UT Southwestern Department of Radiology

Protocol Name: CT Maxillofacial - With Contrast
Epic Button: Max/Face With
Orderable Name: CT MAXILLOFACIAL W IV CONTRAST
Indications: Infection, sinusitis, eye pain, mucocele, dental abscess
 # Acquisitions: 1

Adult Only
CTDIvol < 80 mGy
Active Protocol

Oral Contrast: None

IV Contrast: Link to Contrast Information
Rate (ml/sec): 3
Volume (ml): 70
IV Access:
Power injection: 20g or larger strongly prefered (if 22g use reduce rate to 2.5 mL/sec)

Notes:
Saline Test Injection: 10 sec @ injection rate

Other Contrast: None

Airway

Other Notes
No habitus specific kVp adjustment.
Tilt head when prominent dental hardware is visible on localizer. See linked diagram.
Use **Puffed Cheek Technique** (see link) for patients with **gingival, buccal, or oral cavity cancers or lesions**.

Last Change: 12/2/2025 **Last Review:** 12/2/2025 **Links:** Head Tilt Instructions Puffed Cheek Technique

Special Instructions		Do not repeat CT scan, recon soft tissue from 1st acquisition Send volume to TeraRecon
Acq # / Series Name	1 Contrast	N/A Contrast
Phase Timing	110 Sec	N/A
Acquisition Protocol		Recon Only
Coverage	Above the frontal sinus thru the mandible	Same
FOV	All sinus to include nose	Same
Algorithm	Bone	Soft Tissue
Axial Recons	2 mm	2 mm, Volume
Other Planar Recons	2 mm coronal and sagittal	2 mm coronal and sagittal
MIP Recons		
†DECT Philips		
†DECT Siemens		
†PC-CT Siemens		

† When dual energy (DE) or photon counting (PC) CT is used