

Patient Name		ID No	
Exam Type	MRI SINUSES	Exam Code	70540
Exam Date	29/10/2021	DoB	
GESY Reg No		GESY Ref No	

MRI OF THE PARANASAL SINUSES WITH I.V CONTRAST

TECHNIQUE:

The examination was conducted on a SIEMENS MAGNETOM Avanto 1.5 T scanner. Multiplanar multisequence magnetic resonance images through the face were obtained before and after the uneventful administration of intravenous contrast (Gadolinium).

FINDINGS:

Comparison is made with the images of an MRI scan performed on the 16/07/2021. Post-operative changes after tumour resection associated with diffuse oedematous changes of the soft tissues, mainly the lateral and medial pterygoid muscles, the masseter and buccinator muscles on the right side. There appears to be a defect at the inferior wall of the right maxillary sinus that involves a portion of the maxilla. Status-post resection of the medial wall and the right inferior nasal concha. The right maxillary sinus contains a well-circumscribed T2-hyperintense material attached to its anterior wall and extends superiorly into the ethmoid sinus on the right side. This exhibits peripheral enhancement in the post-contrast images and most probably represents mucosal swelling, related to the surgical procedure. There is mucosal thickening under the floor of the right orbital cavity, without convincing evidence of an intraorbital extension. There is an extensive fluid accumulation in the right mastoid region.

CONCLUSION:

- First post-operative follow-up after tumour resection.
- The diffuse signal alterations in the soft tissues described above probably represent post-operative changes.
- There is an extensive mucosal swelling in the right maxillary sinus that extends into the right ethmoid sinus and is probably related to the surgical procedure. There is no convincing evidence of a malignant tissue remnant.
- Follow-up is advised.

Dr. Georgios Markides, MD
Diagnostic Radiology Consultant

