American College of Radiology ACR Appropriateness Criteria®

Plexopathy

Variant 1: Brachial plexopathy, acute or chronic, nontraumatic. No known malignancy. Initial imaging.

	Appropriateness	207							F	inal	Tabu	latio	ns		
Procedure	Category	SOE	Adults RRL	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
MRI brachial plexus without and with IV contrast	Usually appropriate	Strong	O 0 mSv	O 0 mSv [ped]	9	9	1	0	0	0	0	1	2	3	13
		References		Study	Quality			•					•		
		44 (22071340)			3										
		45 (19663545)			3										
		6 (21763092)			4										
		9 (24355190)			4										
		10 (30688245)			4										
		27 (24210315)			4										
		47 (28987674)			1										
		46 (28723713)			2		_								
MRI brachial plexus without IV contrast	Usually appropriate	Strong	O 0 mSv	O 0 mSv [ped]	7	7	0	1	0	1	3	0	6	4	5
		References		Study	Quality								•		
		44 (22071340)			3										
		45 (19663545)			3										
		6 (21763092)			4										
		9 (24355190)			4										
		10 (30688245)			4										
		27 (24210315)			4										

		47 (28987674)			1										
		46 (28723713)			2										
MRI cervical spine without IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	6	6	0	0	0	0	9	11	1	0	0
		References		Study	Quality										
		48 (27318668)			3										
		49 (25557217)			2										
CT neck with IV contrast	May be appropriate	Limited	��� 1-10 mSv	��� 0.3- 3 mSv [ped]	5	5	0	0	0	2	14	5	0	0	0
		References		Study	Quality		•								
		43 (28096728)			4										
MRI cervical spine without and with IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	5	5	0	0	1	0	16	4	0	0	0
		References		Study	Quality		•								
		48 (27318668)			3										
		49 (25557217)			2										
CT neck without IV contrast	Usually not appropriate	Limited	��� 1-10 mSv	��� 0.3- 3 mSv [ped]	2	2	10	1	5	3	1	0	0	0	0
		References		Study	Quality		•					•			
		43 (28096728)			4										
US neck	Usually not appropriate	Strong	O 0 mSv	O 0 mSv [ped]	2	2	10	2	3	1	2	2	0	0	0
		References		Study	Quality		-								
		39 (25454274)			2										
		55 (30107038)			2										
		50 (29791960)			4										
		54 (29202391)			2										
		35 (28762574)			2										
		53 (28618294)			2										
		52 (27927940)			2										

		30 (27074430)			2										
		51 (25703205)			2										
CT myelography cervical spine	Usually approp	Expert Consensus	≎≎≎≎ 10-3 mSv	0	1	1	14	2	2	1	0	0	0	0	1
CT neck without and with IV contrast	Usually approp	Limited	≎≎≎ 1-10 mSv	���� 3- 10 mSv [ped]	1	1	12	3	2	1	2	0	0	0	0
		References		Stud	y Quality										
		43 (28096728)			4										
CT cervical spine with IV contrast	Usually approp	Expert Consensus	��� 1-10 mSv	���� 3- 10 mSv [ped]	1	1	11	3	4	0	0	1	0	0	1
CT cervical spine without IV contrast	Usually approp	Expert Consensus	��� 1-10 mSv	���� 3- 10 mSv [ped]	1	1	12	3	3	0	1	0	0	0	1
CT cervical spine without and with IV contrast	Usually approp	Expert Consensus	��⊕ 1-10 mSv	���� 3- 10 mSv [ped]	1	1	14	2	2	0	0	0	1	0	1
FDG-PET/CT whole body	Usually approp	Expert Consensus	≎≎≎≎ 10-3 mSv	0	1	1	16	1	2	0	0	0	0	0	1
MRI cervical spine with IV contrast	Usually approp	Limited	O 0 mSv	O 0 mSv [ped]	1	1	12	0	2	0	4	2	0	0	0
		References		Stud	y Quality										
		48 (27318668)			3										
		49 (25557217)			2										
MRI brachial plexus with IV contrast	Usually approp	Strong	O 0 mSv	O 0 mSv [ped]	1	1	20	1	0	0	0	0	0	0	0
•		References		Stud	y Quality										
		 44 (22071340)			3										
		45 (19663545)			3										
		6 (21763092)			4										
		9 (24355190)			4										

10 (30688245)	4
27 (24210315)	4
47 (28987674)	1
46 (28723713)	2

Variant 2: Lumbosacral plexopathy, acute or chronic, nontraumatic. No known malignancy. Initial imaging.

D 1	Appropriateness	COL	4 1 14 BB1	D I DDI	D (1	3.6.11]	Final	Tabı	ılatio	ns		
Procedure	Category	SOE	Adults RRI	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
MRI lumbosacral plexus without and with IV contrast	Usually appropriate	Strong	O 0 mSv	O 0 mSv [ped]	9	9	1	0	0	0	1	0	3	2	13
		References		Study	Quality										
		63 (19333087)			3										
		4 (23842967)			4										
		2 (24210317)			4										
		56 (30262644)			2										
		62 (29581014)			2										
		3 (27454861)			4										
		8 (25940664)			4										
		1 (30152741)			4										
		64 (28059708)			2										
		7 (29662907)			4										
		61 (25764239)		1	4						_	1			
MRI lumbosacral plexus without IV contrast	Usually appropriate	Strong	O 0 mSv	O 0 mSv [ped]	7	7	0	0	0	0	0	0	12	7	2
		References		Study	Quality										
		63 (19333087)			3										
		4 (23842967)			4										
		2 (24210317)			4										
		56 (30262644)			2										

	_																
			62 (29581014)				2										
			3 (27454861)				4										
			8 (25940664)				4										
			1 (30152741)				4										
			64 (28059708)				2										
			7 (29662907)				4										
			61 (25764239)				4										
MRI lumbar spine without IV contrast	May t		Limited	O 0 mSv	,	O 0 mSv [ped]	6	6	0	0	2	0	3	7	3	2	3
			References			Study	Quality										
			1 (30152741)				4										
CT abdomen and pelvis with IV contrast	May t		Expert Consensus	��� 1-10 mSv	0	���� 3- 10 mSv [ped]	5	5	0	0	0	1	17	3	0	0	0
MRI lumbar spine without and with IV contrast	May t appropr		Limited	O 0 mSv	,	O 0 mSv [ped]	5	5	0	0	1	0	19	1	0	0	0
			References		•	Study	Quality						•				
			1 (30152741)				4										
CT abdomen and pelvis without IV contrast	Usually appropr		Expert Consensus	��� 1-10 mSv	0	���� 3- 10 mSv [ped]	3	3	7	3	2	5	3	0	0	0	0
CT abdomen and pelvis without and with IV contrast	Usually appropr		Expert Consensus	���� 10- mSv	30	≎≎≎≎≎ 10-30 mSv [ped]	1	1	11	2	2	1	3	1	0	0	0
CT myelography lumbar spine	Usually appropr		Expert Consensus	≎≎≎≎ 10- mSv	30		1	1	15	1	2	0	1	0	0	0	1
CT lumbar spine with IV contrast	Usually appropr		Expert Consensus	��� 1-10 mSv	0	���� 3- 10 mSv [ped]	1	1	11	3	4	0	1	0	0	0	1
CT lumbar spine without IV contrast	Usually appropr	not	Expert Consensus	��� 1-10 mSv	0	���� 3- 10 mSv [ped]	1	1	12	2	5	0	0	0	0	0	1

CT lumbar spine without and with IV contrast	Usually not appropriate	Expert Consensus	���� 10-30 mSv	���� 3- 10 mSv [ped]	1	1	15	1	3	0	0	0	0	0	1
MRI pelvis without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	11	2	2	4	1	0	0	0	0
MRI pelvis without and with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	12	2	3	0	1	2	0	0	0
FDG-PET/CT whole body	Usually not appropriate	Expert Consensus	���� 10-30 mSv	���� 3- 10 mSv [ped]	1	1	14	3	2	0	0	0	0	0	1
MRI lumbar spine with IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	1	1	21	0	0	0	0	0	0	0	0
		References		Study	y Quality										
		1 (30152741)			4					ı	1				
MRI lumbosacral plexus with IV contrast	Usually not appropriate	Strong	O 0 mSv	O 0 mSv [ped]	1	1	20	0	0	1	0	0	0	0	0
		References		Stud	y Quality										
		63 (19333087)			3										
		4 (23842967)			4										
		2 (24210317)			4										
		56 (30262644)			2										
		62 (29581014)			2										
		3 (27454861)			4										
		8 (25940664)			4										
		1 (30152741)			4										
		64 (28059708)			2										
		7 (29662907) 61 (25764239)			4										
MRI pelvis with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	15	1	1	2	1	0	0	0	0

Variant 3: Brachial plexopathy, traumatic (not perinatal). Initial imaging.

D 1	Appropriateness	COE	4 1 14 DD1	n i prv	D 41	34.11]	Final	Tabı	ılatio	ns		
Procedure	Category	SOE	Adults RRL	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
MRI brachial plexus without IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	9	9	2	0	0	0	0	0	4	1	13
		References		Study	Quality								•	•	-
		44 (22071340)			3										
		6 (21763092)			4										
		9 (24355190)			4										
		10 (30688245)			4										
		71 (28886666)			2										
		69 (29145043)			4										
		66 (29778092)			4										
		27 (24210315)			4										
		72 (27801698)			3										
MRI brachial plexus without and with IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	7	7	0	0	0	0	0	0	15	5	1
		References		Study	Quality								•		
		44 (22071340)			3										
		6 (21763092)			4										
		9 (24355190)			4										
		10 (30688245)			4										
		71 (28886666)			2										
		69 (29145043)			4										
		66 (29778092)			4										
		27 (24210315)			4										
		72 (27801698)			3										

MRI cervical spine without IV contrast	May approp	Expert Consensus	O 0 mSv	O 0 mSv [ped]	6	6	0	0	0	0	9	10	1	1	0
CT myelography cervical spine	May approp	Limited	���� 10-3 mSv	0	5	n/a	0	0	0	0	0	0	0	0	0
		References		Study	Quality				•					•	
		70 (17405253)			3										
		68 (-3189553)			4										
		28 (-3189555)			4										
CT myelography cervical spine	May approp	Limited	���� 10-3 mSv	0	5	5	0	0	0	0	15	6	0	0	0
	•	References		Study	Quality										
		70 (17405253)			3										
		68 (-3189553)			4										
		28 (-3189555)			4		_								
CT cervical spine without IV contrast	May approp	Expert Consensus	��� 1-10 mSv	���� 3- 10 mSv [ped]	5	5	0	0	0	3	15	3	0	0	0
MRI cervical spine without and with IV contrast	May approp	Expert Consensus	O 0 mSv	O 0 mSv [ped]	5	5	1	0	1	4	11	3	0	1	0
CT neck with IV contrast	Usuall approp	Expert Consensus	��� 1-10 mSv	ଫଟେ 0.3- 3 mSv [ped]	3	3	7	2	2	3	5	1	0	0	0
CT neck without IV contrast	Usuall approp	Expert Consensus	��� 1-10 mSv	��� 0.3- 3 mSv [ped]	3	3	6	1	6	3	3	0	0	1	0
US neck	Usuall approp	Limited	O 0 mSv	O 0 mSv [ped]	2	2	8	5	7	1	0	0	0	0	0

References	Study Quality
83 (24677066)	3
67 (29040777)	4
73 (24768481)	4

CT neck without and with IV contrast	Usually not appropriate	Expert Consensus	��� 1-10 mSv	���� 3- 10 mSv [ped]	1	1	13	2	2	1	1	0	1	0	0
CT cervical spine with IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	���� 3- 10 mSv [ped]	1	1	12	2	4	0	1	0	1	0	0
CT cervical spine without and with IV contrast	Usually not appropriate	Expert Consensus	��� 1-10 mSv	���� 3- 10 mSv [ped]	1	1	14	2	2	0	1	0	1	0	0
FDG-PET/CT whole body	Usually not appropriate	Expert Consensus	���� 10-30 mSv	≎≎≎≎ 3- 10 mSv [ped]	1	1	18	0	1	0	0	0	0	0	1
MRI cervical spine with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	20	1	0	0	0	0	0	0	0
MRI brachial plexus with IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	1	1	20	1	0	0	0	0	0	0	0

References	Study	Quality	
44 (22071340)		3	
6 (21763092)		4	
9 (24355190)		4	
10 (30688245)		4	
71 (28886666)		2	
69 (29145043)		4	
66 (29778092)		4	
27 (24210315)		4	
72 (27801698)		3	

Variant 4: Lumbosacral plexopathy, traumatic. Initial imaging.

D 1	Appropriateness	COF	A L L DDI	D 1 DD1	D (1	3.6.11			F	inal '	Гаbu	latio	ns		
Procedure	Category	SOE	Adults RRL	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
MRI lumbosacral plexus without IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	9	9	0	0	0	0	0	0	1	6	14

		References		Study	Quality										
		4 (23842967)			4										
		8 (25940664)			4										
MRI lumbosacral plexus without and with IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	7	7	0	0	0	0	0	0	16	4	1
		References		Study	Quality										
		4 (23842967)			4										
		8 (25940664)			4										
MRI lumbar spine without IV contrast	May be appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	6	6	0	0	0	1	6	13	1	0	0
CT myelography lumbar spine	May be appropriate	Expert Consensus	���� 10-30 mSv		5	5	1	0	0	9	8	3	0	0	0
CT lumbar spine without IV contrast	May be appropriate	Expert Consensus	��� 1-10 mSv	���� 3- 10 mSv [ped]	5	5	1	0	1	7	8	3	0	1	0
MRI pelvis without IV contrast	May be appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	5	5	1	0	0	2	15	3	0	0	0
MRI lumbar spine without and with IV contrast	May be appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	5	5	1	0	1	7	9	3	0	0	0
CT abdomen and pelvis with IV contrast	May be appropriate	Expert Consensus	��� 1-10 mSv	���� 3- 10 mSv [ped]	4	4	8	1	1	5	4	1	0	0	0
CT abdomen and pelvis without IV contrast	May be appropriate	Expert Consensus	��� 1-10 mSv	���� 3- 10 mSv [ped]	4	4	6	3	1	5	5	0	0	0	0
MRI pelvis without and with IV contrast	May be appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	4	4	3	0	1	8	7	2	0	0	0
CT abdomen and pelvis without and with IV contrast	Usually not appropriate	Expert Consensus	୫୫୫୫ 10-30 mSv	≎≎≎≎≎ 10-30 mSv [ped]	1	1	12	2	2	2	1	1	0	0	0
CT lumbar spine with IV contrast	Usually not appropriate	Expert Consensus	��≎ 1-10 mSv	���� 3- 10 mSv [ped]	1	1	11	2	2	2	2	0	1	0	0

CT lumbar spine without and with IV contrast	Usually not appropriate	Expert Consensus	���� 10-30 mSv	���� 3- 10 mSv [ped]	1	1	13	1	2	1	2	1	0	0	0
FDG-PET/CT whole body	Usually not appropriate	Expert Consensus	���� 10-30 mSv	���� 3- 10 mSv [ped]	1	1	17	0	2	0	0	0	0	0	1
MRI lumbar spine with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	20	1	0	0	0	0	0	0	0
MRI lumbosacral plexus with IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	1	1	20	1	0	0	0	0	0	0	0
		References		Study	Quality										
		4 (23842967)			4										
		8 (25940664)			4										
MRI pelvis with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	14	1	1	0	2	0	0	2	0

Variant 5: Brachial plexopathy, known malignancy or post-treatment syndrome. Initial imaging.

D 1	Appropriateness	COE	A L L DDI	n i nnr	D 4	34.11			F	inal '	Tabu	latio	ns		
Procedure	Category	SOE	Adults RRL	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
MRI brachial plexus without and with IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	9	9	2	0	0	0	0	0	1	1	16

References	Study Quality
20 (25300985)	3
5 (24370167)	4
6 (21763092)	4
9 (24355190)	4
10 (30688245)	4
80 (24842865)	4
27 (24210315)	4
79 (26934119)	4

		76 (24928074)					4										
MRI brachial plexus without IV contrast	Usuall appropri		Limited	O 0 mSv		O 0 mSv [ped]	7	7	0	0	0	0	0	1	16	4	0
			References		•	Study	Quality		•								
			20 (25300985)				3										
			5 (24370167)				4										
			6 (21763092)				4										
			9 (24355190)				4										
			10 (30688245)				4										
			80 (24842865)				4										
			27 (24210315)				4										
			79 (26934119)				4										
			76 (24928074)				4			ı							
CT neck with IV contrast	May b		Limited	��� 1-10 mSv)	��� 0.3- 3 mSv [ped]	6	6	0	0	0	0	8	12	1	0	0
			References			Study	Quality										
			43 (28096728)				4										
MRI cervical spine without and with IV contrast	May b		Expert Consensus	O 0 mSv		O 0 mSv [ped]	6	6	0	0	0	0	3	17	1	0	0
FDG-PET/CT whole body	May b		Limited	���� 10-3 mSv	30	���� 3- 10 mSv [ped]	6	6	1	0	1	0	7	7	3	0	1
			References			Study	Quality										
			76 (24928074)				4										
			82 (27095861)				4			1	,						
MRI cervical spine without IV contrast	May b		Expert Consensus	O 0 mSv		O 0 mSv [ped]	5	5	0	0	0	1	17	3	0	0	0
CT neck without IV contrast	May b		Limited	999 1-10 mSv)	��� 0.3- 3 mSv [ped]	4	4	6	3	1	5	3	1	0	1	0
		References				Study	Quality										
		43 (28096728)					4										

US neck	Usually approp		Limited	O 0 mSv	,	0 mSv [ped]	3	3	6	4	6	3	1	1	0	0	0
			References		•	Study	Quality										
			83 (24677066)				3										
			81 (29399848)				2										
			50 (29791960)				4										
CT myelography cervical spine	Usually approp		Expert Consensus	���� 10-3 mSv	30 3	9	2	2	9	3	6	1	0	0	0	1	0
CT neck without and with IV contrast	Usually approp		Limited	��� 1-10 mSv	^U 1		1	1	14	6	1	0	0	0	0	0	0
			References			Study	Quality			•	•						
			43 (28096728)				4										
CT cervical spine with IV contrast	Usually approp		Expert Consensus	��� 1-10 mSv	^U 1	999 3- 0 mSv [ped]	1	1	11	2	5	0	1	0	0	1	0
CT cervical spine without IV contrast	Usually approp		Expert Consensus	��� 1-10 mSv	^U 1		1	1	11	4	2	2	0	0	0	1	0
CT cervical spine without and with IV contrast	Usually approp		Expert Consensus	��� 1-10 mSv	0 0		1	1	14	3	2	0	0	0	0	1	0
MRI cervical spine with IV contrast	Usually approp	y not riate	Expert Consensus	O 0 mSv		0 mSv [ped]	1	1	12	1	3	0	2	1	1	0	0
MRI brachial plexus with IV contrast	Usually approp		Limited O 0 mSv			0 mSv [ped]	1	1	21	0	0	0	0	0	0	0	0
			References			Study	Quality										

References	Study Quality
20 (25300985)	3
5 (24370167)	4
6 (21763092)	4
9 (24355190)	4
10 (30688245)	4
80 (24842865)	4

27 (24210315)	4
79 (26934119)	4
76 (24928074)	4

Variant 6: Lumbosacral plexopathy, known malignancy or post-treatment syndrome. Initial imaging.

	Appropriateness	COF	A L L DDI	D 1 DD1	D (1	3.6.19			I	inal	Tabı	ılatio	ns		
Procedure	Category	SOE	Adults RRL	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
MRI lumbosacral plexus without and with IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	9	9	2	0	0	0	0	0	0	2	16
		References		Study	Quality		•								
		4 (23842967)			4										
		2 (24210317)			4										
		3 (27454861)			4										
		8 (25940664)			4										
		85 (29264779)			4										
		7 (29662907)			4										
		84 (26323816)			4										
		76 (24928074)		1	4		_								
MRI lumbosacral plexus without IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	7	7	0	0	0	0	0	0	15	6	0
		References		Study	/ Quality										
		4 (23842967)			4										
		2 (24210317)			4										
		3 (27454861)			4										
		8 (25940664)			4										
		85 (29264779)			4										
		7 (29662907)			4										
		84 (26323816)			4										
		76 (24928074)			4										

CT abdomen and pelvis with IV contrast	May approp		Expert Consensus	��� 1-10 mSv)	6	6	0	0	0	0	8	12	1	0	0
MRI pelvis without and with IV contrast	May approp		Expert Consensus	O 0 mSv	O 0 mSv [ped]	6	6	0	0	0	0	7	11	3	0	0
MRI lumbar spine without and with IV contrast	May approp	be riate	Limited	O 0 mSv	O 0 mSv [ped]	6	6	0	0	0	0	4	13	3	1	0
			References		Stud	y Quality										
			3 (27454861)			4										
			7 (29662907)			4										
FDG-PET/CT whole body	May approp		Limited	⊛⊛⊕⊕ 10-3 mSv	30	6	6	2	0	0	0	7	6	4	0	1
			References		Stud	y Quality										
			84 (26323816)			4										
			76 (24928074)			4										
MRI pelvis without IV contrast	May approp		Expert Consensus	O 0 mSv	O 0 mSv [ped]	5	5	0	0	0	10	9	2	0	0	0
MRI lumbar spine without IV contrast	May approp		Limited	O 0 mSv	O 0 mSv [ped]	5	5	0	0	0	1	15	4	0	1	0
			References		Stud	y Quality										
			3 (27454861)			4										
			7 (29662907)			4										
CT abdomen and pelvis without IV contrast	Usually approp		Expert Consensus	≎≎≎ 1-10 mSv	0	3	3	5	3	4	4	3	1	0	0	0
CT abdomen and pelvis without and with IV contrast	Usually approp		Expert Consensus	���� 10-3 mSv	30	2	2	10	2	2	2	2	1	1	0	0
CT myelography lumbar spine	Usually approp		Expert Consensus	���� 10-3 mSv	30	2	2	10	3	5	0	2	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	3	4	0	1	0	0	1	0
CT lumbar spine without IV contrast	Usually not appropriate	Expert Consensus	��� 1-10 mSv	≎≎≎≎ 3- 10 mSv [ped]	1	1	13	1	3	2	0	0	0	1	0
CT lumbar spine without and with IV contrast	Usually not appropriate	Expert Consensus	���� 10-30 mSv	���� 3- 10 mSv [ped]	1	1	13	4	1	1	0	0	0	1	0
MRI lumbar spine with IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	1	1	12	1	2	1	2	0	1	1	0
		References		Study	y Quality										
		3 (27454861)			4										
		7 (29662907)			4										
MRI lumbosacral plexus with IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	1	1	21	0	0	0	0	0	0	0	0
		References		Study	y Quality										
		4 (23842967)			4										
		2 (24210317)			4										
		3 (27454861)			4										
		8 (25940664)			4										
		85 (29264779)			4										
		7 (29662907)			4										
		84 (26323816)			4										
		76 (24928074)			4			ı	ı	1		1			
MRI pelvis with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	11	2	3	1	1	1	1	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.