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**THE UNIVERSITY OF BRITISH COLUMBIA**

**Division of Otolaryngology**

Department of Surgery

Faculty of Medicine

Vancouver General Hospital

Gordon & Leslie Diamond Health Care Centre

4<sup>th</sup> Floor, 2775 Laurel Street

Vancouver, BC Canada V5Z 1M9

Tel: 604-875-8296

Fax: 604-875-8297

[arif.janjua@ubc.ca](mailto:arif.janjua@ubc.ca)

**Endoscopic Sinus and Skull Base Surgery Fellowship**  
**JAIME VIERA ARTILES M.D.**

**Summary Log of Clinical and Academic Activity during the Fellowship Year**  
*August 15<sup>th</sup>, 2016 – September 1<sup>st</sup>, 2017*

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<b>Total Endoscopic Endo-nasal Surgeries Involved as Primary Surgeon or Surgical Assistant</b>	<b>286</b>
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**Endoscopic Endonasal Surgery for Inflammatory Conditions**

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<b>Procedure</b>	<b>Number</b>
<b>Endoscopic Nasal, Septal and Sinus Surgery</b>	
<b>Computer Assisted Endoscopic Sinus Surgery</b>	
<b>For Sino-Nasal Inflammatory Conditions:</b>	
▪ Chronic Rhinosinusitis with Polyps	
▪ Chronic Rhinosinusitis without Polyps	
▪ Allergic Fungal Sinusitis	
▪ Recurrent Acute Sinusitis	
▪ Non-invasive fungal sinusitis (Fungal balls, AFS)	
▪ Granulomatous Diseases	
▪ Antrochoanal Polyps	
▪ Mucoceles	
▪ Silent Sinus Syndrome	
	<b>229</b>



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### ESS Case Breakdown:

- |  |     |
|--|-----|
| • <i>Primary Endoscopic Sinus Surgery</i>  | 154 |
| • <i>Revision Endoscopic Sinus Surgery</i> | 75  |
- 

Endoscopic Septoplasty/Nasal Septal Reconstruction) and Inferior Turbinate Reduction ( <i>as a part of ESS or as a separate procedure</i> )	123
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Endoscopic Sphenopalatine Artery Ligation for Epistaxis	1
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### Endoscopic Endonasal Surgery for Tumours and Skull Base Pathologies

Procedure	Number
<b>Endoscopic Sino-nasal Tumour Resections</b>	
<i>Benign Sinonasal Tumours</i>	
<ul style="list-style-type: none"><li>▪ Inverted Papilloma</li><li>▪ Exophytic Schneiderian Papilloma</li><li>▪ Other Tumours</li></ul>	32
<i>Malignant Sinonasal Tumours</i>	
<ul style="list-style-type: none"><li>▪ Squamous Cell Carcinoma</li><li>▪ Adenocarcinoma</li></ul>	
<b>Skull Base Approaches – Total = 60</b>	
<ul style="list-style-type: none"><li>• <i>Neurosurgeon:</i> Dr. Peter Gooderham</li><li>• <i>Orbit Surgeon:</i> Dr. Vivian Yin</li></ul>	
<b>Endoscopic Trans-Sphenoidal Pituitary Tumour resection</b>	
<ul style="list-style-type: none"><li>▪ Non-functional Macroadenoma</li><li>▪ Functional – Cushings, Acromegaly</li><li>▪ Rathke Cleft Cysts</li><li>▪ Metastases</li></ul>	43



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### 'Expanded' Endoscopic Skull Base Surgeries (N = 17)

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Endoscopic Craniofacial Resection (eCFR)	3
Endoscopic-Assisted Craniofacial Resection (e-aCFR)	3
Meningo(encephalo)cele & CSF Leak Repair	6
Nasopharyngectomy	1
Endoscopic Clival Giant Cells Tumour Resection	1
Recurrent Clival Chordoma Resection	1
Endoscopic Transnasal Odontoidectomy	1
Orbital Cavernous Hemangioma	1

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### Endoscopic Endonasal Procedures Performed By The Fellow (as primary surgeon) In The Operating Room

Procedure	Number
<b>Endoscopic Sinus Surgery</b>	
▪ Ethmoidectomies (Anterior and Posterior)	119
▪ Maxillary Antrostomies	82
▪ Frontal Sinusotomies (Draf 2a/2b)	122
▪ Frontal Sinusotomies (Draf 3)	3
▪ Sphenoidotomies	88
▪ Nasoseptal Reconstruction	28
<b>Endoscopic Tumour and Skull Base surgeries</b>	
▪ Endoscopic Tumour Resection	15
▪ Nasoseptal Flap For Skull Base Reconstruction	18
▪ Rostrectomy	18
▪ Endoscope Driving During Skull Base Tumour Resection – 4 Hand Technique With Neurosurgeon	45
▪ Endoscopic Medial Maxillectomy	5



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### Endoscopic Endonasal Procedures Performed By The Fellow (As Primary Surgeon) In Ambulatory Clinic

Procedure	Number
▪ Endoscopic In-Office Polypectomy, Endoscopic Endonasal Biopsies, Cauterizations and Small Benign Tumour Resections	40
▪ Diagnostic Endoscopic Examination (flexible and rigid endoscopy)	~1.500

Fellowship Director:

A handwritten signature in blue ink, appearing to read "Arif Janjua".

Arif Janjua, MD FRCSC

Rhinology, Endoscopic Sinus & Skull Base Surgery

Otolaryngology - Head & Neck Surgery

Vancouver General Hospital, St. Paul's Hospital, University of British Columbia Hospital

Clinical Assistant Professor, University of British Columbia