

PROTOCOL: MRA RENAL ARTERIES WWO

CLINICAL INDICATIONS/ HISTORY: RENAL ARTERY STENOSIS, FIBROMUSCULAR DYSPLASIA

SCAN ORDER	PLANE	IMAGE CONTRAST / WEIGHTING	MODE	PULSE SEQ	COVERAGE	TR RANGE	TE RANGE	FLIP ANGLE	THICKNESS / GAP (mm)	FOV (cm)	Max Pixel (mm) Fr x Ph	PHASE AXIS	SEND TO PACS	Max scan time (target)
1	COR	T2	2D	SSFSE/ HASTE	ENTIRE ABDOMEN: KIDNEYS, LIVER, PANCREAS, ADRENALS FROM ABOVE DIAPHRAGM TO BIFURCATION OR THROUGH LOWEST KIDNEY	>1000	100	>130	5/1	40	1.0X2.0	RL	FULL SERIES	<18s BH
2	AX	T2	2D	SSFSE/ HASTE	ENTIRE ABDOMEN	>1000	100	>130	5/1	36	1.25X2.25	PA	FULL SERIES	<18s BH
3	AX	T1 DIXON/FLEX IN/OUT/FS	3D	LAVA FLEX/ VIBE DIXON	ENTIRE ABDOMEN	MIN	AUTO	8-15	3-4/OVLP	36	1.25X2.25	PA	IN/OUT/WATER	<18s BH
4	AX	T2*	2D	FIESTA/ TruFISP	ENTIRE ABDOMEN	MIN	MIN	40	5/1	36	1.0X1.75	PA	FULL SERIES	<18s BH
5	AX	T2 FS	2D	FSE/ PROPELLER/ BLADE	ENTIRE ABDOMEN	PER BREATH HOLD	100	>130	5/1	36	1.5X1.5	PA	FULL SERIES	<18s BH
6	COR	T1 CEMRA	3D	VIBE/FSPGR	AORTA FROM DIAPHRAGM THRU BIFURCATION AND BOTH RENAL ARTERIES	MIN	MIN	25	.9-1.1/OVLP	36	1.25X2.0	IS	FULL SERIES	<22s BH
7-8-9+c	COR	T1 CEMRA	3D	VIBE/FSPGR	AORTA FROM DIAPHRAGM THRU BIFURCATION AND BOTH RENAL ARTERIES	MIN	MIN	25	.9-1.1/OVLP	36	1.25X2.0	IS	FULL SERIES+ AX/SPIN MIP/COR MIP AND SUB OF ARTERIAL PHASE	<22s BH 3 PHASE
10+c	AX	T1 DIXON/FLEX IN/OUT/FS	3D	LAVA FLEX/ VIBE DIXON	ENTIRE ABDOMEN	MIN	AUTO	8-15	3-4/OVLP	36	1.25X2.25	PA	WATER	<18s BH