

Table 1: Baseline Demographic Characteristics of the studied patients:

<b>Variable</b>	<b>Category</b>	<b>n = 21</b>
<b>Age in years</b>	• <b>Mean ± SD</b>	39.76 ± 12.1
	• <b>Median (Range)</b>	38 (20 – 66)
<b>Sex</b>	• <b>Male</b>	13 (61.9%)
	• <b>Female</b>	8 (38.1%)

**Table 2: Clinical Presentation of the studied patients:**

<b>Segment</b>	<b>n = 21</b>
<b>Preoperative clinical presentation</b>	
• Deterioration of Vision	3 (14.3%)
• Headache	6 (28.6%)
• Headache + Deterioration of Vision	9 (42.9%)
• Headache + Nasal Obstruction	2 (9.5%)
• Headache + Nasal Obstruction + Diplopia + Squint	1 (4.8%)
<b>Postoperative improvement of pre-operative symptoms</b>	
• Yes	19 (90.5%)
• No	2 (9.5%)

**Table 3: Ophthalmological assessment and hormonal assay of the studied patients:**

<b>Segment</b>	<b>n = 21</b>
<b>Preoperative Ophthalmological Evaluation</b>	
• Abnormal	13 (61.9%)
• Normal	8 (38.1%)
<b>Postoperative Ophthalmological Evaluation</b>	
• Improved/Recovered	11 (85%)
• Not Improved	2 (15%)
<b>Preoperative Hormonal Evaluation</b>	
• Normal	18 (85.7%)
• High ACTH	1 (4.8%)
• High Prolactin	2 (9.5%)
<b>Post-operative Hormonal Evaluation</b>	
• Normal	18 (85.7%)
• Decrease in ACTH	1 (4.8%)
• Dramatic Decrease in Prolactin	2 (9.5%)

**Table 4: Surgical Data of the studied patients:**

<b>Segment</b>	<b>n = 21</b>
<b>Surgical Approach to Sphenoid Sinus</b>	
• Trans-nasal	21 (100%)
<b>Inter-Sphenoid Septum Removal</b>	
• Yes	15 (71.4%)
• No	6 (28.6%)
<b>Use of Hadad Flap Technique</b>	
• Yes	10 (47.6%)
• No	11 (52.4%)
<b>Approach Laterality</b>	
• Unilateral	7 (33.3%)
• Bilateral	14 (66.7%)

**Table 5: Postoperative complications of the studied patients:**

<b>Segment</b>	<b>n = 21</b>
<b>Postoperative Complication</b>	
• Yes (Blindness)	1 (4.8%)
• No	20 (95.2%)

**Table 6: Postoperative histopathology of the studied patients:**

Segment	n=21
<b>Postoperative histopathology:</b>	
• Non-secretory pituitary adenoma	7 (33.3%)
• Secretory pituitary adenoma	<ul style="list-style-type: none"> <li>▪ Prolactin 2 (9.5%)</li> <li>▪ ACTH 1 (4.8%)</li> </ul>
• Sphenoid sinus mucocele	4 (19%)
• Spheno-choanal polyp	<ul style="list-style-type: none"> <li>▪ Right 1 (4.8%)</li> <li>▪ Left 1 (4.8%)</li> </ul>
• Sphenoid sinus mass	<ul style="list-style-type: none"> <li>▪ Granulomatous lesion. 1 (4.8%)</li> <li>▪ Neoplasm 1 (4.8%)</li> </ul>
• Isolated sphenoid sinus fungal sinusitis	2 (9.5%)
• Isolated left sphenoditis	1 (4.8%)

**Table 7: Postoperative radiological evaluation and follow-up:**

<b>Segment</b>		<b>n = 21</b>
<b>Postoperative MRI residual lesion</b>		
• Yes	▪ Minimal Lesion (1*1 cm)	2 (9.5%)
	▪ Very Minimal Lesion (5*5 ml)	2 (9.5%)
• No		17 (81%)
<b>Recurrence</b>	• Yes	1 (4.8%)
	• No	20 (95.2%)