

## MRI FACE - ORBITS

PATIENT NAME			
HIS ID		GESY REGISTRY NO	
EXAMINATION DATE	05-01-2023(14:23)	GESY REFERRAL NO: 53185509 EXAM CODE: 70540 EXAM DESCRIPTION: Magnetic resonance (eg, proton) imaging, orbit, face, and/or neck; without contrast material(s)	
DATE OF BIRTH			
POLICE ID			

*Enhanced MRI face and orbits protocol with iv contrast administration.*

*Clinical indication: Surgical excision of myofibroblastic tumour of the right maxillary sinus. Radiotherapy.*

*Follow-up study and comparison with the previous MRI exam dated 02/11/2022.*

### FINDINGS

*Compared to the previous MRI exam there is partial, mild regression of the diffuse oedema in the right orbit (mainly involving the lateral extraconal and intraconal compartments), in the periorbital region, in the temporal muscle, in the masseter and buccal spaces on the same side.*

*Even milder enhancement of these, radiation-induced inflammatory changes is noted. Evidence of successive size progression of a non-enhancing, most likely necrotic lesion involving the right inferolateral orbital wall with max diameter 23mm, appearing much smaller on the last MRI scan 11/2022 and can be barely detected on the next previous MRI scan 08/2022. Presence of minimal gas bubbles in this lesion which extends in the adjacent lateral extraconal space of the orbit.*

*Unchanged postoperative changes in the right maxillary sinus with known patent oroantral communication.*

*No evidence of tumour recurrence among the remaining walls of the maxillary sinus or at the remaining sinonasal cavities.*

*There is even successive regression of the nodular enhancement due to perineural tumoral spread among the V2, V3 branches of the right trigeminal nerve at the skull base, in the pterygopalatine fossa and Vidian's canal on the same side.*

*Unchanged thin, linear enhancement of the right frontotemporal dura likely of reactive nature and unchanged inflammatory enhancement of the right anterior clinoid process.*

*No brain metastases are detected.*

*No evident lymphadenopathy in the upper neck.*

*Unchanged secretions in the mastoid cells right.*

### CONCLUSION

*1. No evidence of tumour recurrence in the sinonasal cavities.*

*2. Partial regression of the perineural tumoral spread among the cranial nerves V2, V3 and among the pterygoid nerve right.*

*3. Partial regression of the radiation-induced, diffuse inflammation involving the orbit, periorbital and periantral soft tissues on the right.*

*4. Signs indicating focal osteoradionecrosis (ORN) of the inferolateral orbital wall on the right, successively progressing since the previous, post-radiotherapy MRI exams.*

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*(The report has been electronically signed), 10-01-2023 17:05*