



THE UNIVERSITY OF BRITISH COLUMBIA

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Advanced Rhinology, Endoscopic Sinus and Skull Base Surgery Fellowship

Mr. Anas Gomati

MB BCh (Hons), DO-HNS, FRCS ORL-HNS

Summary Log of Clinical Activity during the Fellowship Year:
September 2023 – September 2024

Total of Endoscopic Endonasal Surgeries involved as primary surgeon or Primary surgical assistant	352
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Endoscopic Endonasal surgery for Inflammatory conditions

Procedure	Number
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Endoscopic Nasal, Septal and Sinus Surgery

Computer Assisted Endoscopic Sinus Surgery -
- Sino-Nasal Inflammatory Conditions:

- | | |
|--|-----|
| <input type="checkbox"/> Chronic Rhinosinusitis with Polyps | 252 |
| <input type="checkbox"/> Chronic Rhinosinusitis without Polyps | |
| <input type="checkbox"/> Allergic Fungal Sinusitis | |
| <input type="checkbox"/> Recurrent Acute Sinusitis | |
| <input type="checkbox"/> Non-Invasive fungal sinusitis (Fungal balls, AFS) | |
| <input type="checkbox"/> Mucocoeles | |
| <input type="checkbox"/> Silent Sinus Syndrome | |
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ESS Break Down:

- Primary Endoscopic Sinus Surgery 202
 - Revision Endoscopic Sinus Surgery 50
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Endoscopic Septoplasty/Nasal Septal Reconstruction) 238

Inferior turbinate reduction 73

(as a part of ESS or as a separate procedure)

Endoscopic Frontal & Sphenoid Surgery:

Frontal Sinus Draf IIA 249/76 [Conventional / Drill out 2A]
Frontal Sinus Draf IIB 36
Frontal Sinus Draf III 27

Endoscopic Endonasal surgery for Tumors and Skull Base pathologies

Procedure	Number
Endoscopic Sinonasal tumor resections	23
<i>Benign Sinonasal Tumors</i>	
□ Antrochoanal polyp	4
□ Odontogenic Keratocyst (OKC)	3
□ Inverted Papilloma	2
□ Nasopharyngeal Pleomorphic Salivary Adenoma	1
□ Oncocytic Cell Papilloma	1
□ Plasmacytoma	1
□ Recurrent Respiratory Papilloma	1
<i>Malignant Sinonasal Tumors</i>	
□ Mucosal Melanoma	5
□ Adenoid Cystic Carcinoma	2
□ Undifferentiated Carcinoma (SNUC)	1
□ Squamous Cell Carcinoma	1
□ Esthesioneuroblastoma	1
<i>Endoscopic Tumor Biopsies</i>	
• Sphenoid (Orbital Apex “Liver Met”, Grade 2 skull base meningioma)	2

Skull Base Approaches	50
<ul style="list-style-type: none"> • <i>Neurosurgeon - Dr. Peter Gooderham</i> • <i>Orbital Surgeon - Dr. Vivian Yin</i> 	
Total CSF Leak Repairs	37
Endoscopic Trans-Sphenoidal Pituitary Tumor resection	34
<ul style="list-style-type: none"> • Non-Functional Macradenoma • Functional – Cushing’s, Acromegaly, Prolactinoma • Rathke’s Cleft Cyst 	
Expanded Endoscopic Skull Base Approaches	11
Endoscopic Trans-Planum Approach	5
Endoscopic Resection of Clival Chordoma	2
Endoscopic Craniofacial Resection	4
<ul style="list-style-type: none"> • SNMM • SNUC • Esthesioneuroblastoma • Meningioma 	
Cribriform Dehiscence CSF Leak Repair	3
Modified endoscopic Denker’s	3
Meningocele Repair (Frontal / Sphenoid)	3
Endoscopic approach to Infratemporal fossa	2
Orbital Approaches	5
<ul style="list-style-type: none"> • <i>Orbital Surgeon - Dr. Vivian Yin</i> 	
Sinonasal Malignancy	2
Cavernous Hemangioma (Intra-Conal)	2
Schwannoma (Intra-Conal)	1
<input type="checkbox"/> Endoscope Driving during Skull Base tumour resection – 4 hands technique with Neurosurgeon	45
<input type="checkbox"/> Fascia Lata Harvest	5
<input type="checkbox"/> Endoscopic Anterior Ethmoidal Artery Ligation	12
<input type="checkbox"/> Pterygopalatine Fossa Dissection	4

Research Activities - Fellowship Year

Mr. Anas Gomati MB BCH, DOHNS, FRCS ORL-HNS

September, 2023 – September, 2024

Project	Status
Comparative Analysis of Short-term (4 weeks) vs. Long-term (12 weeks) Silastic Stenting: A Prospective Study of Clinical Outcomes	Study Protocol – REB approval Rollout to other sites
Essential Instruments for Success in Sinus Surgery	Book Chapter – Manuscript Submitted
Evaluating the Quality of Patient Education Content Related to Chronic Rhinosinusitis on TikTok; a Systematic Review and Analysis	Manuscript completed Submitted. Poster ARS 2024 – Accepted
SNUC Video Abstract	Accepted NASBS 2025
Combined Endonasal, Endo-Orbital and Transcranial Craniofacial Resection of invasive Anterior Skull base Sinonasal Carcinoma: 2D Endoscopic Video	Accepted – (JOCN) Journal of Clinical Neuroscience
Accuracy of AI-generated Patient Info - Prompt Design	Data Analysis
Safety and efficacy of prolonged post-operative silastic stenting in enhancing endoscopic sinus surgery outcomes	Initial data collection completed Manuscript preparation COS + ERS = Submitted (Oral Presentation)

Presentations

- Otolaryngology Grand Rounds. Department of Otolaryngology, University of British Columbia. February 28th, 2024: *Early experience with novel endoscopic orbital and trans-orbital approaches at the Vancouver General Hospital.*
- Resident lessons. Department of Otolaryngology, University of British Columbia January 2024. *Epiphora, Thyroid Eye Disease, Intra-nasal approach to orbital pathology.*
- Active participation with case presentation and literature review in ‘Vancouver Rhinology Rounds’ - first Wednesday of every month:
 - *Defying Shadows: Boldly Battling Sinonasal Melanoma with Contemporary Insights and Treatment Innovations*
 - *Revision Sinus Surgery: Key ingredients for superior outcomes*
 - *Endoscopic Septoplasty*
 - *Practical use of Biologics & Surgical Decision-Making in the Biologic Era*
 - *Creation of a Successful Multi-disciplinary team in Sinus, Orbit & Skull Base Surgery*
 - *Endoscopic Sinus Surgery Instruments in a Nutshell*
 - *From Comprehensive to Radical – Frontal Sinus surgery Evolution*

Endoscopic Endonasal Procedures Performed by the Fellow (as primary Surgeon) in the Operating Room

Procedure	Number
Endoscopic Sinus Surgery	
○ Ethmoidectomies (anterior and posterior)	190
○ Maxillary Antrostomies	161
○ Frontal Sinusotomies (Draf IIa) / D.O 2A	151 / 39
○ Frontal Sinusotomies (Draf IIb)	22
○ Frontal Sinusotomies (Draf III)	17
○ Sphenoidotomies	187
○ Endoscopic Nasal Septal Reconstruction	169
Endoscopic Tumour and Skull Base Surgeries	
○ Endoscopic Tumour Resection	29
○ Nasoseptal Flap Harvest for Skull Base Reconstruction	25
○ Rostrectomy	38
○ Endoscope Driving During Skull Base Approaches – Four Hands Technique with Neurosurgeon	37
○ Endoscopic Medial Maxillectomy	6

Fellowship Director:



Arif Janjua, MD FRCSC
Rhinology, Endoscopic Sinus & Skull Base Surgery
Clinical Professor, University of British Columbia