

JDMI Head and Neck PROTOCOLS - Summary only
(Revised July 2016)

Nasopharynx

- | | |
|----------------------------|--------------------------------|
| 1. Localizer | |
| 2. Sag T1 | |
| 3. Ax T1 | |
| 4. Cor T1 | |
| 5. Ax T2 | (match T1 locs) |
| 6. Cor T2 | (match T1 locs) |
| 7. Ax T2 FS | (frontal sinus to hyoid*only*) |
| 8. OPT- Ax T1 FS post gad | (frontal sinus to epiglottis) |
| 9. OPT- Cor T1 FS post gad | (match T1 pre-gad) |

NOTE I: If gadolinium requested - it is injected after the Flair T1's are done i.e. after series 4. If no gadolinium given, scan series 1-7.

NOTE II - Coverage: Axials - Frontal Sinus to epiglottis, if Neck required - continue axials to sternal notch. Coronals - posterior clinoid to anterior nose (do not clip). *Must cover pathology All axial packages should be bound together in a separate series

Parotid

- | | |
|---------------------------|--------------------------------|
| 1. Localizer | |
| 2. Sag T1 | |
| 3. Ax T1 | |
| 4. Cor T1 | |
| 5. Ax T2 | (match T1 locs) |
| 6. Cor T2 | (match T1 locs) |
| 7. Ax T2 FS | (frontal sinus to hyoid*only*) |
| 8. OPT-Ax T1 FS post gad | (include IAC and Facial nerve) |
| 9. OPT-Cor T1 FS post gad | (match T1 pre-gad) |

NOTE I: If gadolinium requested - it is injected after the Flair T1's are done i.e. after series 4. If no gadolinium given, scan series 1-7.

NOTE II - Coverage: Axials - Frontal Sinus to epiglottis, if Neck required - continue axials to sternal notch. Coronals - posterior mastoid to anterior head mandible.*Must cover pathology All axial packages should be bound together in a separate series

Parathyroid (Coverage is hyoid to carina - all sequences)

1. Localizer
2. Sag T1
3. Ax T1
4. Cor T1
5. Ax T2 (match T1 locs)
6. Cor T2 (match T1 locs)
7. OPT-Ax T1 FS post gad (match T1 ocs)
8. OPT-Cor T1 FS post gad (match T1 locs)

NOTE I: If gadolinium requested - it is injected after the Flair T1's are done i.e. after series 4. If no gadolinium given, scan series 1-7.

NOTE II -All axial packages should be bound together in a separate series

Tongue

1. Localizer
2. Sag T1
3. Ax T1
4. Cor T1
5. Ax T2 (match T1 locs)
6. Cor T2 (match T1 locs)
7. Ax T2 FS (frontal sinus to hyoid*only*)
8. Sag T2 FS
9. Ax Obl T2 (parallel to geniohyoid muscle)
10. Cor Obl T2 (perpendicular to geniohyoid muscle)
11. OPT-Ax T1 FS post gad (rarely - gad. given)
12. OPT-Cor T1 FS post gad (rarely - gad. given)

NOTE I - Coverage: Axials - infraorbital margin to base of epiglottis, if Neck required - continue axials to sternal notch. Coronals - clivus to symphysis of mandible.* Must cover pathology

NOTE II -All axial packages should be bound together in a separate series

Neck

****this is not a protocol on its own - should be done in combination with Nasopharynx or Parotid or Tongue**

VVM - Venous Vascular Malformation **No Gad

1. Localizer
2. Sag T1
3. Ax T1
4. Cor T1
5. Ax T2 FS (match T1 locs)
6. Cor T2 FS (match T1 locs)
7. Sag T2 FS (match T1 locs)

NOTE – Coverage: Axials – Frontal sinus to epiglottis. Coronals – posterior clinoid to anterior nose (do not clip). *Cover pathology

TMJ

1. Localizer
2. Cor SE T1 **3x.5mm**
3. Sag FSE T1 {TSE PD} mouth closed
4. Sag FSE T1 {TSE PD} mouth open

**These protocols done at MSH only.

MSH ENT PROTOCOLS (all sequences 3mm slice / 0 gap)

1. Parotid (No Neck)

18 FOV

Sag T1 localizer

Axial T1 & T2, Axial T2FS & Post Gd FS T1's
To cover cavernous sinus to hyoid bone

Cor T1 & T2 & Post Gd FS T1's
Cover from posterior mastoid to anterior aspect of 1st molar tooth

Option (at Radiologist's discretion):

Coronal T2 FS (for recurrent pleomorphic adenoma)

2. Floor of Mouth (No Neck) (Benign Disease)

16 FOV

Sag T1, T2, Post Gd FS T1
Cover from Lt to Rt medial aspect of mandible

Axial T1, T2, Post Gd FS T1
Cover from inferior maxillary sinus to hyoid

Cor T1, T2, Post Gd FS T1
Cover from posterior aspect of tongue to mental symphysis

3. Sinuses, Central Skull Base (Benign or Central Contained Disease Only), (CSF Leak)

16 FOV

Sag T1, T2, Post Gd FS T1
Cover from Lt to Rt lateral aspects of sinuses

Cor T1, T2, Post Gd FS T1
Cover from posterior clivus to anterior nasal cavity

Axial T1, T2, Post Gd FS T1
Cover from top of frontal sinuses to maxillary dentition

Option (at Radiologist's discretion):

For CSF Leak: narrow (2mm or less).coronal SPACE/ FIESTA