

# UT Southwestern Department of Radiology

Anatomy: **Brain**

- Exams

Sub-Anatomy: **Dynamic Pituitary Fossa/Chiasm (13D)**

- Routine

Coil: **Head Matrix**

SEQUENCE - BASICS				VARIABLE PARAMETERS														
PLANE	SEQ	Slice / Gap (mm)	Misc / Comment	MTX	FOV (cm)	% RFOV	Scan %	Pixel size (mm)	TR	TE	FA/TI	Nex Avg Acq	NS	ETL Turbo Factor	Phase Encode	Scan TIME (min)	Pixel Shift BW-kHz	
<b>ROUTINE</b>																		
AX	DWI	5/0.5		128x128	22													
AX	T2FLAIR	3/0.3	whole head		22													
SAG	T1 Thin Pre	3/0.3	thru Pituitary Fossa		16													
COR	T1 Thin Pre	3/0.3	thru Pituitary Fossa		16													
COR	Dynamic T1 pre + 4-posts	3/0	thru Pituitary Fossa <30s/phase		16													
COR	T1 Thin Post	3/0.3	thru Pituitary Fossa		16													
SAG	T1 Thin Post	3/0.3	thru Pituitary Fossa		16													
COR	T2 Post HiRes	3/0.3	thru Pituitary Fossa		16													
AX	T1 Post	5/0.5	whole head		22													
<b>↓ OPTIONAL ↓</b>																		
COR	T1 Thin Post HiRes	3/0	thru Pituitary Fossa		12				400	9								

**ORDERABLE: MR BRAIN W AND WO CONTRAST.**

**TIPS:**

Inject clinical does of Gd and 20cc flush at 2.0cc/sec.

To rule out Cushing's disease, add COR 2D T1 Post HiRes (FOV=12, 3/0, TR=400, TE=9).