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**THE UNIVERSITY OF BRITISH COLUMBIA**

**Division of Otolaryngology**

Department of Surgery

Faculty of Medicine

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## **Advanced Rhinology and Endoscopic Skull Base Surgery Fellowship**

**Borja Bazan Inostroza, M.D.**

**Summary Log of Clinical and Academic Activity During the  
Fellowship Year  
August 26<sup>th</sup>, 2024 – October 3<sup>rd</sup>, 2025**

<b>Total Endoscopic Endonasal Surgeries Performed as Primary Surgeon or Surgical Assistant</b>	<b>362</b>
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### **Endoscopic Endonasal Surgeries for Inflammatory Conditions**

<b>Procedure</b>	<b>Number</b>
<b>Endoscopic Nasal, Septal and Sinus Surgery</b>	
Computer-assisted Endoscopic Sinus Surgery for Sinonasal Inflammatory Conditions: <ul style="list-style-type: none"><li>○ Chronic Rhinosinusitis with Nasal Polyps</li><li>○ Chronic Rhinosinusitis without Nasal Polyps</li><li>○ Central Compartment Atopic Disease</li></ul>	



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<ul style="list-style-type: none"> <li>○ Aspirin-exacerbated Respiratory Disease</li> <li>○ Allergic Fungal Sinusitis</li> <li>○ Non-eosinophilic Chronic Rhinosinusitis</li> <li>○ Recurrent Acute Rhinosinusitis</li> <li>○ Mycetoma</li> <li>○ EGPA</li> <li>○ Antrochoanal Polyp</li> <li>○ Mucocele</li> <li>○ Silent Sinus Syndrome</li> <li>○ Invasive Fungal Sinusitis</li> </ul>	<b>275</b>
<p>ESS Case Breakdown:</p> <ul style="list-style-type: none"> <li>○ <b>Primary</b> Endoscopic Sinus Surgery</li> <li>○ <b>Revision</b> Endoscopic Sinus Surgery</li> </ul>	<p>221</p> <p>54</p>
<p>Advanced Aeration: <b>Frontal Drill Out Procedures</b> (as a part of ESS)</p>	<b>44</b>
<p>Endoscopic Nasal Septal Reconstruction (as part of ESS or as a separate procedure)</p>	<b>256</b>
<p>Inferior Turbinate Reduction (as a part of ESS or as a separate procedure) – Including a novel bone resection approach</p>	<b>52</b>
<p>Choana Atresia Repair</p>	<b>1</b>



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## Endoscopic Endonasal Surgery for Tumours and other Pathologies

Procedure	Number
<b>Endoscopic Sinonasal Tumour Resections</b>	<b>24</b>
Benign Sinonasal Tumours:	
○ Inverted Papilloma	<b>12</b>
○ Juvenile Nasopharyngeal Angiofibroma	<b>1</b>
○ Mesenchymal tumours	<b>2</b>
○ OKC	<b>2</b>
Malignant Sinonasal Tumours:	<b>7</b>
○ Squamous Cell Carcinoma	<b>5</b>
○ Melanoma	<b>2</b>
<b>Orbital Approaches:</b>	<b>8</b>
Orbit Surgeons: Dr. Peter Dolman and Dr. Vivian Yin	
○ Hemangioma & vascular malformations	<b>4</b>
○ Graves orbitopathy	<b>1</b>
○ Intraorbital complications and mucocele	<b>2</b>
○ Revision fronto-ethmoidal-orbital recurrent IP	<b>1</b>



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<b>Other Surgeries:</b>	<b>3</b>
○ Acute Invasive Fungal Sinusitis	<b>1</b>
○ Nasopharyngectomy	<b>1</b>
○ Lymphoma (Emergency – orbital impairment)	<b>1</b>

**Endoscopic Approaches to the Skull Base**

<b>Procedure</b>	<b>Number</b>
<b>Skull Base Reconstructions</b>	<b>52</b>
○ Primary CSF Leak Repairs with Nasoseptal Flap	<b>1</b>
○ Primary CSF Leak Repairs with Free Mucosa Graft	<b>2</b>
○ <b>Iatrogenic (including secondary CSF leak repair as surgical complication during inflammatory cases)</b>	<b>49</b>
○ Reconstruction after Tumour Dissection with Nasoseptal Flap	<b>30</b>
○ Reconstruction After Tumour Dissection with Free Mucosa Graft	<b>17</b>
○ Reconstruction After Tumour Dissection with Fascia Lata	<b>2</b>
<b>Endoscopic Transphenoidal Transellar Approach</b>	<b>38</b>
○ Non-functioning Macroadenomas	<b>26</b>
○ Functioning Adenomas (Cushing, Acromegaly, TSHoma)	<b>8</b>



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○ Rathke’s Cleft Cyst	<b>4</b>
<b>Expanded Approaches to the Skull Base</b>	<b>9</b>
○ Endoscopic Craniofacial Resection & Combined Orbital/Neurosurgical Approaches for Craniopharyngioma, Recurrent Meningioma, or Fibrous Dysplasia	<b>3</b>
○ Endoscopic Trans Planum Approach for Craniopharyngioma	<b>2</b>
○ Endoscopic Trans Planum Approach for Meningioma	<b>3</b>
○ Endoscopic Clival Chordoma Resection	<b>1</b>

### **Endoscopic Endonasal Procedures Performed by the Fellow in the Ambulatory Clinic**

<b>Procedure</b>	<b>Number</b>
<b>Endoscopic In-office Polypectomies, Biopsies, Cauterizations and Small Benign Tumour Resections</b>	<b>~ 50</b>
<b>Diagnostic Endoscopic Examination (Flexible and Rigid Nasal Endoscopy)</b>	<b>~ 1.500</b>



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## **Academic Work**

### **Presentations:**

- Lecture presentation at the UBC Rhinology Education Forum October 2024: “*Sellar and Parasellar Approaches*”
- Lecture presentation at the UBC Rhinology Education Forum November 2024: “*Powered Instrumentation in ESS*”
- Lecture presentation at the UBC Rhinology Education Forum December 2024: “*Common Pitfalls in Revision Sinus Surgery*”
- Lecture for Clinical skills in Otolaryngology – Head & Neck. Teaching sessions for Medical Students. February 27<sup>th</sup>, 2025.
- Lecture presentation at the UBC Rhinology Education Forum March 2025: “*Skull Base Reconstruction Techniques*”
- Lecture presentation at the UBC Rhinology Education Forum April 2025: “*The Histo-Endoscope: The Endoscope as an Important Tool in Characterizing Epithelial Health*”



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- Lecture presentation at the annual PG Doyle Lectureship and Research Day, Department of Otolaryngology, University of British Columbia. Vancouver, Canada. April 26th, 2025: *“Spinal accessory nerve impairment during neck dissection surgery – preliminar results for a new surgical modification to prevent nerve damage”*
- Lecture at the Otolaryngology Grand Rounds. Department of Otolaryngology, University of British Columbia. Vancouver, Canada. May 7th, 2025: *“Frontal Sinus Surgery: Basic Rules and Key Strategies for Success”*
- Participated in the development of the lecture for the European Rhinology Society Annual Meeting in June 2025 in Budapest, Hungary, delivered by Dr. Janjua an titled as following: *“The Role of Prolonged and Ultra-Prolonged Silastic Stenting in Enhancing Sinus Surgery Outcomes: Safety and Efficacy Analysis”*
- Lecture presentation at the UBC Rhinology Education Forum June 2025: *“Techniques to Minimizing Failures in Image-Guided Surgery”*



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- Lecture presentation at the UBC Rhinology Education Forum October 2025: *“Innovative concepts in Rhinology: A Year in Review”*

## **UBC Sinus & Skull Base Cadaveric Lab**

- Dr. Bazan participated in the workshop of the cadaveric laboratory of Rhinology for Fellows and Residents of the University of British Columbia. November 2024 and May 2025 cadaver dissections courses were successfully organized in the facilities of CESEI (Center of Excellence for Surgical Education and Simulation) of the Vancouver General Hospital.

## **Courses - Meetings:**

- **Rhinoacademy – Integrating Biologics and Advanced Surgical Skills to Optimize Outcomes for CRSwNP Patients**, on September 6th to 8th, 2024 in Toronto, ON, Canada.
- **Modern Rhinology Workshop (2024 Edition)**: hosted by Medtronic on December 2nd to 5th, 2024 in their headquarters in Jacksonville, Florida, USA.



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- **13th Annual Seattle Otology & Rhinology Course (SOAR)**  
March 6 - 8, 2025, in Seattle, Washington, USA.
- Junior Faculty: **Rhinoacademy – Integrating Biologics and Advanced Surgical Skills to Optimize Outcomes for CRSwNP Patient** on Friday, May 23<sup>rd</sup> to Sunday, May 25<sup>th</sup> 2025 in Toronto, Canada.
- **Skull Base Summer Workshop Course of the North American Skull Base Association. Lectures and Lab Dissection.** New Orleans, USA. August 14<sup>th</sup> - 17<sup>th</sup> 2025.



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## RESEARCH PROJECTS

Project	Status
<p><b>Impact of Short-Course Prednisone on Inflammatory Predominance of Nasal Polyps in Chronic Rhinosinusitis: A Pilot Study</b></p>	<p>Pending Submission to the International Forum of Rhinology and Allergy</p>
<p><b>The safety and efficacy of prolonged and ultra-prolonged silastic stenting in sinus surgery</b></p>	<p>Pending Submission to the International Forum of Rhinology and Allergy</p>
<p><b>Longus colli calcific tendinitis: A systematic review on current trends in management and treatment</b></p>	<p>Pending Publication in the Indian Journal of Otolaryngology and Head &amp; Neck Surgery</p>
<p><b>Multicenter Study safety and efficacy of prolonged and ultraprolonged Silastic</b></p>	<p>Ongoing</p>



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<b>stenting in advanced aeration surgery</b>	
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Fellowship Director:

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

Arif Janjua, MD FRCSC

Clinical Professor

Rhinology, Endoscopic Sinus & Skull Base Surgery

Division of Otolaryngology - Head & Neck Surgery

University of British Columbia