

MRI Elbow

Updated 03/14/19

Reviewed 05/14/25

For an order for without and with IV imaging, please confirm that the exam is not for tumor or arthrogram before proceeding.

Use field-of-view (FOV) and angulations as in the images below

Go to MRIMaster.com for a guide of proper positioning.

Routine Elbow:

Pulse Sequence	PACS Name	plane	fat sat	slice (mm)	gap (mm)	first slice
T1	T1 AX	ax	no	4	0.5	top
STIR	STIR AX	ax	no	4	0.5	top
T1	T1 COR	cor	no	4	0.5	front
T2	T2 FS COR	cor	yes	4	0.5	front
DESS/PD	DESS FS COR / PD FS COR	cor	yes	1	0.0	front
T2	T2 FS SAG	sag	yes	4	0.5	lateral

CONTRAST - 2 mL/sec standard dose gadolinium (0.2 mL/kg Clariscan or 0.1 mL/kg Gadavist) followed by 20 mL saline flush.

T1	T1 FS POST AX	ax	yes	4	0.5	top
T1	T1 FS POST SAG	sag	yes	4	0.5	front

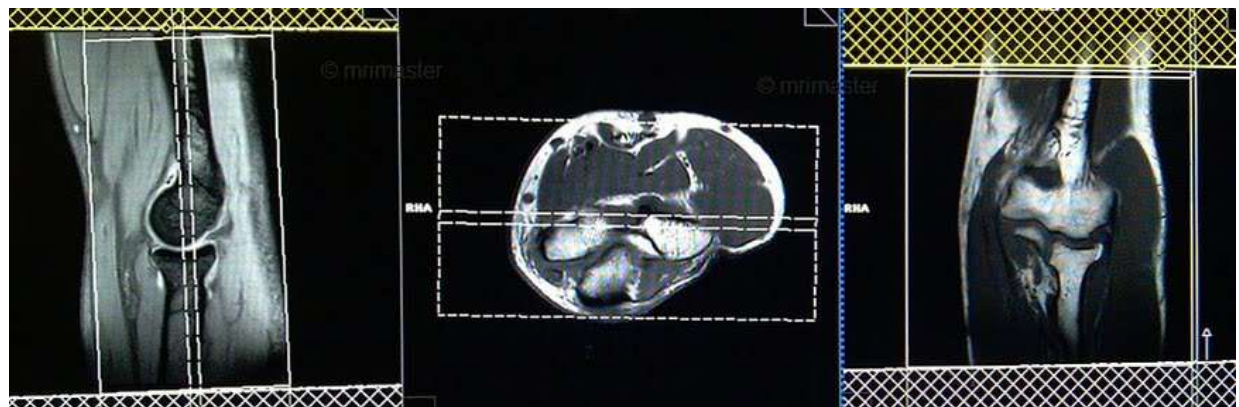
Elbow Arthrogram:

Pulse Sequence	PACS Name	plane	fat sat	slice (mm)	gap (mm)	first slice
T1	T1 FS AX	ax	yes	4	0.5	top
T1	T1 FS COR	cor	yes	4	0.5	front
T1	T1 FS SAG	sag	yes	4	0.5	lateral
T1	T1 COR	cor	no	4	0.5	front
T2	T2 FS COR	cor	yes	4	0.5	front

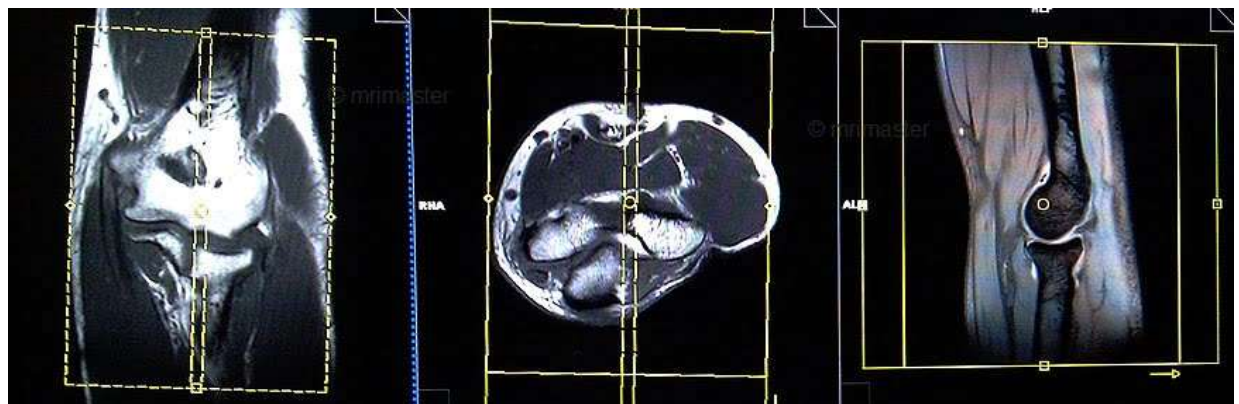
MRI Elbow



axial FOV and angulation (parallel to the medial and lateral humeral epicondyle in the coronal plane)



coronal FOV and angulation (parallel to the medial and lateral humeral epicondyles in the axial plane)



sagittal FOV and angulation (perpendicular to the medial and lateral humeral epicondyles in the axial plane)