American College of Radiology ACR Appropriateness Criteria®

Demyelinating Diseases

Variant 1: Adult. Acute or subacute sensorimotor or brainstem symptoms. Suspect demyelinating disease of the central nervous system. Initial imaging.

n 1	Appropriateness	COL	4.1.1. DDI	D I DDI	D. ()	3.5.11	Final Tabul 1 2 3 4 5				latio	ns			
Procedure	Category	SOE	Adults RRL	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
MRI head without and with IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	9	9	0	0	0	0	0	0	0	1	10
MRI cervical and thoracic spine without and with IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	8	8	0	0	0	0	0	1	3	3	3
MRI head without IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	6	6	0	0	1	0	4	4	0	1	0
MRI orbits without and with IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	5	5	0	0	0	0	7	2	0	1	0
MRI orbits without IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	5	5	1	0	3	1	4	1	1	0	0
MRI cervical and thoracic spine without IV contrast	May be appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	5	5	0	0	1	0	8	0	0	1	0
MRI cervical and thoracic spine with IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	5	5	0	0	2	0	6	2	0	0	0
MRI lumbar spine without and with IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	4	4	1	1	2	4	2	0	0	0	0
MRI orbits with IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	4	4	1	0	4	2	2	0	1	0	0

MRI lumbar spine without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	3	3	3	2	2	1	2	1	0	0	0
MRI head with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	3	3	4	1	4	1	0	0	0	0	0
CT orbits with IV contrast	Usually not appropriate	Expert Consensus	��� 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	9	2	0	0	0	0	0	0	0
CT orbits without IV contrast	Usually not appropriate	Expert Consensus	��� 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	10	1	0	0	0	0	0	0	0
CT orbits without and with IV contrast	Usually not appropriate	Expert Consensus	��� 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	10	1	0	0	0	0	0	0	0
CT head with IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	10	0	1	0	0	0	0	0	0
CT head without IV contrast	Usually not appropriate	Expert Consensus	ଡିଡିଡି 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	6	1	3	0	1	0	0	0	0
CT head without and with IV contrast	Usually not appropriate	Expert Consensus	ଡିଡିଡି 1-10 mSv	���� 3- 10 mSv [ped]	1	1	8	0	3	0	0	0	0	0	0
CT lumbar spine with IV contrast	Usually not appropriate	Expert Consensus	��� 1-10 mSv	≎≎≎≎ 3- 10 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT lumbar spine without IV contrast	Usually not appropriate	Expert Consensus	ଡିଡିଡି 1-10 mSv	≎≎≎≎ 3- 10 mSv [ped]	1	1	10	1	0	0	0	0	0	0	0
CT lumbar spine without and with IV contrast	Usually not appropriate	Expert Consensus	���� 10-30 mSv	���� 3- 10 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
MRI lumbar spine with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	6	0	2	0	3	0	0	0	0
CT cervical and thoracic spine with IV contrast	Usually not appropriate	Limited	���� 10-30 mSv		1	1	10	1	0	0	0	0	0	0	0

CT cervical and thoracic spine without IV contrast	Usually not appropriate	Expert Consensus	���� 10-30 mSv	1	1	10	1	0	0	0	0	0	0	0
CT cervical and thoracic spine without and with IV contrast	Usually not appropriate	Expert Consensus	���� 10-30 mSv	1	1	11	0	0	0	0	0	0	0	0

Variant 2: Adult. Acute or subacute sensorimotor symptoms below a spinal cord level. Suspect transverse myelitis. Initial imaging.

D 1	Appropriateness	COF	4.1.14. DDF	D I DDI	D. (1	3.5.11			F	inal '	Гаbu	latio	ns		
Procedure	Category	SOE	Adults RRL	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
MRI cervical and thoracic spine without and with IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	9	9	0	0	0	0	0	0	0	1	10
MRI head without and with IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	7	7	0	0	0	0	0	1	6	1	2
MRI head without IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	5	5	0	0	1	1	6	2	0	0	0
MRI cervical and thoracic spine without IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	5	5	0	0	1	0	5	3	1	0	0
MRI cervical and thoracic spine with IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	5	5	0	0	2	0	7	1	0	0	0
MRI lumbar spine without and with IV contrast	May be appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	4	4	4	1	0	3	2	1	0	0	0
MRI head with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	3	3	4	0	3	3	0	0	0	0	0
MRI lumbar spine without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	2	2	5	1	0	2	3	0	0	0	0
CT orbits with IV contrast	Usually not appropriate	Expert Consensus	୫୫୫ 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0

CT orbits without IV contrast	Usually not appropriate	Expert Consensus	��� 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT orbits without and with IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT head with IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT head without IV contrast	Usually not appropriate	Expert Consensus	��� 1-10 mSv	≎≎≎ 0.3- 3 mSv [ped]	1	1	10	0	1	0	0	0	0	0	0
CT head without and with IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	���� 3- 10 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT lumbar spine with IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	���� 3- 10 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT lumbar spine without IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	���� 3- 10 mSv [ped]	1	1	9	2	0	0	0	0	0	0	0
CT lumbar spine without and with IV contrast	Usually not appropriate	Limited	���� 10-30 mSv	���� 3- 10 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
MRI lumbar spine with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	7	0	0	2	2	0	0	0	0
MRI orbits without and with IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	1	1	6	0	2	1	2	0	0	0	0
MRI orbits without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	6	0	2	2	1	0	0	0	0
CT cervical and thoracic spine with IV contrast	Usually not appropriate	Expert Consensus	���≎ 10-30 mSv		1	1	9	1	1	0	0	0	0	0	0
CT cervical and thoracic spine without IV contrast	Usually not appropriate	Expert Consensus	���⊕ 10-30 mSv		1	1	11	0	0	0	0	0	0	0	0

CT cervical and thoracic spine without and with IV contrast	Usually not appropriate	Limited	���� 10-30 mSv		1	1	11	0	0	0	0	0	0	0	0
MRI orbits with IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	1	1	7	0	1	1	2	0	0	0	0

Variant 3: Adult. Known demyelinating disease. Stable neurologic examination. Surveillance imaging.

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Procedure	Category	SOE	Adults RRL	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
MRI head without and with IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	9	9	0	0	1	0	2	0	0	2	6
MRI cervical and thoracic spine without and with IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	9	9	0	0	1	0	3	0	1	0	6
MRI head without IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	8	8	0	0	0	1	1	1	2	1	5
MRI cervical and thoracic spine without IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	7	7	0	0	1	0	1	2	4	0	3
MRI cervical and thoracic spine with IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	5	5	0	0	1	1	8	0	0	0	0
MRI orbits without and with IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	3	3	2	1	4	1	2	0	0	0	0
MRI head with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	3	3	4	0	6	0	0	0	0	0	0
CT orbits with IV contrast	Usually not appropriate	Expert Consensus	��� 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT orbits without IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0

CT orbits without and with IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT head with IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT head without IV contrast	Usually not appropriate	Expert Consensus	��� 1-10 mSv	≎≎≎ 0.3- 3 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT head without and with IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	���� 3- 10 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT lumbar spine with IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	���� 3- 10 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT lumbar spine without IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	���� 3- 10 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT lumbar spine without and with IV contrast	Usually not appropriate	Expert Consensus	���≎ 10-30 mSv	���� 3- 10 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
MRI lumbar spine without IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	1	1	7	1	2	0	1	0	0	0	0
MRI lumbar spine without and with IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	1	1	7	1	3	0	0	0	0	0	0
MRI lumbar spine with IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	1	1	8	1	2	0	0	0	0	0	0
MRI orbits without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	6	2	1	0	1	1	0	0	0
CT cervical and thoracic spine with IV contrast	Usually not appropriate	Expert Consensus	���� 10-30 mSv		1	1	11	0	0	0	0	0	0	0	0
CT cervical and thoracic spine without IV contrast	Usually not appropriate	Expert Consensus	���≎ 10-30 mSv		1	1	11	0	0	0	0	0	0	0	0

CT cervical and thoracic spine without and with IV contrast	Usually not appropriate	Expert Consensus	���� 10-30 mSv		1	1	11	0	0	0	0	0	0	0	0
MRI orbits with IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	1	1	6	2	2	0	0	1	0	0	0

Variant 4: Adult. Known demyelinating disease. New or progressive neurologic deficits. Initial imaging.

	Appropriateness	GOT		D 1 DD1	- ·	3.5.31	dian 1 2 3			inal '	Tabu	latio	ns		
Procedure	Category	SOE	Adults RRL	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
MRI head without and with IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	9	9	0	0	0	0	0	0	0	1	10
MRI cervical and thoracic spine without and with IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	9	9	0	0	1	0	0	0	1	1	8
MRI orbits without and with IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	7	7	0	0	1	0	4	0	2	1	3
MRI head without IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	6	6	0	0	1	0	4	4	1	0	0
MRI orbits without IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	5	5	0	0	2	0	7	0	1	0	0
MRI cervical and thoracic spine without IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	5	5	0	0	1	0	5	2	2	0	0
MRI cervical and thoracic spine with IV contrast	May be appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	5	5	0	0	1	1	6	2	0	0	0
MRI orbits with IV contrast	May be appropriate (Disagreement)	Expert Opinion	O 0 mSv	O 0 mSv [ped]	5	5	2	1	0	2	3	1	1	0	0
CT orbits with IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0

CT orbits without IV contrast	Usually not appropriate	Expert Consensus	��� 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	10	1	0	0	0	0	0	0	0
CT orbits without and with IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT head with IV contrast	Usually not appropriate	Expert Consensus	��� 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT head without IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	10	1	0	0	0	0	0	0	0
CT head without and with IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	���� 3- 10 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT lumbar spine with IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	���� 3- 10 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT lumbar spine without IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	���� 3- 10 mSv [ped]	1	1	10	1	0	0	0	0	0	0	0
CT lumbar spine without and with IV contrast	Usually not appropriate	Expert Consensus	���� 10-30 mSv	���� 3- 10 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
MRI lumbar spine without IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	1	1	7	0	2	0	1	1	0	0	0
MRI lumbar spine without and with IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	1	1	6	1	2	0	1	0	0	0	0
MRI lumbar spine with IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	1	1	8	1	1	0	0	1	0	0	0
CT cervical and thoracic spine with IV contrast	Usually not appropriate	Expert Consensus	���≎ 10-30 mSv		1	1	11	0	0	0	0	0	0	0	0
CT cervical and thoracic spine without IV contrast	Usually not appropriate	Expert Consensus	���≎ 10-30 mSv		1	1	10	1	0	0	0	0	0	0	0

CT cervical and thoracic spine without and with IV contrast	Usually not appropriate	Expert Consensus	���� 10-30 mSv		1	1	11	0	0	0	0	0	0	0	0
MRI head with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	6	0	2	1	1	0	0	0	0

Variant 5: Adult. Acute or chronic symmetric weakness. Suspect demyelinating disease of the peripheral nervous system. Initial imaging.

Procedure	Appropriateness	COE	A Julia DDI	Doda DDI	D - 41	M - 1!	Final Tabulations										
Procedure	Category	SOE	Adults RRL	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9		
MRI lumbar spine without and with IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	9	9	0	0	0	0	0	0	1	2	8		
MRI brachial plexus without and with IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	9	9	0	0	0	0	0	1	0	3	7		
MRI lumbosacral plexus without and with IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	9	9	0	0	0	0	0	1	0	2	8		
MRI cervical and thoracic spine without and with IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	9	9	0	0	0	0	1	0	2	2	6		
MRI head without and with IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	5	5	1	0	0	0	6	2	0	1	0		
MRI lumbar spine without IV contrast	May be appropriate (Disagreement)	Expert Opinion	O 0 mSv	O 0 mSv [ped]	5	5	0	0	2	0	5	2	1	0	0		
MRI brachial plexus without IV contrast	May be appropriate (Disagreement)	Expert Opinion	O 0 mSv	O 0 mSv [ped]	5	5	0	0	1	1	4	2	2	0	0		
MRI lumbosacral plexus without IV contrast	May be appropriate (Disagreement)	Expert Opinion	O 0 mSv	O 0 mSv [ped]	5	5	0	0	1	1	4	2	2	0	0		
MRI cervical and thoracic spine without IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	5	5	0	0	1	0	5	2	2	0	0		

MRI lumbosacral plexus with IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	5	5	1	1	0	3	4	0	1	0	0
MRI lumbar spine with IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	3	3	4	0	3	0	3	0	0	0	0
MRI cervical and thoracic spine with IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	3	3	2	1	6	0	1	0	0	0	0
MRI brachial plexus with IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	3	3	4	0	2	1	3	0	0	1	0
CT orbits with IV contrast	Usually not appropriate	Expert Consensus	��� 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT orbits without IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT orbits without and with IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT head with IV contrast	Usually not appropriate	Limited	≎≎≎ 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT head without IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT head without and with IV contrast	Usually not appropriate	Expert Consensus	��� 1-10 mSv	���� 3- 10 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT lumbar spine with IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	≎≎≎≎ 3- 10 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT lumbar spine without IV contrast	Usually not appropriate	Expert Consensus	��� 1-10 mSv	≎≎≎≎ 3- 10 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0
CT lumbar spine without and with IV contrast	Usually not appropriate	Expert Consensus	���� 10-30 mSv	≎≎≎≎ 3- 10 mSv [ped]	1	1	11	0	0	0	0	0	0	0	0

MRI head without IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	1	1	6	1	1	1	1	0	1	0	0
MRI orbits without and with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	9	1	0	0	0	1	0	0	0
MRI orbits without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	10	1	0	0	0	0	0	0	0
CT cervical and thoracic spine with IV contrast	Usually not appropriate	Limited	���� 10-30 mSv		1	1	11	0	0	0	0	0	0	0	0
CT cervical and thoracic spine without IV contrast	Usually not appropriate	Limited	���� 10-30 mSv		1	1	10	1	0	0	0	0	0	0	0
CT cervical and thoracic spine without and with IV contrast	Usually not appropriate	Expert Consensus	���� 10-30 mSv		1	1	11	0	0	0	0	0	0	0	0
MRI head with IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	1	1	6	0	3	0	1	0	1	0	0
MRI orbits with IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	1	1	10	1	0	0	0	0	0	0	0

Appendix Key

A more complete discussion of the items presented below can be found by accessing the supporting documents at the designated hyperlinks.

Appropriateness Category: The panel's recommendation for a procedure based on the assessment of the risks and benefits of performing the procedure for the specified clinical scenario.

SOE: Strength of Evidence. The assessment of the amount and quality of evidence found in the peer reviewed medical literature for an appropriateness recommendation.

- **References:** The citation number and PMID for the reference(s) associated with the recommendation.
- Study Quality: The assessment of the quality of an individual reference based on the number of study quality elements described in the reference.

RRL: Relative Radiation Level. A population based assessment of the amount of radiation a typical patient may be exposed to during the specified procedure.

Rating: The final rating (1-9 scale) for the procedure as determined by the panel during rating rounds.

Median: The median rating (1-9 scale) for the procedure as determined by the panel during rating rounds.

Final tabulations: A histogram showing the number of panel members who rated the procedure as noted in the column heading (ie, 1, 2, 3, etc.).

Additional supporting documents about the AC methodology and processes can be found at www.acr.org/ac.