

**Otolaryngology – Head and Neck Surgery: Core EPA #9**

**Assessing and managing patients presenting with rhinosinusitis**

Key Features:

- The observation of this EPA is divided into four parts: patient assessments, performing procedures at the junior core level (basic endoscopic sinus surgery), performing procedures at the senior core level (complete endoscopic sinus surgery) and providing post-operative follow-up care with sinus cavity debridement.
- The procedural aspects at the junior Core level focus on basic endoscopic sinus surgery of simple or primary cases and include the procedures of nasal polypectomy, uncinectomy, maxillary antrostomy, anterior ethmoidectomy, and debridement of the ESS cavity.
- The procedural aspects at the senior Core level focus on complete endoscopic sinus surgery of primary or more complex cases and include sphenoethmoidectomy.

Assessment Plan:

Part A: Initial Assessment

Direct observation and/or case review by supervisor

Use Form 1. Form collects information on:

- Conditions: primary; recurrent; polyposis

Collect 3 observations of achievement

Part B: Procedure – Basic Endoscopic Sinus Surgery (JC)

Direct observation by supervisor

Use Form 2. Form collects information on:

- Case complexity: low; medium; high
- Patient age (write in):
- Procedure: nasal polypectomy; uncinectomy; maxillary antrostomy; anterior ethmoidectomy
- Debridement: yes; no

Collect 3 observations of achievement

Part C: Procedure – Complete Endoscopic Sinus Surgery (SC)

Direct observation by supervisor

Use Form 2. Form collects information on:

- Procedure (select all that apply): nasal polypectomy; uncinectomy; maxillary antrostomy; anterior ethmoidectomy; sphenoethmoidectomy with or without frontal sinusotomy
- Case complexity: low; medium; high

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Collect 3 observations of achievement

- Must include sphenoethmoidectomy

Part D: Follow-up with sinus cavity debridement

Direct observation by supervisor

Use Form 1. Form collects information on:

- Age: adult; older children; other

Collect 3 observations of achievement

CanMEDs Milestones

Part A: Initial Assessment

- 1 ME 1.4** Apply a broad base and depth of knowledge in clinical and biomedical sciences to the medical and surgical management of the breadth of patient presentations in Oto - HNS
  - Bacteriology and bacterial resistance as related to sinusitis
  - Pathophysiology of chronic sinusitis with and without nasal polyposis
  - Principles of therapeutic agents for allergic disorders of the nose and Chronic Rhinosinusitis with nose polyps (CRSwNP) and Chronic Rhinosinusitis without nasal polyps (CRSSNP), including topical and systemic therapies
- 2 ME 1.4** Apply a broad base and depth of knowledge in clinical and biomedical sciences as they apply to the diagnostic techniques/procedures relevant to Oto - HNS
  - Tests of nasal function and olfactory disorders
- 3 ME 2.1** Consider clinical urgency, feasibility, availability of resources, and comorbidities in determining priorities to be addressed during the current encounter or during future visits or with other health care practitioners
- 4 ME 2.2 Elicit a history, perform a physical exam, select appropriate investigations, and interpret their results**
- 5 ME 2.2 Develop a differential diagnosis, evaluation plan and treatment plan based on findings of appropriate investigations**
- 6 ME 2.2 Select and interpret appropriate investigations for any Oto-HNS presentation based on a differential diagnosis**
- 7 ME 2.4 Develop, implement, and document a management plan**
- 8 ME 3.2 Obtain informed consent for complex medical and surgical procedures and therapies**
- 9 ME 4.1 Establish plans for ongoing care**
- 10 COM 2.1** Use patient-centred interviewing skills to effectively gather relevant biomedical and psychosocial information
- 11 COM 2.1** Integrate, summarize, and present the biopsychosocial information obtained from a patient-centred interview
- 12 COM 3.1 Convey information related to the patient's health status, care, and needs in a timely, honest, and transparent manner**
- 13 COM 5.2** Communicate effectively using a written health record, electronic medical record, or other digital technology
- 14 P 1.2** Demonstrate a commitment to excellence in all aspects of practice

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Part B: Procedure – Basic Endoscopic Sinus Surgery (JC)

- 1 ME 1.4 Knowledge of specific procedural steps: Understands steps of procedure, potential risks, and means to avoid/overcome them**
- 2 ME 3.1 Pre-procedure plan: Gather/assess required information to reach diagnosis and determine correct procedure required**
- 3 ME 3.4 Case preparation: Patient correctly prepared and positioned, understands approach and required instruments, prepared to deal with probable complications**
- 4 ME 3.4 Technical performance: Efficiently performs steps, avoiding pitfalls and respecting soft tissues**
- 5 ME 3.4 Visuospatial skills: 3D spatial orientation and able to position instruments/hardware where intended**
- 6 ME 3.4 Post-procedure plan: Appropriate complete post procedure plan**
- 7 ME 3.4 Efficiency and flow: Obvious planned course of procedure with economy of movement and flow**
- 8 COL 1.3 Professional and effective communication/utilization of staff**

Part C: Procedure – Complete Endoscopic Sinus Surgery (SC)

- 1 ME 1.4 Knowledge of specific procedural steps: Understands steps of procedure, potential risks, and means to avoid/overcome them**
- 2 ME 3.1 Pre-procedure plan: Gather/assess required information to reach diagnosis and determine correct procedure required**
- 3 ME 3.4 Case preparation: Patient correctly prepared and positioned, understands approach and required instruments, prepared to deal with probable complications**
- 4 ME 3.4 Technical performance: Efficiently performs steps, avoiding pitfalls and respecting soft tissues**
- 5 ME 3.4 Visuospatial skills: 3D spatial orientation and able to position instruments/hardware where intended**
- 6 ME 3.4 Post-procedure plan: Appropriate complete post procedure plan**
- 7 ME 3.4 Efficiency and flow: Obvious planned course of procedure with economy of movement and flow**
- 8 COL 1.3 Professional and effective communication/utilization of staff**

Part D: Follow-up with sinus cavity debridement

- 1 ME 1.4 Apply a broad base and depth of knowledge in clinical and biomedical sciences to the medical and surgical management of the breadth of patient presentations in Oto - HNS**
- 2 ME 1.5 Assess and document the extent of the disease including rating scores where appropriate**
- 3 ME 2.2 Elicit a history, perform a physical exam, select appropriate investigations, and interpret their results**
- 4 ME 2.2 Identify risk factors for recurrent disease**
- 5 ME 2.2 Perform and interpret findings of office- and /or clinic-based exams**
- 6 ME 2.2 Select and interpret appropriate investigations for any Oto-HNS presentation based on a differential diagnosis**
- 7 ME 2.4 Develop, implement, and document a management plan**

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- 8 ME 2.4 Provide timely and adequate responses to complications and undesired side effects of treatment**
- 9 ME 3.4 Perform post-sinus surgery debridement**
- 10 ME 4.1 Establish plans for ongoing care**
- 11 ME 4.1** Accurately identify situations that necessitate consultation of other health professionals to assist in the management of disorders encountered in Oto - HNS
- 12 ME 4.1 Provide long-term management of a patient after medical and/or surgical treatment**
- 13 COM 5.2 Communicate effectively using a written health record, electronic medical record, or other digital technology**
- 14 P 1.1** Exhibit appropriate professional behaviours and relationships in all aspects of practice, reflecting honesty, integrity, humility, commitment, compassion, respect, altruism, respect for diversity, and maintenance of confidentiality
- 15 P 1.2** Demonstrate a commitment to excellence in all aspects of practice