



THE UNIVERSITY OF BRITISH COLUMBIA

Division of Otolaryngology
Department of Surgery
Faculty of Medicine
Vancouver General Hospital
Gordon & Leslie Diamond Health Care Centre
4th Floor, 2775 Laurel Street
Vancouver, BC Canada V5Z 1M9
Tel: 604-875-8296
Fax: 604-875-8297
arif.janjua@ubc.ca

Advanced Rhinology, Endoscopic Sinus and Skull Base Surgery Fellowship

Mr Saleh Okhovat

MB BS BSc (Hons) FRCS ORL-HNS MRCS DO-HNS AICSM

Summary Log of Clinical Activity during the Fellowship Year:
September 2020 - October 2021

Total of Endoscopic Endonasal Surgeries involved as primary surgeon or surgical assistant	279
--	-----

Endoscopic Endonasal surgery for Inflammatory conditions

Procedure	Number
------------------	---------------

Endoscopic Nasal, Septal and Sinus Surgery

Computer Assisted Endoscopic Sinus Surgery

For Sino-Nasal Inflammatory Conditions:

- | | |
|--|-----|
| <input type="checkbox"/> Chronic Rhinosinusitis with Polyps | 196 |
| <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"/> Mucoceles | |
| <input type="checkbox"/> Silent Sinus Syndrome | |
-

ESS Break Down:

- | | |
|-------------------------------------|-----|
| • Primary Endoscopic Sinus Surgery | 167 |
| • Revision Endoscopic Sinus Surgery | 29 |
-

Endoscopic Septoplasty/Nasal Septal Reconstruction) and inferior turbinate reduction (<i>as a part of ESS or as a separate procedure</i>)	189
---	-----

Endoscopic Frontal & Sphenoid Surgery:

Frontal Sinus Draf IIA	344
Frontal Sinus Draf IIB	6
Frontal Sinus Draf III	31
Sphenoidectomy types I, II, III	236

Endoscopic Endonasal surgery for Tumors and Skull Base pathologies

Procedure	Number
Endoscopic Sinonasal tumor resections	25
<i>Benign Sinonasal Tumors</i>	
<input type="checkbox"/> Inverted Papilloma	12
<input type="checkbox"/> Juvenile Nasopharyngeal Haemangioma	1
<input type="checkbox"/> Nasopharyngeal Amyloidosis	1
<input type="checkbox"/> Oncocytic Cell Papilloma	1
<input type="checkbox"/> Eosinophilic Angiocentric fibrosis	1
<i>Malignant Sinonasal Tumors</i>	
<input type="checkbox"/> Mucosal Melanoma	1
<input type="checkbox"/> Squamous Cell Carcinoma	6
<input type="checkbox"/> Adenoid Cystic carcinoma	1
<input type="checkbox"/> Esthesioneuroblastoma	1
Endoscopic Tumor Biopsies	
• Clivus (inflammatory + Metastatic Renal Cell Carcinoma)	2

Skull Base Approaches	64
<ul style="list-style-type: none"> • <i>Neurosurgeon - Dr. Peter Gooderham</i> • <i>Orbital Surgeon - Dr. Vivian Yin</i> 	
Total CSF Leak Repairs	48
Endoscopic Trans-Sphenoidal Pituitary Tumor resection	44
<ul style="list-style-type: none"> • Non-Functional Macradenoma • Functional – Cushing’s, Acromegaly • Rathke’s Cleft Cyst 	
Expanded Endoscopic Skull Base Approaches	13
Endoscopic Trans-Planum Approach for Craniopharyngioma	2
Endoscopic Trans-Planum Approach for Extensive Rathke’s Cyst	1
Endoscopic Resection of Clival Chordoma	1
Endoscopic Craniofacial Resection	
<ul style="list-style-type: none"> • Adnoid cystic Carcinoma • Esthesioneuroblastoma • Sinonasal Salivary Ductal Carcinoma • Glomangiopericytoma • Squamous cell carcinoma 	8
Endoscopic Assisted Craniofacial Resection	
<ul style="list-style-type: none"> • Esthesioneuroblastoma 	1
Cribriform Dehiscence Spontaneous CSF Leak Repair	3
Post Traumatic Meningoencephalocele CSF Leak repair	3
Repair of Cranial base defect post-traumatic gunshot wound	1
Endoscopic Transpterygoid approaches for Tumours (JNA, IP)	2

Endoscopic Skull Base surgeries: Breakdown

<input type="checkbox"/> Nasoseptal flap for skull base reconstruction	32
<input type="checkbox"/> Rostrectomy	49
<input type="checkbox"/> Endoscope Driving during Skull Base tumour resection – 4 hand technique with Neurosurgeon	51
<input type="checkbox"/> Cranial Base Repair	54
<input type="checkbox"/> Fascia Lata Harvest	8
<input type="checkbox"/> Endoscopic Anterior Ethmoidal Artery Ligation	6
<input type="checkbox"/> Pterygopalatine Fossa	5

Endoscopic Endonasal Procedures performed by the Fellow (As Primary Surgeon)

Procedure	Number
Endoscopic Sinus Surgery	
<input type="checkbox"/> Ethmoidectomies (anterior and posterior).	213
<input type="checkbox"/> Maxillary Antrostomies	98
<input type="checkbox"/> Frontal Sinusotomies (Draf IIa/IIb)	211
<input type="checkbox"/> Frontal Sinusotomies (Draf III)	16
<input type="checkbox"/> Sphenoidotomies	190
<input type="checkbox"/> Endoscopic Nasal Septal Reconstruction	98
Endoscopic Nasal Tumours and Skull Base Surgeries	
<input type="checkbox"/> Endoscopic Tumour Resection	7
<input type="checkbox"/> Nasoseptal Flap Harvest for Skull Base Reconstruction	18
<input type="checkbox"/> Rostrectomy	14
<input type="checkbox"/> Endoscope Driving During Skull Base Approaches – Four Hands Technique with Neurosurgeon	42
<input type="checkbox"/> Endoscopic Medial Maxillectomy	6

Fellowship Director:



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