitable for publication in a peer-reviewed journal

15  C P 1.2.1 Demonstrate a commitment to excellence in all aspects of practice