

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