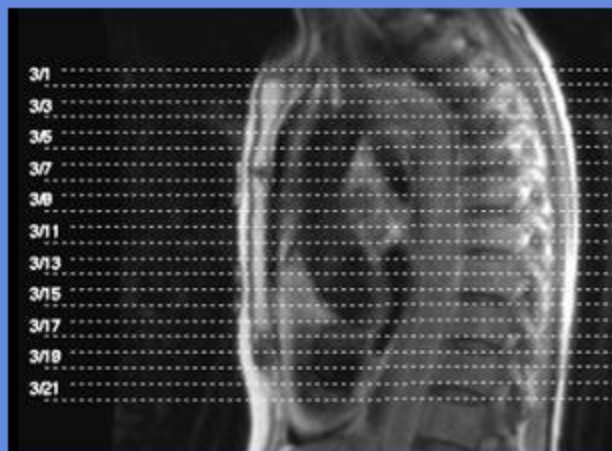


# THORACIC ceMRA

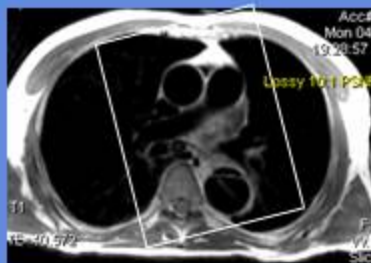
CLINICAL INDICATIONS:		Aneurysm, TOS, Aortic dissection					
parameter	SERIES 1	SERIES 2	SERIES 3	SERIES 4	SERIES 5	SERIES 6	SERIES 7
description	3-PLN LOC	AX BLACK BL00D	sag BLACK BL00D	ceMRA	TOF AX C+		
entry	supine	supine	supine	supine	supine		
position	Feet First	Feet First	Feet First	Feet First	Feet First		
coil	Torso	Torso	Torso	Torso	Torso		
plane	3-PLN	AXIAL	OBL SAG	Sagittal	AXIAL		
pulse seq.	FGRE	DOUBLE IR	DOUBLE IR	3D Vasc TOF SPGR	GRE		
im options		Gat	Gat	z512,z2,fluro	fc,rc,seq,np,z512		
PSD Name							
Te		42	42	Min	9		
TR					18		
TI		auto	auto				
flip angle		20	20	30	60		
ETL							
RBW		62	62	62	15		
SATS							
FOV	25	40	40	38	32		
slice thick	5	8	8	3	10		
spacing	5	0	0		2		
F Phase	256	256	256	256	256		
P Phase	128	256	256	192	256		
NEX	1	1	1	1	4		
Phase FOV	1	0.75	0.75	1	1		
FREQ DIR		R/L	R/L	S/I	R/I		
COVERAGE	Thoracic aorta	Ascending aorta	Aortic arch	Thoracic aorta	Thoracic aorta		
contrast				1mmol/kg	1mmol/kg		
comments:							

# THORACIC ceMRA

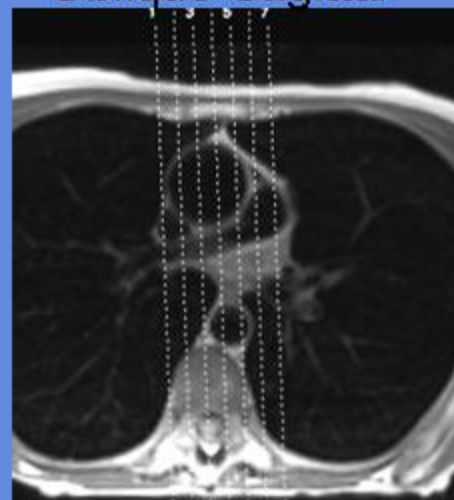
Axial



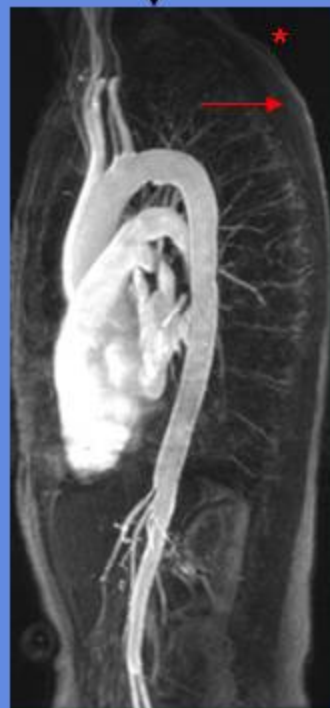
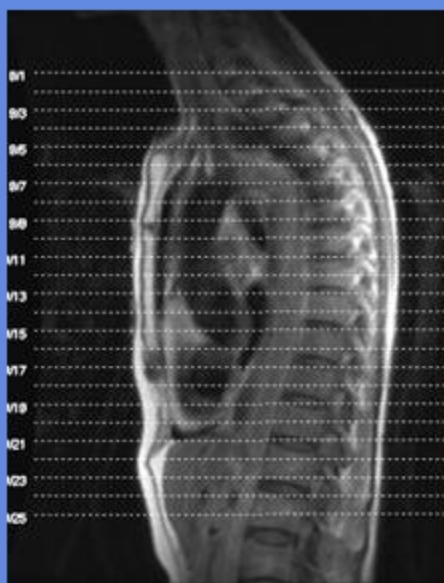
ceMRA



Oblique Sagittal



Axial Post



\* Rotate 23 slices for each Group