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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  
JAVIER ANDRES OSPINA DIAZ M.D**

**Summary Log of Clinical and Academic Activity during the Fellowship Year  
July 1<sup>st</sup>, 2015 – August 31<sup>st</sup>, 2016**

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<b>Total of Endoscopic Endonasal Surgeries involved as primary surgeon or surgical assistant</b>	<b>320</b>
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**Endoscopic endonasal surgery for Inflammatory conditions**

<b>Procedure</b>	<b>Number</b>
<b>Endoscopic Nasal, Septal and Sinus Surgery</b>	
Computer Assisted Endoscopic Sinus Surgery	
For Sino-Nasal Inflammatory Conditions:	
<ul style="list-style-type: none"> <li>• Chronic Rhinosinusitis with Polyps</li> <li>• Chronic Rhinosinusitis without Polyps</li> <li>• Allergic Fungal Sinusitis</li> <li>• Recurrent Acute Sinusitis</li> <li>• Invasive fungal sinusitis</li> <li>• Non Invasive fungal sinusitis (Fungal balls, AFS)</li> <li>• Granulomatous Diseases</li> <li>• Antrochoanal Polyps</li> <li>• Mucoceles</li> <li>• Silent Sinus Syndrome</li> </ul>	211
Primary Endoscopic Sinus Surgery	142
Revision Endoscopic Sinus Surgery	69
Endoscopic Septoplasty/Nasal Septal Reconstruction) +/- inferior turbinate reduction ( <i>as a part of ESS or as a separate procedure</i> )	116
Endoscopic Sphenopalatine Artery ligation and Anterior ethmoidal artery ligation for epistaxis	5



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## Endoscopic endonasal surgery for Tumours and Skull Base pathologies.

Procedure	Number
<b>Endoscopic Sinonasal tumour resections</b>	
<b><i>Benign Sinonasal Tumours</i></b>	
<ul style="list-style-type: none"><li>• Inverted Papilloma</li><li>• Condro-osseous tumours</li><li>• Fibro-osseous tumours</li><li>• Nasoangiofibroma</li><li>• Angioma</li><li>• REAH (<i>Respiratory epithelial adenomatoid hamartoma</i>)</li><li>• Schwannoma</li></ul>	36
<b><i>Malignant Sinonasal Tumours</i></b>	
<ul style="list-style-type: none"><li>• SNUC (<i>Sinonasal Undifferentiated Carcinoma</i>)</li><li>• Squamous Cell Carcinoma</li><li>• Mucosal Melanoma</li><li>• Adenocarcinoma</li><li>• Esthesioneuroblastoma</li><li>• Nasopharyngeal Carcinoma</li></ul>	



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### **Skull Base Approaches**

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Endoscopic Trans-Sphenoidal Pituitary Tumour resection	
- Non- functional Macroadenoma (24).	
- Macroadenoma + ICA aneurysm clipping (1).	34
- Functional – Cushings, Acromegaly (9).	
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Endoscopic Trans-Planum Approach for Craniopharyngeoma	4
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Endoscopic Clival Chordoma Resection and clival tumours	4
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Endoscopic Transplanum approach for olfactory groove meningiomas	3
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Endoscopic Craniofacial resection (eCFR)	5
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Endoscopic-assisted Craniofacial Resection (e-aCFR)	3
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Spontaneous CSF Leak repair (Cribriform and Lateral recess sphenoid)	2
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Endoscopic Transpterygoid approaches for Tumours (for JNAs, NPCs, SCCs)	5

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**Endoscopic endonasal procedures performed by the fellow (as primary surgeon) in the Operating Room**

<b>Procedure</b>	<b>Number</b>
<b>Endoscopic Sinus Surgery</b>	
• Ethmoidectomies (anterior AND posterior)	174
• Maxillary antrostomies	162
• Frontal sinusotomies (Draf 2a/2b)	169
• Frontal sinusotomies (Draf 3)	4
• Sphenoidotomies	132
• Nasoseptal Reconstruction	48
<b>Endoscopic Tumour and Skull Base surgeries</b>	
• Endoscopic Tumour resection	18
• Nasoseptal flap for skull base reconstruction	22
• Rostrectomy	23
• Endoscope 'Driving' during Skull Base tumour resection – 4 hand technique with Neurosurgeon	33



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• Endoscopic Medial Maxillectomy	8
• Pterygopalatine Fossa Dissection	3

**Endoscopic endonasal procedures performed by the fellow (as primary surgeon) in the ambulatory clinic**

<b>Procedure</b>	<b>Number</b>
• Endoscopic in-office Polypectomy, Endoscopic endonasal biopsies, cauterizations and small benign tumour resections.	73
• Diagnostic Endoscopic Examination (flexible and rigid endoscopy)	~1.500



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**Academic Activities - Fellowship Year**  
**JAVIER ANDRES OSPINA DIAZ M.D**  
July 1<sup>st</sup>, 2015 – August 31<sup>st</sup>, 2016

**Presentations:**

- Podium presentation at the 26th Annual Meeting of the North America Skull Base Society in Phoenix, Arizona. February 12th, 2016: *Endoscopic Craniofacial Resections and Endoscopic-assisted Craniofacial Resections for locally advanced anterior skull base Tumours. Early experience of a tertiary referral Centre in Canada.*
- Otolaryngology Grand Rounds. Department of Otolaryngology, University of British Columbia. March 20th, 2016: *Endoscopic Endonasal Resection of sinonasal tumors.*
- Resident lessons. Department of Otolaryngology, University of British Columbia March 2016. *Management of tumours of the nose and paranasal sinuses.*
- Active participation with case presentation and literature review in Rhinology Rounds - first Wednesday of every month.
- Clinical skills in Otolaryngology head and neck surgery. January 26<sup>th</sup>, 2016. 2 hour didactic and hands on teaching sessions for 2nd year medical students.



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**Awards:**

- First place in the category: Best Research presentation by a Fellow, P.J. Doyle Research evening. Vancouver, Canada. May 6th, 2106.

**Courses - Meetings attended:**

- Current techniques in Endoscopic Sinus and Skull Base Surgery Course. July 29-30th, 2016. Vancouver, Canada.
- 7th World congress for endoscopic surgery of the skull and brain (Endochicago). Chicago, USA, May 15-18 , 2016.
- Sustainable high performance in surgery. St Paul's Hospital. Vancouver. Canada. May 7th, 2016
- 26th Annual Meeting of the North America Skull Base Society (NASBS) in Phoenix, Arizona. February 12th, 2016





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**Research Activities - Fellowship Year**  
**JAVIER ANDRES OSPINA DIAZ M.D**  
 July 1<sup>st</sup>, 2015 – August 31<sup>st</sup>, 2016

Project	Status
Silastic “Spring spacers” for use following ESS.	Submitted – publication pending
Beneficial healing effect of silastic sheeting on exposed cartilage following nasoseptal flap.	Submitted – publication pending
Endoscopic assisted and endoscopic craniofacial resection for advanced sinonasal tumors.	Manuscript completed - Ready for submission.
Book Chapter: Endoscopic Sinus Surgery, concepts, indications and techniques.	Ongoing – Manuscript preparation.
Pictorial review in fungal Rhinosinusitis	Ongoing – Manuscript preparation.
The effect of preoperative depression in CRS – examining the magnitude of improvement in QoL after ESS.	Ongoing – Manuscript preparation.
Multicenter study high vs low volume saline irrigations after ESS	Ongoing (patient recruitment). Transitioned to subsequent fellow.
Silastic sheeting following nasoseptal flap – randomized study	Ongoing (patient recruitment). Transitioned to subsequent fellow.



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Use of a CT review Tool for ESS	Ongoing (participant recruitment)
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Fellowship Director:

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

Arif Janjua, MD FRCSC  
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