

# Results of treatment of vascular tumors of head in city hospital #

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# Outline

- 1. Data of tumors worldwide
- 2. Data of tumors in Kz- types and its spread
- 3. Case of hemangioma of nasal cavity ( angiography, ct scan, name of main artery)
- 4. Case of vascular tumor of temporal bone (nothing)

<b>Vascular Malformations</b>	<b>Vascular Tumors</b>
Capillary malformation	Hemangioma
Venous malformation	Carotid body tumor
Lymphatic malformation	Glomus jugulare tumor
Arteriovenous Malformation	Juvenile nasopharyngeal angiofibroma
Mixed type lesion	

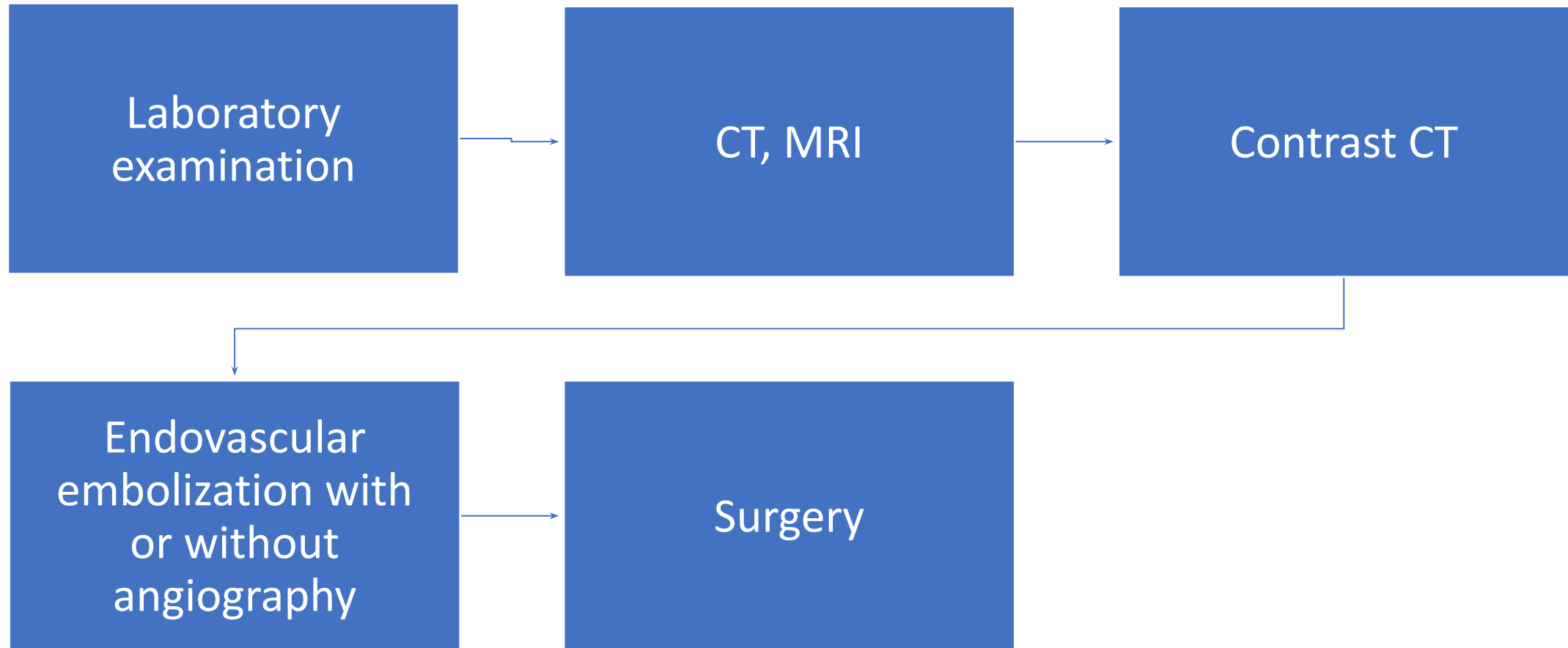
Mulliken and Glowacki  
 Mulliken JB, Glowacki J. Hemangiomas and vascular malformations in infants and children: a classification based on endothelial characteristics. *Plast Reconstr Surg* 1982;69(3):412–22

- Paragangliomas account for 0.6% of all neoplasms in the head and neck region and 0.03% of all neoplasms.<sup>43</sup> Women are affected four to six times more often than men, and most paragangliomas are diagnosed

# Data of vascular tumors in our ENT department

Number of cases	12
1 Hemangioma	<b>60% (7)</b>
2 Glomus tumors	<b>55%(6)</b>
3 Juvenile angiofibroma	<b>40%(3)</b>

# Adapted scheme of diagnosis and treatment

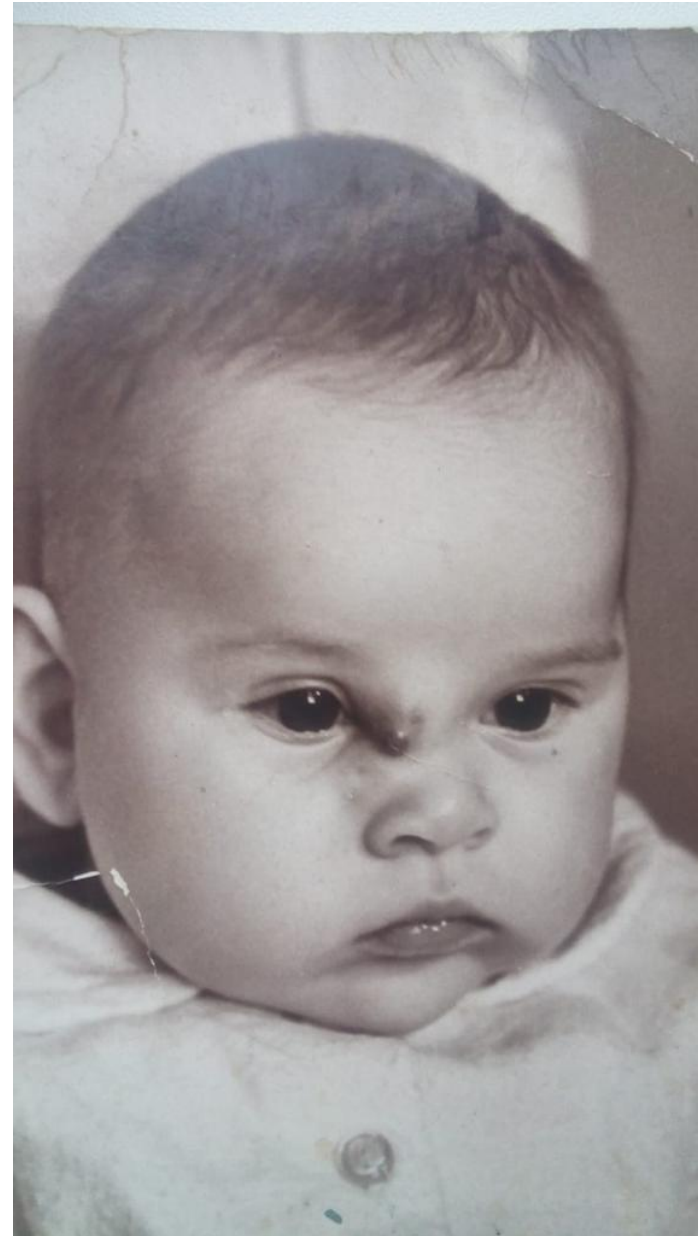


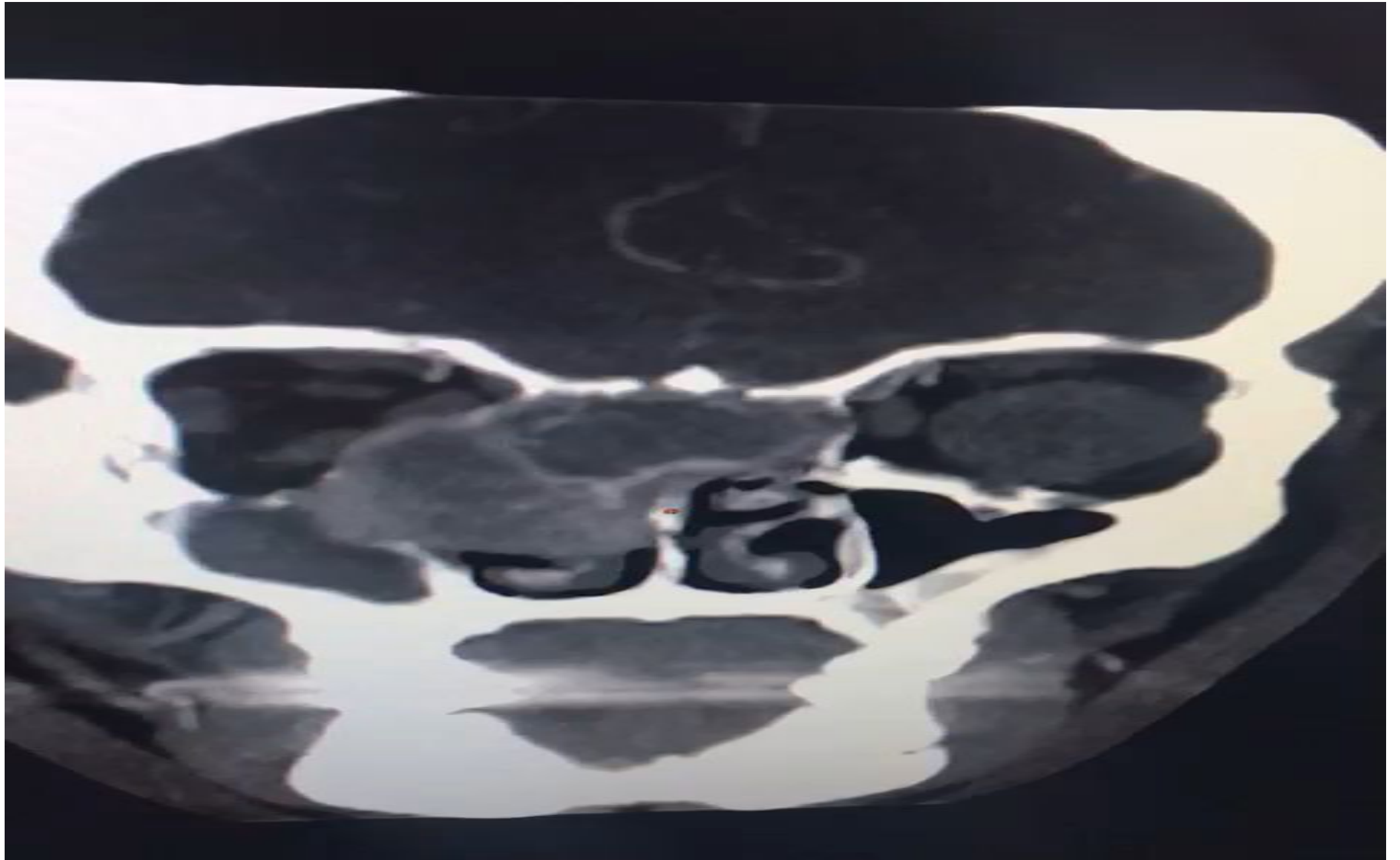
# Case report #1

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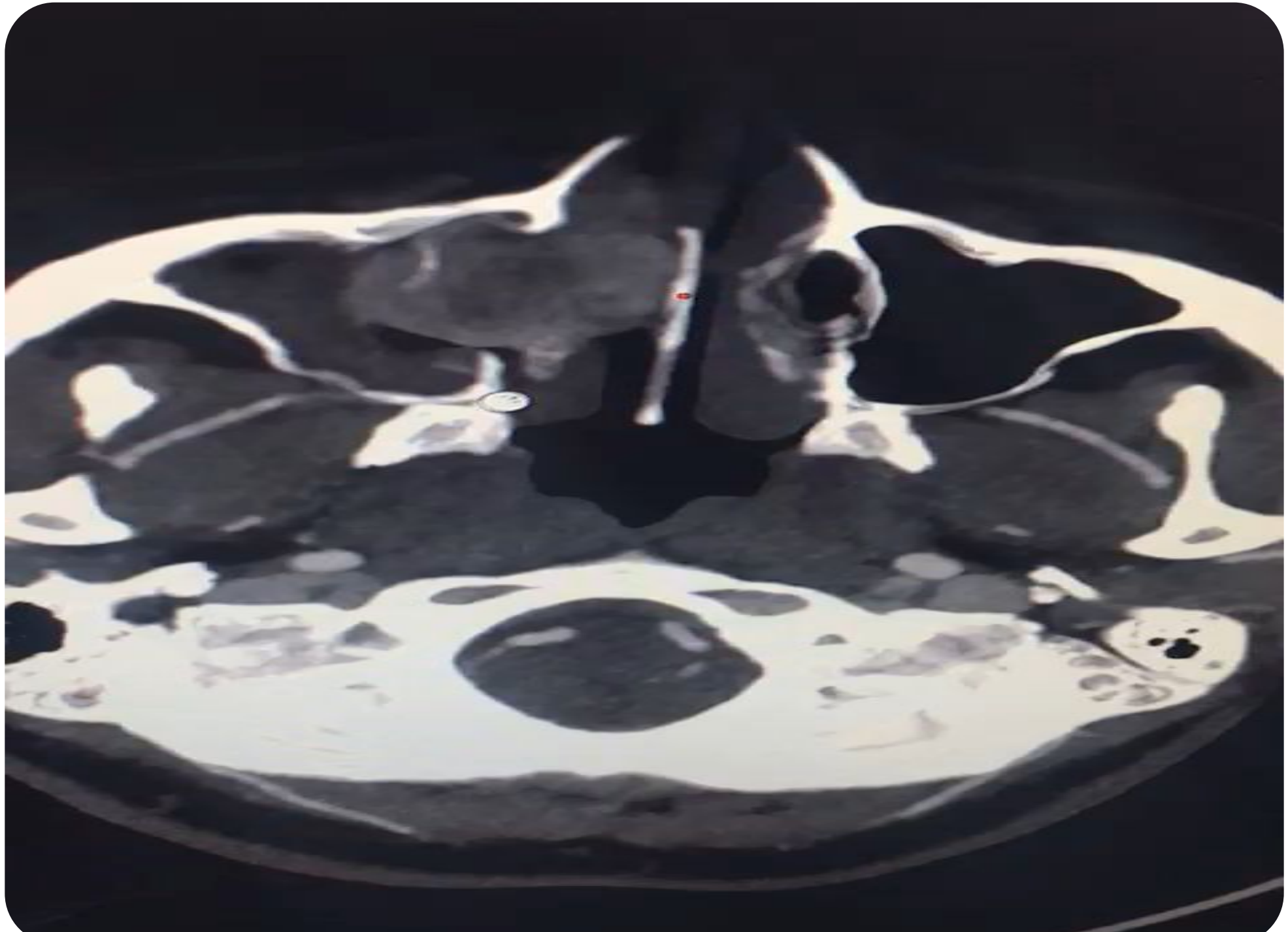
Women, 36 years old with history  
of removal hemangioma in the  
childhood

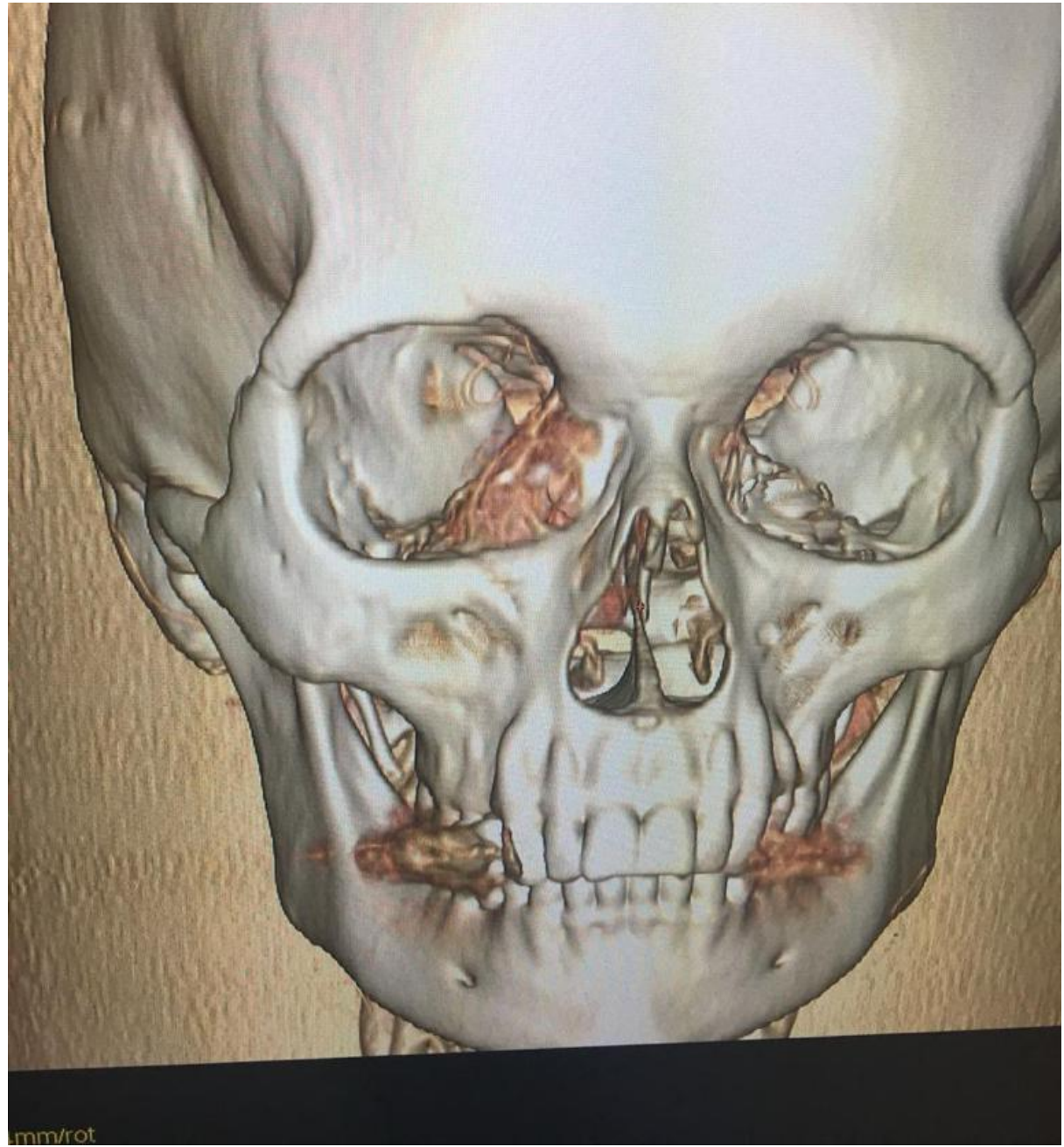
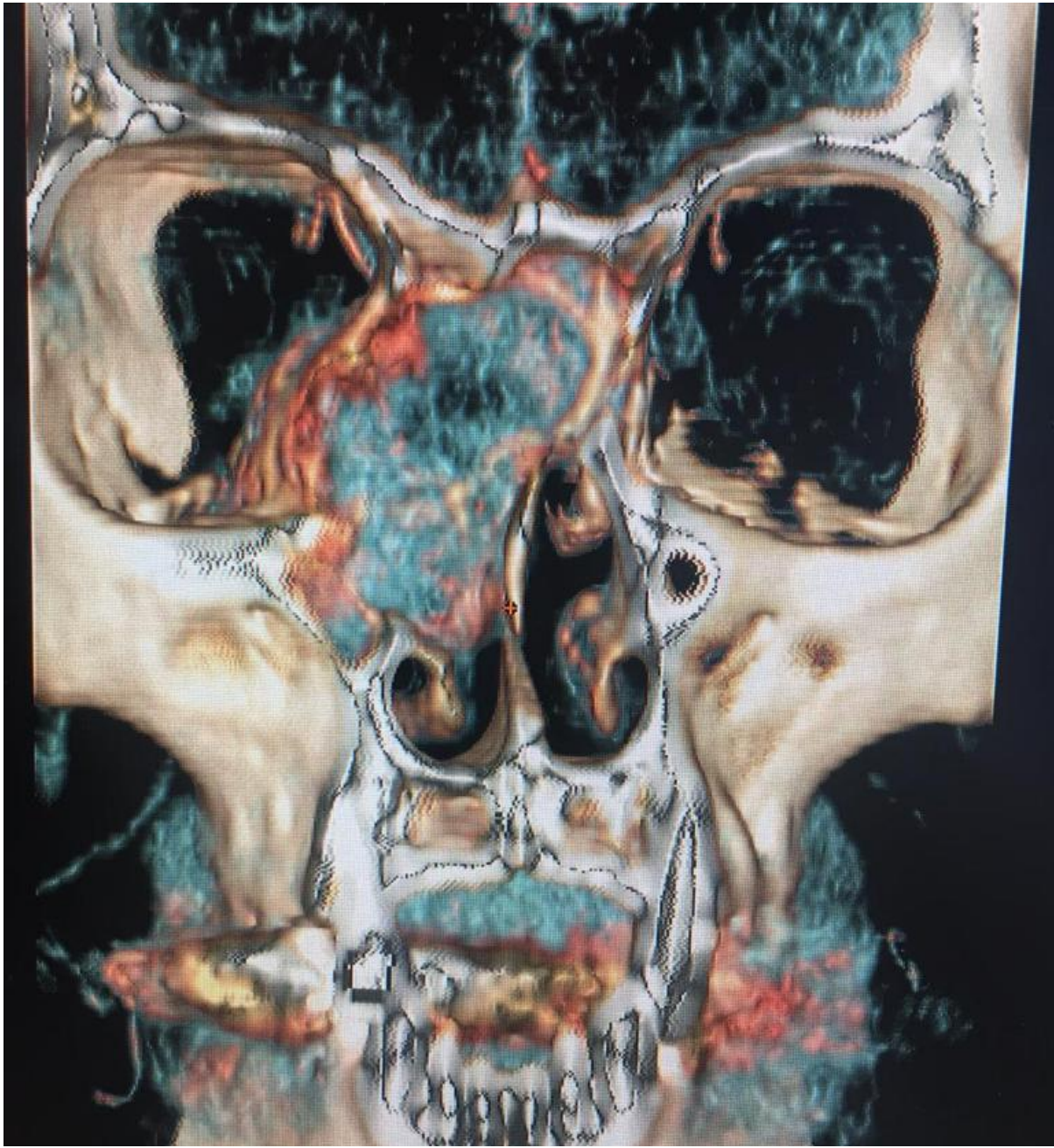
Complaints:



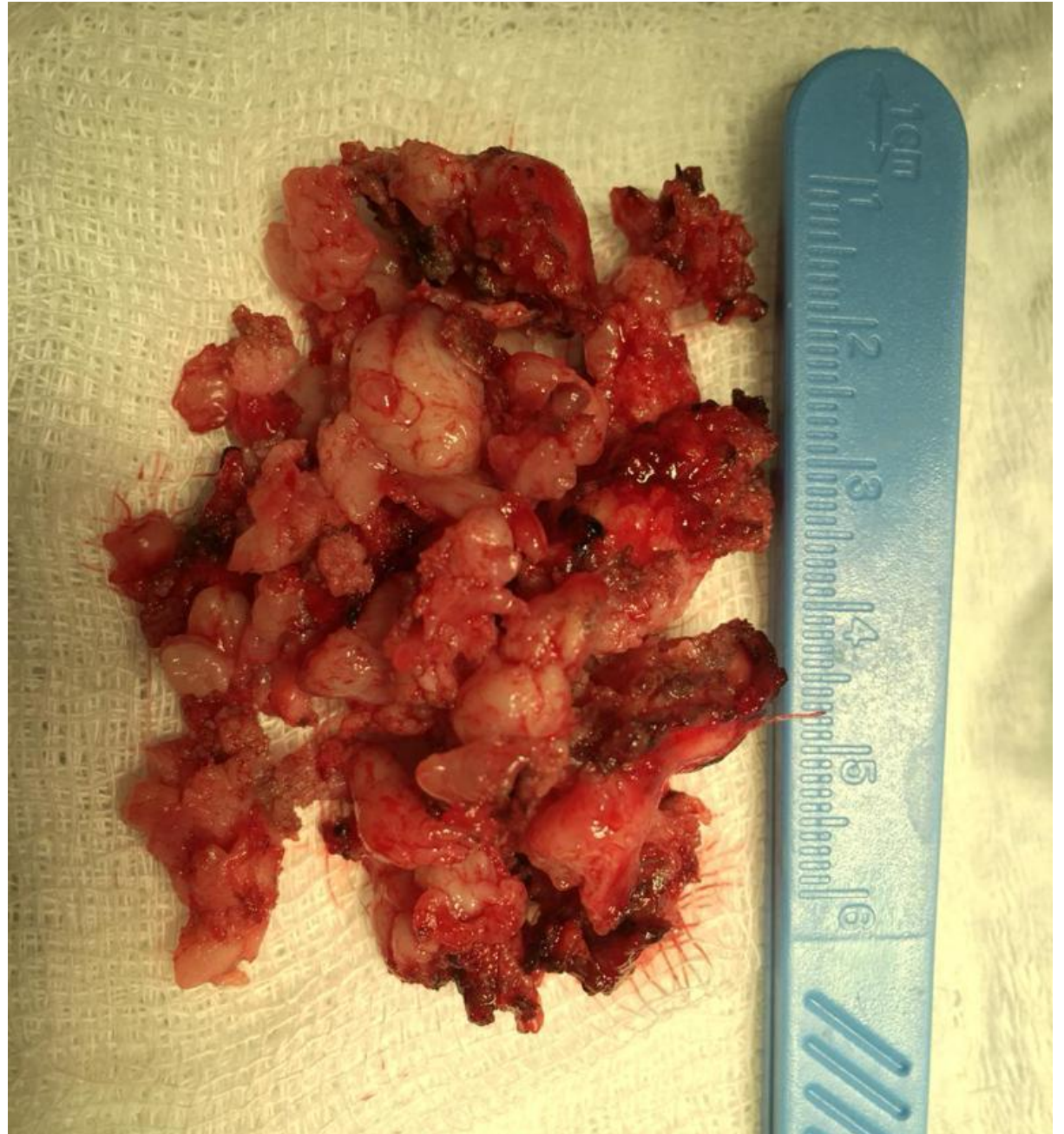
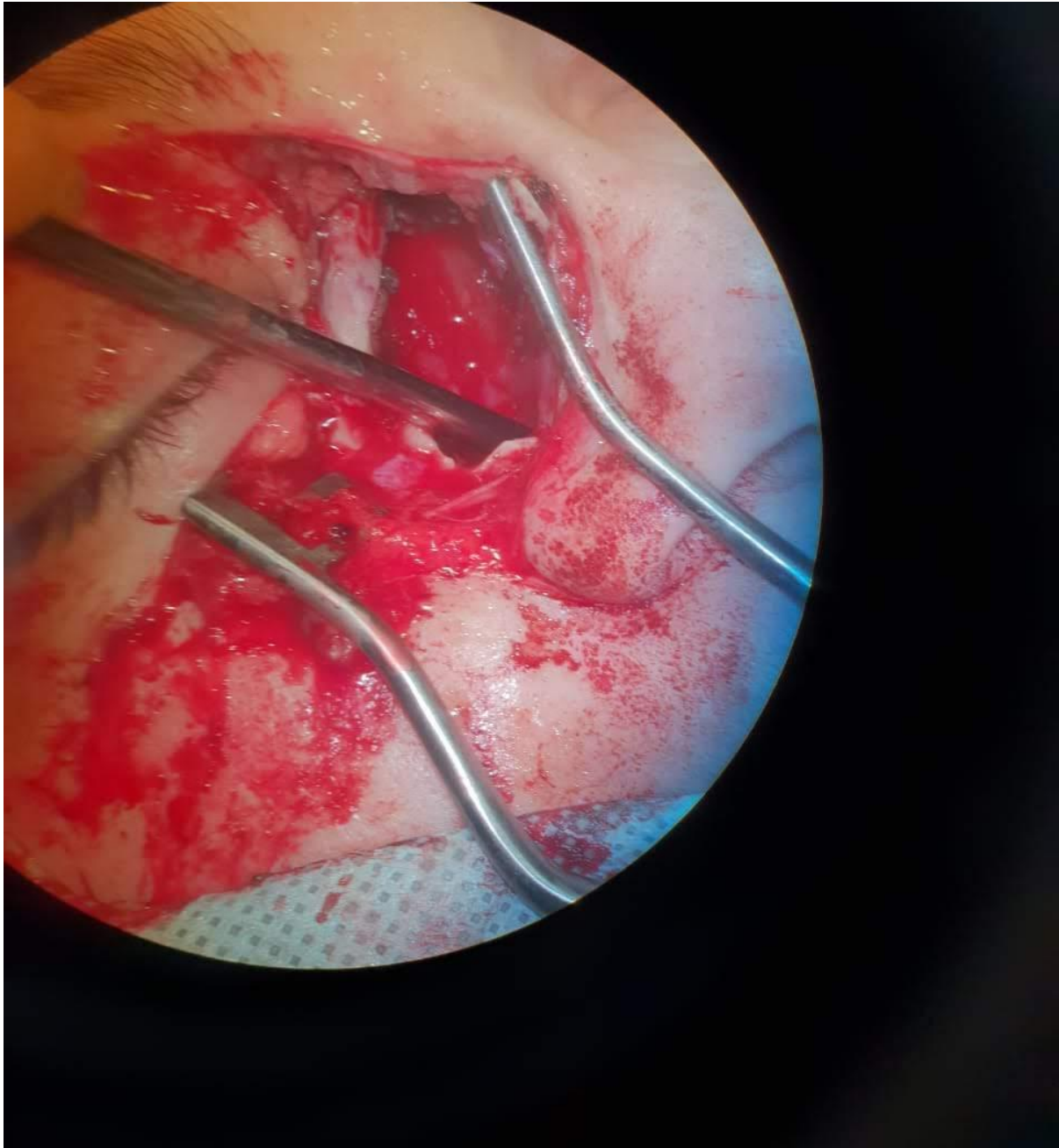








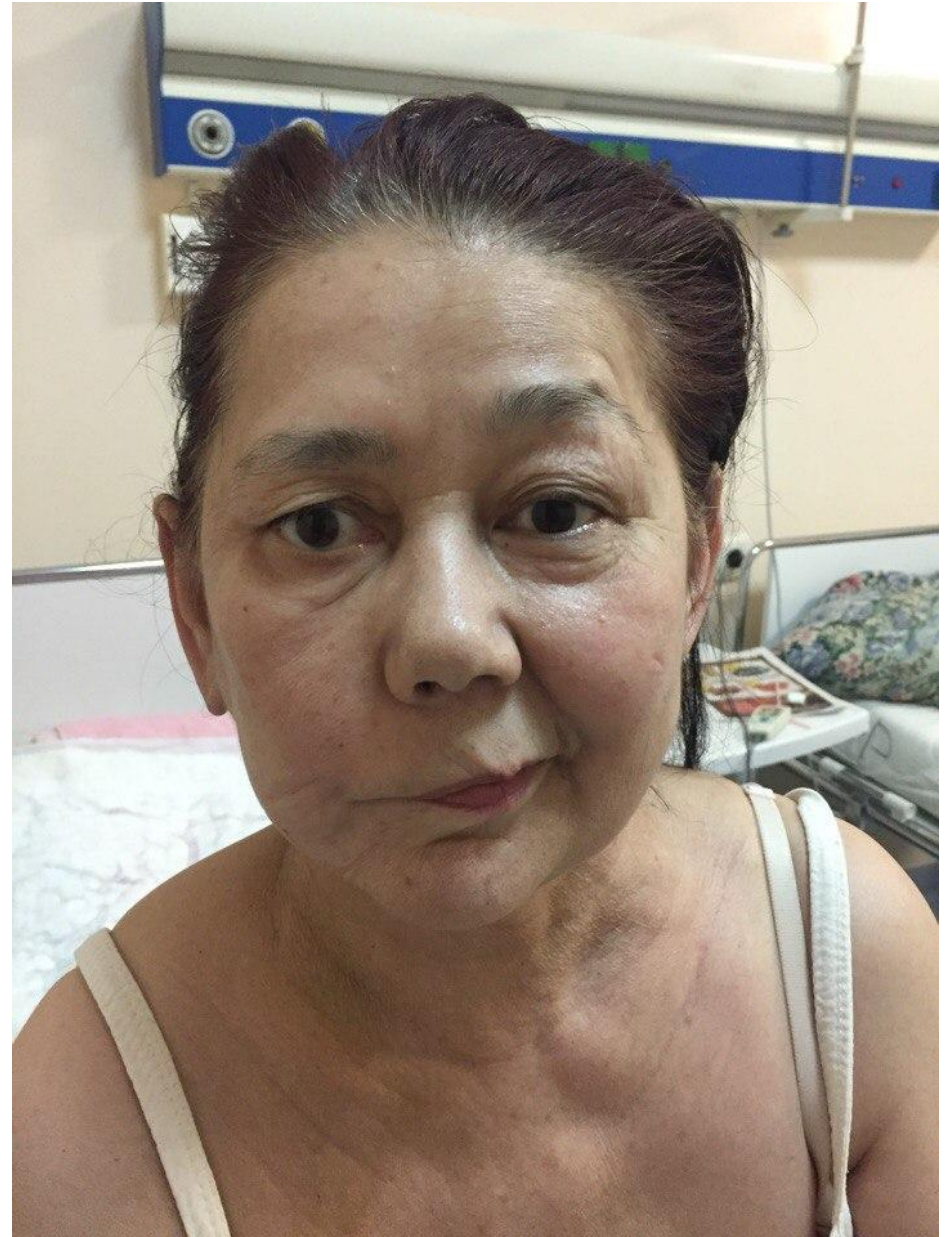






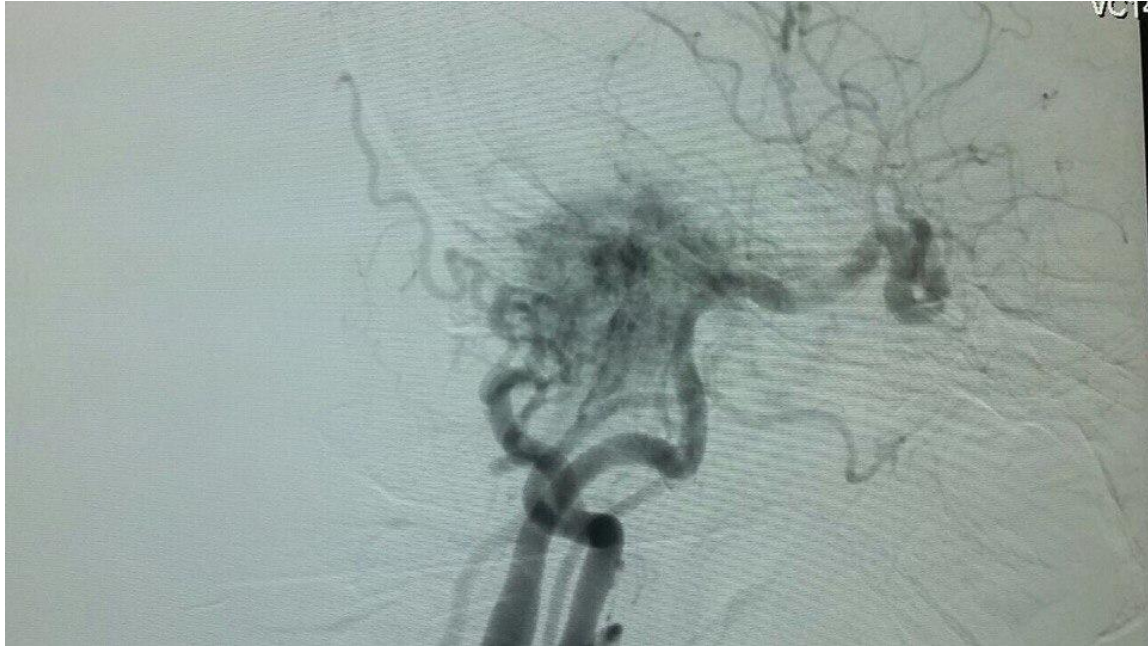
Case report  
#2: glomus  
tumor of  
temporal bone

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# First stage-embolization of main vessels

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before



after



229mm





# Conclusions

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- 1. Using modern technologies such as contrast CT scan allowed to visualize the borders of tumors
- 2. Application embolization as first stage of treatment allowed to decrease intraoperational hemorrhage
- 3. All abovementioned allowed to remove all the pathologic tissue



Thank you for your  
attention!