



THE UNIVERSITY OF BRITISH COLUMBIA

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**Advanced Rhinology, Endoscopic Sinus and Skull Base Surgery Fellowship**

**Dr. Maria Manuela Chemas-Velez**

Summary Log of Clinical Activity during the Fellowship Year:  
31<sup>st</sup> August 2022 – 21<sup>st</sup> September 2023

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Total of Endoscopic Endonasal Surgeries involved as primary surgeon or surgical assistant	310
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**1. Endoscopic Endonasal Surgery for Inflammatory Conditions**

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Procedure	Number of Patients
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**Endoscopic Nasal, Septal and Sinus Surgery**

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Computer Assisted Endoscopic Sinus Surgery

For Sino-Nasal Inflammatory Conditions:

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|--|-----|
| <input type="checkbox"/> Chronic Rhinosinusitis with Polyps                |     |
| <input type="checkbox"/> Chronic Rhinosinusitis without Polyps             |     |
| <input type="checkbox"/> Allergic Fungal Sinusitis                         | 235 |
| <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                             |     |
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ESS Break Down:

- Primary Endoscopic Sinus Surgery 194
- Revision Endoscopic Sinus Surgery 41

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Endoscopic Septoplasty/Nasal Septal Reconstruction) and inferior turbinate reduction (*as a part of ESS or as a separate procedure*) 174

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Frontal Sinus Surgery

Frontal Sinus Draf IIA 210 x 2 = 420  
Frontal Sinus Draf IIB 9 x 2 = 18  
Frontal Sinus Draf III 16

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2. **Endoscopic Endonasal Surgery for Tumors**

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<b>Procedure</b>	<b>Number</b>
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<b>Endoscopic Sinonasal Tumor Resections</b>	25
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<b><i>Benign Sinonasal Tumors</i></b>	
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- |  |    |
|--|----|
| <input type="checkbox"/> Inverted Papilloma                      | 16 |
| <input type="checkbox"/> Calcifying Epithelial Odontogenic Tumor | 1  |
| <input type="checkbox"/> Pleomorphic Adenoma                     | 1  |

<b><i>Malignant Sinonasal Tumors</i></b>	
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- |   |   |
|---|---|
| <input type="checkbox"/> Mucosal Melanoma         | 2 |
| <input type="checkbox"/> Squamous Cell Carcinoma  | 1 |
| <input type="checkbox"/> Adenoid Cystic carcinoma | 2 |
| <input type="checkbox"/> Chondrosarcoma           | 2 |

3. **Endoscopic Skull Base Approaches**

54

- *Neurosurgeon - Dr. Peter Gooderham*
- *Orbital Surgeon - Dr. Vivian Yin*

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<b>Total CSF Leak Repairs</b>	25
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<b>Endoscopic Trans-Sphenoidal Pituitary Tumor resection</b>	40
<ul style="list-style-type: none"> <li>• Non-Functional Macradenoma</li> <li>• Functional – Cushing’s, Acromegaly</li> <li>• Rathke’s Cleft Cyst</li> </ul>	
<b>Expanded Endoscopic Skull Base Approaches</b>	14

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**Endoscopic Skull Base surgeries: Breakdown**

Endoscopic Trans-Planum Approach	4
Endoscopic Trans-Clival Approach	3
Endoscopic Craniofacial Resection <ul style="list-style-type: none"> <li>• Adenoid Cystic carcinoma</li> </ul>	1
Meningoencephalocele - CSF Leak Repair	2
Endoscopic Transpterygoid Approach	1
Endoscopic Assisted Transorbital Approach	1
Endoscopic-Assisted Endonasal Orbital Tumor Resection	2

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Nasoseptal flap for skull base reconstruction	32
Rostrectomy	46
Endoscope Driving during Skull Base tumour resection – 4 hand technique with Neurosurgeon/Ophthalmologist	50
Fascia Lata Harvest	5

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Fellowship Director:



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