

MSK PROTOCOLS

NOV 2017

<u>PROTOCOL</u>	<u>SEQUENCE</u>	<u>FOV</u>	<u>TE</u>	<u>TR</u>	<u>SLICE/GAP</u>	<u>NEX</u>	<u>NOTES</u>
KNEE	COR T1	15	Min Full	400-750	4/1	2	
	COR PD F/S	15	20	2000+	4/1	2	
(CUBE OK IF AVAIL.)	SAG T2	15	70	3000-6000	4/1	2	
	SAG PD F/S	15	20	2000+	4/1	2	
	AX T2	14	70	3000-6000	4/1	2	
KNEE ARTHRO							
*Do Routine Knee	SAG T1	15	Min Full	400-750	4/1	2	
Delete SAG T2 for SAG T1							
HIP							
	COR STIR	36	35 (TI 150)	3000-6000	5/1	2	
	COR T1	36	Min Full	400-750	5/1	2	
	AX PD F/S	36	35	2000+	5/1	2	
	UNI COR PD F/S	18-20	35	2000+	5/1	4	
	UNI SAG PD F/S	18-20	35	2000+	5/1	4	
Femoral Neck	UNI O/AX T2	18-20	102	3000-6000	4/1	4	Parallel to Femoral Neck

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HIP ARTHRO	COR T1	36	Min Full	400-750	5/1	2	
	COR PD F/S	36	35	2000+	5/1	2	
	UNI AX PD F/S	18-20	35	2000+	4/0.5	4	
	UNI COR T1 F/S	18-20	Min Full	400-750	4/0.5	4	
	UNI SAG PD F/S	18-20	35	2000+	4/0.5	4	
Femoral Neck	UNI O/AX T2	18-20	102	3000-6000	4/1	4	Parallel to Femoral Neck
ANKLE/HINDFOOT							
	*AX T2	14	85	3000-6000	3/1	2	Extend coverage for Achilles
	SAG T1	14	Min Full	400-750	4/0.5	2	
	SAG STIR	14*	35 (TI 150)	3000-6000	4/0.5	2	*20-22 FOV for Achilles
	COR PD F/S	14	35	2000+	4/1	2	
	COR T1	14	Min Full	400-700	4/1	2	
TARSAL TUNNEL	OBL PD F/S	14	35	2000+	4/1	2	approx. 45° angle
Eval Achilles	see notes, Ax T2, Sag STIR						As Coil Allows
FOOT							
(MID or FORE)	COR T1	10-14	Min Full	400-750	4/1	2	
	COR STIR	10-14	35 (TI150)	3000-6000	4/1	2	
	AX PD F/S	10-14	35	2000+	3/0.5	2	
	AX T1	10-14	Min Full	400-750	3/0.5	2	
	SAG T1	10-14	Min Full	400-750	3/1	2	
	SAG PD F/S	10-14	35	2000+	3/1	2	

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BONY PELVIS	COR STIR	36	35 (TI 150)	3000-6000	5/1	2	
	COR T1	36	Min Full	400-750	5/1	2	
	AX PD F/S	36	35	2000+	5/1	2	
	AX T1	36	Min Full	400-750	5/1	2	
	SAG PD F/S	24-28	35	2000+	6/1	2	
FEMUR/THIGH							
BILATERAL	COR STIR	36-48	35 (TI 150)	3000-6000	6/1.5	2	
BILATERAL	COR T1	36-48	Min Full	400-750	6/1.5	2	
UNILATERAL	AX T1	20-24	Min Full	400-750	6/1.5	2	SIDE OF INTEREST
UNILATERAL	AX PD F/S	20-24	35	2000+	6/1.5	2	SIDE OF INTEREST
UNILATERAL	SAG PD F/S	24-28	35	2000+	4/1	2	SIDE OF INTEREST
FEMUR/THIGH							
* <u>SOFT TISSUE MASS</u>	Pre AX T1 F/S	20-24	Min Full	400-750	6/1.5	1	SIDE OF INTEREST
Do routine and add	Post AX T1 F/S	20-24	Min Full	400-750	6/1.5	1	SIDE OF INTEREST
	Post Sag or Cor T1 F/S	40	Min Full	400-750	5/1	2	USE BEST VIEW FOR PATHOLOGY

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CALF							
BILATERAL	COR STIR	36-48	35 (TI 150)	3000-6000	4/1	2	
BILATERAL	COR T1	36-48	Min Full	400-750	4/1	2	
UNILATERAL	AX T1	18-20	Min Full	400-750	4/1	2	SIDE OF INTEREST
UNILATERAL	AX PD F/S	18-20	35	2000+	4/1	2	SIDE OF INTEREST
UNILATERAL	SAG STIR	18-20	35(TI 150)	3000-6000	5/1	2	SIDE OF INTEREST

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SHOULDER	AX T1	14	Min Full	400-750	4/1	2	
	AX PD F/S	14	35	2000+	4/1	2	
	COR PD F/S	14	35	2000+	4/1	2	
	COR T2	14	85	3000-6000	4/1	2	
	SAG T2	14	85	3000-6000	4/4	2	
SHOULDER ARTHRO							
	AX T1	14	Min Full	400-750	4/1	2	
	AX PD F/S	14	35	2000+	4/1	2	
	COR PD F/S	14	35	2000+	4/1	2	
	COR T2	14	85	3000-6000	4/1	2	
	COR T1	14	Min Full	400-750	4/1	2	
	SAG T2	14	85	3000-6000	4/1	2	
WCR only	ABER VIEW	14	102	3000-6000	4/1	2	West Coast Rad. ONLY
HUMERUS							
	SAG PD F/S	36	35	2000+	4/1	2	
	COR STIR	36	35(TI 150)	3000-6000	4/1	2	
	AX	16-20	Min Full	400-750	5/1	2	
	AX PD F/S	16-20	35	2000+	5/1	2	

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HUMERUS							
*For Mass add	AX T1 PRE	16-20	Min Full	400-750	4/1	2	
	AX T1 F/S POST	16-20	Min Full	400-750	4/1	2	
	SAG/COR T1 F/S POST	28-36	Min Full	400-750	4/1	2	USE BEST VIEW FOR PATHOLOGY
ELBOW							
	AX T1	12-14	Min Full	400-750	4/1	2	
	AX T2	12-14	85	3000-6000	4/1	2	
	COR PD F/S	12-14	35	2000+	3/1	2	
	COR T1	12-14	Min Full	400-750	3/1	2	
	SAG PD F/S	12-14	35	2000+	4/1	2	
ELBOW ARTHRO							
	AX T1	12-14	Min Full	400-750	4/1	2	
	AX T2	12-14	85	3000-6000	4/1	2	
	COR PD F/S	12-14	35	2000+	3/1	2	
	COR T1	12-14	Min Full	400-750	3/1	2	
	SAG PD F/S	12-14	35	2000+	4/1	2	

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WRIST	AX T1	10-12	Min Full	400-750	3/0.5	2	
	AX PD F/S	10-12	35	2000+	3/0.5	2	
	COR T1	10-12	Min Full	400-750	3/0.5	2	
	COR PD F/S	10-12	35	2000+	3/0.5	2	
	SAG PD F/S	10-12	35	2000+	3/0.5	2	
WRIST ARTHRO							
	AX T1	10-12	Min Full	400-750	3/0.5	2	
	AX PD F/S	10-12	35	2000+	3/0.5	2	
	COR T1 F/S	10-12	Min Full	400-750	3/0.5		
	COR PD F/S	10-12	35	2000+	3/0.5	2	
	SAG PD F/S	10-12	35	2000+	3/0.5	2	
HAND							
	AX T1	10-12	Min Full	400-750	4/0.5	2	
	AX PD F/S	10-12	35	2000+	4/0.5	2	
	SAG T1	10-14	Min Full	400-750	3/0.5	4	
	SAG PD F/S	10-14	35	2000+	3/0.5	2	
	COR T1	10-14	Min Full	400-750	3/0.5	3	
	COR PD F/S	10-14	35	2000+	3/0.5	2	

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THUMB	AX T1	10	Min Full	400-750	4/0.5	2	
	AX PD F/S	10	35	2000+	4/0.5	2	
	SAG T1	10-12	Min Full	400-750	3/0.5	4	
	SAG PD F/S	10-12	35	2000+	3/0.5	2	
	COR T1	10-12	Min Full	400-750	3/0.5	3	
	COR PD F/S	10-12	35	2000+	3/0.5	2	
FINGER							
	AX T1	10	Min Full	400-750	4/0.5	2	
	AX PD F/S	10	35	2000+	4/0.5	2	
	SAG T1	10-12	Min Full	400-750	3/0.5	4	
	SAG PD F/S	10-12	35	2000+	3/0.5	2	
	COR T1	10-12	Min Full	400-750	3/0.5	3	
	COR PD F/S	10-12	35	2000+	3/0.5	2	

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PECTORALIS	AX T1	24	Min Full	400-750	5/1	2	
	AX T2	24	85	3000-6000	5/1	2	
	COR T1	24	Min Full	400-750	3/1	2	
	COR PD F/S	24	35	2000+	3/1	2	
	SAG PD F/S	24	35	2000+	5/1	2	
CLAVICLE							
	COR/OBL T1	24	Min Full	400-750	3/1	2	ANGLE TO CLAVICAL
	COR/OBL STIR	24	35(T1140)	3000-6000	3/1	2	ANGLE TO CLAVICAL
	AX T1	24	Min Full	400-750	4/1	2	
	AX PD F/S	24	35	2000+	4/1	2	
	SAG PD F/S	20	35	2000+	5/1	2	
SC JOINTS							
	COR/OBL T1	22	Min Full	400-750	3/0.5	3	
	COR/OBL STIR	22	35(T1140)	3000-6000	3/0.5	3	
	AX T1	20	Min Full	400-750	3/1	3	
	AX PD F/S	20	35	2000+	3/1	3	
	SAG PD F/S	22	35	2000+	4/1	2	

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STERNUM	COR/OBL T1	20	Min Full	400-750	3/0.5	3	
	COR/OBL PD F/S	20	35	2000+	3/0.5	3	
	AX T1	14-18	Min Full	400-750	4/1	3	
	AX PD F/S	14-18	35	2000+	4/1	2	
	SAG PD F/S	14-18	35	2000+	3/1	2	
SCAPULA							
	AX T1	16-20	Min Full	400-750	5/1	2	
	AX PD F/S	16-20	35	2000+	5/1	2	
	SAG T1	20	Min Full	400-750	4/1	2	
	SAG PD F/S	20	35	2000+	4/1	2	
	COR PD F/S	20	35	2000+	3/1	2	
SI JOINTS							
	SAG T1	20	Min Full	400-750	4/1	2	
	SAG PD F/S	20	35	2000+	4/1	2	
	AX PD F/S	20	35	2000+	4/1	2	
	COR T1	20	Min Full	400-750	3/1	2	
	COR STIR	20	30(TI 140)	3000-6000	3/1	2	
WITH CONTRAST	AX T1 F/S PRE	20	Min Full	400-750	4/1	2	
ADD 3 SEQ.	AX T1 F/S POST	20	Min Full	400-750	4/1	2	
	COR T1 F/S POST	20	Min Full	400-750	3/1	2	

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SACRUM/COCCYX	SAG T1	20	Min Full	400-750	4/1	2	
	SAG PD F/S	20	35	2000+	4/1	2	
	AX PD F/S	20	35	2000+	4/1	2	
	COR T1	20	Min Full	400-750	3/1	2	
	COR STIR	20	30(TI 140)	3000-6000	3/1	2	
WITH CONTRAST	AX T1 F/S PRE	20	Min Full	400-750	4/1	2	
ADD 3 SEQ.	AX T1 F/S POST	20	Min Full	400-750	4/1	2	
	COR T1 F/S POST	20	Min Full	400-750	3/1	2	
TMJ'S							
	AX T1 LOC	22	Min Full	400-750	4/0.5	1	
	COR/OBL T1	10	Min Full	400-750	3/0.5	3	
	SAG/OBL PD	10	20	2000+	3/0.5	3	
	SAG/OBL T2	10	85	3000-6000	3/0.5	4	
	SAG/OBL T1	10	Min Full	400-750	3/0.5	3	
Open Mouth	SAG/OBL T1 (OPEN)	10	Min Full	400-750	3/0.5	3	USE DEVICE TO APPROX 30MM