American College of Radiology ACR Appropriateness Criteria[®]

Ataxia-Child

Variant 1: Child. Acute ataxia, no history of recent trauma. Initial imaging.

	Appropriateness								F	'inal '	Tabul	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]	8	8	1	0	0	0	1	2	2	4	8
		References		Study	v Quality										
		18 (31327588)			3										
		20 (30932991)			4										
		19 (30948362)			3										
CT head without IV contrast	Usually appropriate	Limited	ତଟେତ 1-10 mSv	ଡେଡଡ 0.3- 3 mSv [ped]	7	7	0	0	0	0	5	3	3	2	5
		References		Study	v Quality										
		13 (23683541)			4										
		18 (31327588)			3										
		20 (30932991)			4										
		7 (27789117)			4										
		28 (26444039)			4										
		26 (25535060)			2					-					
MRI head without IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	7	7	0	0	1	0	2	1	6	4	4
		References		Study	v Quality										
		18 (31327588)			3										
		20 (30932991)			4										

		19 (30948362)			3										
CTA head and neck with IV contrast	May be appropriate	Limited	ତତତ 1-10 mSv	≎≎≎≎ 3- 10 mSv [ped]	5	5	0	0	1	3	13	2	0	0	0
		References		Study	Quality										
		20 (30932991)			4										
		7 (27789117)			4										
		26 (25535060)			2						_				
MRA head without IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	5	5	0	0	1	1	17	0	0	0	0
		References		Study	Quality										
		20 (30932991)			4										
		7 (27789117)			4										
		26 (25535060)			2										
MRA head and neck without IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	5	5	1	0	1	0	17	0	0	0	0
		References		Study	Quality										
		20 (30932991)			4										
		7 (27789117)			4										
		26 (25535060)		-1	2					-					
MRA neck without IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	5	5	0	0	1	0	18	0	0	0	0
		References		Study	. Quality										
		20 (30932991)			4										
		7 (27789117)			4										
		26 (25535060)			2										
MRI complete spine without IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	5	5	1	0	0	7	10	0	0	1	0
		References		Study	Quality										
		20 (30932991)			4										
		29 (19898915)			4										

MRI complete spine without and with IV contrast	May appropr		Limited	O 0 mSv	O 0 mSv [ped]	5	5	2	0	0	2	15	0	0	0	0
			References		Study	Quality										
			20 (30932991)			4										
	-		29 (19898915)			4										
MRA neck with IV contrast	May appropr		Limited	O 0 mSv	O 0 mSv [ped]	5	5	0	0	1	8	10	0	0	0	0
			References		Study	v Quality										
			20 (30932991)			4										
			7 (27789117)			4										
			26 (25535060)			2			-	-						
CTA head with IV contrast	May appropr	be riate	Limited	ତେତେ 1-10 mSv	ହହହହ 3- 10 mSv [ped]	4	4	0	0	1	11	6	1	0	0	0
			References		Study	Quality										
	-		20 (30932991)			4										
			7 (27789117)			4										
			26 (25535060)			2										
CTA neck with IV contrast	May appropr		Limited	ଝେଡେ 1-10 mSv	ଡେଡେ 0.3- 3 mSv [ped]	4	4	0	0	1	11	6	1	0	0	0
			References		Study	v Quality										
	_		20 (30932991)			4										
			7 (27789117)			4										
			26 (25535060)			2			-	-						
CT head with IV contrast	Usually appropr		Limited	ତ®ତ 1-10 mSv	&& 0.3- 3 mSv [ped]	3	3	5	1	5	0	6	1	0	0	0
			References		Study	v Quality										
			13 (23683541)			4										
			18 (31327588)			3										
			20 (30932991)			4										
			7 (27789117)			4										

			28 (26444039)			4										
			26 (25535060)			2										
CT head without and with IV contrast	Usuall approp		Limited	ଝେଡେ 1-10 mSv	ଡଡଡଡ 3- 10 mSv [ped]	3	3	5	4	3	1	4	1	0	0	0
			References		Study	/ Quality										
			13 (23683541)			4										
			18 (31327588)			3										
			20 (30932991)			4										
			7 (27789117)			4										
			28 (26444039)			4										
			26 (25535060)			2		_	1	1				1		
MRV head and neck without IV contrast	Usuall approp		Expert Consensus	O 0 mSv	O 0 mSv [ped]	3	3	7	2	5	1	1	2	0	0	0
MRV head without IV contrast	Usuall approp		Expert Consensus	O 0 mSv	O 0 mSv [ped]	2	2	6	4	4	1	1	2	0	0	0
CTV head with IV contrast	Usuall approp		Expert Consensus	େଡେଡ 1-10 mSv	≎≎≎≎ 3- 10 mSv [ped]	2	2	9	2	4	0	2	1	0	0	0
MRV head without and with IV contrast	Usuall approp		Expert Consensus	O 0 mSv	O 0 mSv [ped]	2	2	9	10	0	0	0	0	0	0	0
MRI chest abdomen pelvis without and with IV contrast	Usuall approp	y not oriate	Limited	O 0 mSv	O 0 mSv [ped]	2	2	6	10	0	0	2	1	0	0	0
			References		Study	Quality										
			13 (23683541)			4										
			2 (24716559)			4										
MRV head with IV contrast	Usuall approp		Expert Consensus	O 0 mSv	O 0 mSv [ped]	2	2	8	11	0	0	0	0	0	0	0
CT chest abdomen pelvis with IV contrast	Usuall approp		Limited	ଡେଡେଡ 10-30 mSv	ଡଡଡଡ 3- 10 mSv [ped]	1	1	10	1	1	2	4	0	0	0	0
			References		Study	Quality										

		13 (23683541)			4										
		2 (24716559)			4										
CT chest abdomen pelvis without IV contrast	Usually not appropriate	Limited	֎֎֎֎ 10-30 mSv	ଢଢଢଢ 3- 10 mSv [ped]	1	1	15	2	1	0	0	0	0	0	0
		References		Stud	y Quality										
		13 (23683541)			4										
		2 (24716559)			4				_						
CT chest abdomen pelvis without and with IV contrast	Usually not appropriate	Limited	ତେତେତ 10-30 mSv	€€€€€ 10-30 mSv [ped]	1	1	14	1	2	0	1	0	0	0	0
		References		Study	y Quality										
		13 (23683541)			4										
		2 (24716559)			4										
MR spectroscopy head without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	11	1	3	2	1	0	0	0	0
MIBG scan	Usually not appropriate	Limited	ତତତ 1-10 mSv	≎≎≎≎≎ 3- 10 mSv [ped]	1	1	11	7	0	1	0	0	0	0	0
		References		Study	y Quality										
		13 (23683541)			4										
		2 (24716559)			4				_						
MRI chest abdomen pelvis without IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	1	1	10	0	2	5	1	0	0	0	0
		References		Study	y Quality										
		13 (23683541)			4										
		2 (24716559)			4										
CT complete spine without and with IV contrast	Usually not appropriate	Expert Consensus	ଡଡଡ ଡ 10-30 mSv	≎≎≎≎≎ 3- 10 mSv [ped]	1	1	14	2	2	0	0	0	0	0	0
CT complete spine without IV contrast	Usually not appropriate	Expert Consensus	ଡଡ ଡଡ 10-30 mSv	≎≎≎≎ 3- 10 mSv [ped]	1	1	13	3	2	0	0	0	0	0	0

CT complete spine with IV contrast	Usually not appropriate	Expert Consensus	ବ୍ୟବ୍ୟ 10-30 mSv	≎≎≎≎ 3- 10 mSv [ped]	1	1	14	2	1	0	0	0	1	0	0	
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Variant 2: Child. Acute ataxia, history of recent trauma. Initial imaging.

	Appropria	ateness	COT							F	'inal '	Tabu	latio	ns		
Procedure	Catego		SOE	Adults RRL	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
CT head without IV contrast	Usual appropr		Limited	֎֎֎ 1-10 mSv	&& 0.3- 3 mSv [ped]	9	9	0	0	0	0	1	0	1	2	14
			References		Study	Quality										
			7 (27789117)			4		-								
MRI head without IV contrast	Usual appropr		Limited	O 0 mSv	O 0 mSv [ped]	7	7	0	0	1	0	4	4	3	2	4
			References		Study	V Quality										
			4 (22595899)			4										
			26 (25535060)			2										
	_		33 (21292802)			4										
			32 (19863638)			4										
CTA head and neck with IV contrast	May appropr		Expert Consensus	֎֎֎ 1-10 mSv	ହତତତ 3- 10 mSv [ped]	6	6	0	0	0	1	6	4	8	0	0
CTA head with IV contrast	May appropr		Expert Consensus	ତତତ 1-10 mSv	000000 3- 10 mSv [ped]	5	5	0	0	0	0	15	3	1	0	0
CTA neck with IV contrast	May appropr		Expert Consensus	֎֎֎ 1-10 mSv	&& 0.3- 3 mSv [ped]	5	5	0	0	0	0	15	3	1	0	0
MRA head without IV contrast	May appropr		Expert Consensus	O 0 mSv	O 0 mSv [ped]	5	5	0	0	0	0	18	1	0	0	0
MRA head and neck without IV contrast	May appropr		Expert Consensus	O 0 mSv	O 0 mSv [ped]	5	5	0	0	0	0	17	2	0	0	0

MRA neck without IV contrast	May		Expert Consensus	O 0 mSv	O 0 mSv [ped]	5	5	0	0	0	0	18	1	0	0	0
MRA neck with IV contrast	approp May approp	be	Expert Consensus	O 0 mSv	O 0 mSv [ped]	5	5	0	0	0	5	13	1	0	0	0
MRI head without and with IV contrast	Usually	y not	Limited	O 0 mSv	O 0 mSv [ped]	3	3	4	4	4	4	2	0	1	0	0
			References		Study	Quality									1	
			4 (22595899)			4										
			26 (25535060)			2										
			33 (21292802)			4										
			32 (19863638)			4										
CT head with IV contrast	Usually approp		Limited	ତତତ 1-10 mSv		2	2	7	4	3	0	3	1	0	0	0
			References			Quality										
			7 (27789117)			4										
CT head without and with IV contrast	Usually approp		Limited	ତତତ 1-10 mSv	≎≎≎≎ 3- 10 mSv [ped]	2	2	9	2	3	0	3	1	0	0	0
			References			Quality		-								
			7 (27789117)		م م	4										
MRI complete spine without IV contrast	Usually approp		Expert Consensus	O 0 mSv	O 0 mSv [ped]	2	2	7	4	8	0	0	0	0	0	0
MRI complete spine without and with IV contrast	Usually approp		Expert Consensus	O 0 mSv	O 0 mSv [ped]	2	2	9	0	4	0	3	1	1	0	0
MRV head without IV contrast	Usually approp		Expert Consensus	O 0 mSv	O 0 mSv [ped]	2	2	9	10	0	0	0	0	0	0	0
CTV head with IV contrast	Usually approp		Expert Consensus	ତତତ 1-10 mSv	∞∞∞∞ 3- 10 mSv [ped]	2	2	9	3	1	2	1	2	0	0	0
MRV head and neck without IV contrast	Usually approp		Expert Consensus	O 0 mSv	O 0 mSv [ped]	2	2	7	12	0	0	0	0	0	0	0

CT complete spine without IV contrast	Usually not appropriate	Expert Consensus	ବ୍ଟବ୍ଟ 10-30 mSv	≎≎≎≎ 3- 10 mSv [ped]	2	2	7	3	9	0	0	0	0	0	0
MR spectroscopy head without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	16	0	0	1	1	0	0	0	0
MRV head without and with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	12	7	0	0	0	0	0	0	0
MRV head with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	12	7	0	0	0	0	0	0	0
CT complete spine without and with IV contrast	Usually not appropriate	Expert Consensus	ବ୍ଟବ୍ଟ 10-30 mSv	≎≎≎≎ 3- 10 mSv [ped]	1	1	10	3	2	1	2	0	0	0	0
CT complete spine with IV contrast	Usually not appropriate	Expert Consensus	ବେବେବ 10-30 mSv	���� 3- 10 mSv [ped]	1	1	10	3	2	1	2	0	0	0	0

Variant 3: Child. Recurrent ataxia with interval normal neurology examination. Initial imaging.

	Appropri	ateness	005				D (1				ŀ	Final	Tabu	latio	ns	_	
Procedure	Categ	gory	SOE	Adults RR	L	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
MRI head without IV contrast	Usua approp		Limited	O 0 mSv	/	O 0 mSv [ped]	8	8	0	0	0	0	1	1	6	3	7
			References			Study	Quality										
			1 (28257643)				4										
			1 (28257643) 34 (28043238)				4										
			25 (22764177)				4						-				
MRI head without and with IV contrast	May approp	be oriate	Limited	O 0 mSv	/	O 0 mSv [ped]	5	5	2	0	1	0	10	6	0	0	0
			References			Study	Quality										
			1 (28257643)				4										
			34 (28043238)				4										
			25 (22764177)				4										

MR spectroscopy head without IV contrast	May be appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	5	5	1	0	1	1	14	2	0	0	0
CTA neck with IV contrast	Usually not appropriate	Expert Consensus	ଝେଝ 1-10 mSv	≎≎≎ 0.3- 3 mSv [ped]	3	3	8	1	2	2	3	1	1	0	0
CTA head and neck with IV contrast	Usually not appropriate	Expert Consensus	ତତତ 1-10 mSv	≎≎≎≎≎ 3- 10 mSv [ped]	3	3	7	1	4	2	2	1	1	0	0
CT head without IV contrast	Usually not appropriate	Expert Consensus	ତତତ 1-10 mSv	��� 0.3- 3 mSv [ped]	2	2	6	11	1	0	0	0	1	0	0
MRA head without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	2	2	7	9	3	0	0	0	0	0	0
MRA head and neck without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	2	2	6	5	8	0	0	0	0	0	0
MRA neck without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	2	2	7	4	3	4	1	0	0	0	0
MRA neck with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	2	2	7	8	3	0	1	0	0	0	0
CTA head with IV contrast	Usually not appropriate	Expert Consensus	ତତତ 1-10 mSv	&&&& 3- 10 mSv [ped]	1	1	10	2	2	1	1	1	1	0	0
CT head with IV contrast	Usually not appropriate	Expert Consensus	ଡଡଡ 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	14	1	1	1	0	0	1	0	0
CT head without and with IV contrast	Usually not appropriate	Expert Consensus	ଡଡଡ 1-10 mSv	€€€€ 3- 10 mSv [ped]	1	1	14	0	1	0	3	0	0	0	0
MRI complete spine without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	14	4	0	0	1	0	0	0	0
MRI complete spine without and with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	12	1	1	1	2	1	0	0	0
MRV head without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	11	1	2	0	2	2	0	0	0

CTV head with IV contrast	Usually not appropriate	Expert Consensus	ତତତ 1-10 mSv	≎≎≎≎ 3- 10 mSv [ped]	1	1	12	2	1	1	1	1	0	0	0
MRV head without and with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	18	1	0	0	0	0	0	0	0
MRV head and neck without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	10	3	1	0	2	1	1	0	0
MRV head with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	17	2	0	0	0	0	0	0	0
CT complete spine without and with IV contrast	Usually not appropriate	Expert Consensus	ବ୍ୟବ୍ୟ 10-30 mSv	≎≎≎≎≎ 3- 10 mSv [ped]	1	1	17	0	1	0	0	0	0	0	0
CT complete spine without IV contrast	Usually not appropriate	Expert Consensus	ବ୍ତବ୍ତବ୍ତ 10-30 mSv	≎≎≎≎≎ 3- 10 mSv [ped]	1	1	16	0	2	0	0	0	0	0	0
CT complete spine with IV contrast	Usually not appropriate	Expert Consensus	ବ୍ୟବ୍ୟ 10-30 mSv	ଡଡଡଡ 3- 10 mSv [ped]	1	1	15	1	2	0	0	0	0	0	0

Variant 4: Child. Chronic progressive ataxia. Initial imaging.

	Appropriateness	COF			D (1				I	Final	Tabu	ilatio	ns		
Procedure	Category	SOE	Adults RRL	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
MRI head without IV contrast	Usually appropriate	Strong	O 0 mSv	O 0 mSv [ped]	8	8	0	0	0	0	1	0	3	6	8
		References		Study	v Quality										
		41 (21701895)			3										
		46 (19631275)			2										
		45 (22764178)			4										
		4 (22595899)			4										
		39 (22816526)			4										
		42 (29922574)			3										

			1 (28257643)				4									
			44 (27126632)				4									
			40 (20378176)				4									
			47 (30086112)				4									
			43 (27423800)				4									
			11 (27142713)				2									
			28 (26444039)				4									
			5 (23622410)				4									
			25 (22764177)				4								·	
MRI head without and with IV contrast	Usually appropria	y ate	Strong	O 0 mSv		O 0 mSv [ped]	8	8	0	0	0 0) 2	1	3	5	7
			References			Study	Quality									
			41 (21701895)				3									
			46 (19631275)				2									
			45 (22764178)				4									
			4 (22595899)				4									
			39 (22816526)				4									
			42 (29922574)				3									
			1 (28257643)				4									
			44 (27126632)				4									
			40 (20378176)				4									
			47 (30086112)				4									
			43 (27423800)				4									
			11 (27142713)				2									
			28 (26444039)				4									
			5 (23622410)				4									
			25 (22764177)				4	1								
CT head without IV contrast	May be appropria	e ate	Limited	ଡେଡେଡ 1-10 mSv)	&&& 0.3- 3 mSv [ped]	5	5	1	0	0	2 1	3 2	1	0	0
			References			Study	Quality									
			14 (26940752)				4									

		28 (26444039)			4										
MRI complete spine without IV contrast	May be appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	5	5	1	0	0	1	13	3	1	0	0
MRI complete spine without and with IV contrast	May be appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	5	5	1	0	0	0	15	3	0	0	0
CT head with IV contrast	Usually not appropriate	Limited	େଡେଡ 1-10 mSv	&&& 0.3- 3 mSv [ped]	3	3	6	3	2	2	3	2	0	0	0
		References		Study	/ Quality										
		14 (26940752)			4										
		28 (26444039)			4										
CT head without and with IV contrast	Usually not appropriate	Limited	ଝେଡେ 1-10 mSv	֎֎֎֎ 3- 10 mSv [ped]	2	2	8	2	1	1	4	2	0	0	0
		References		Study	Quality		•								
		14 (26940752)			4										
		28 (26444039)			4										
MRA head without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	2	2	8	3	1	2	2	2	0	0	0
MRA head and neck without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	2	2	8	4	1	1	2	2	0	0	0
MRA neck without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	2	2	9	3	1	1	2	2	0	0	0
MR spectroscopy head without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	2	2	7	3	2	0	7	0	0	0	0
CTA head with IV contrast	Usually not appropriate	Expert Consensus	େଡେଡ 1-10 mSv	֎֎֎֎ 3- 10 mSv [ped]	1	1	11	1	1	2	2	1	0	0	0
CTA neck with IV contrast	Usually not appropriate	Expert Consensus	ଡେଡ େ 1-10 mSv	&&& 0.3- 3 mSv [ped]	1	1	11	1	1	2	2	1	0	0	0

CTA head and neck with IV contrast	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv	≎≎≎≎ 3- 10 mSv [ped]	1	1	11	1	1	2	2	1	0	0	0
MRV head without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	11	3	0	0	2	2	0	0	0
CTV head with IV contrast	Usually not appropriate	Expert Consensus	ଝଝଝ 1-10 mSv	≎≎≎≎ 3- 10 mSv [ped]	1	1	13	1	0	2	2	0	0	0	0
MRV head without and with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	13	2	0	0	1	2	0	0	0
MRV head and neck without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	10	3	0	1	3	1	0	0	0
MRA neck with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	11	3	1	0	2	1	0	0	0
MRV head with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	13	2	0	0	1	2	0	0	0
CT complete spine without and with IV contrast	Usually not appropriate	Expert Consensus	ବ୍ରବ୍ରବ 10-30 mSv	≎≎≎≎ 3- 10 mSv [ped]	1	1	17	0	1	0	0	0	0	0	0
CT complete spine without IV contrast	Usually not appropriate	Expert Consensus	ବ୍ରବ୍ତବ୍ତ 10-30 mSv	≎≎≎≎ 3- 10 mSv [ped]	1	1	15	0	2	0	1	0	0	0	0
CT complete spine with IV contrast	Usually not appropriate	Expert Consensus	ବ୍ୟବ୍ୟ 10-30 mSv	≎≎≎≎ 3- 10 mSv [ped]	1	1	15	1	2	0	0	0	0	0	0

Variant 5: Child. Chronic nonprogressive ataxia. Initial imaging.

	Appropriateness	SOF			D.C				F	Final	Tabu	latio	ns		
Procedure	Category	SOE	Adults RR	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
MRI head without IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	9	9	0	0	0	1	0	0	1	3	13
		References	Study	/ Quality											

		4 (22595899)			4										
		52 (27785688)			3										
		43 (27423800)			4										
		6 (26413479)			3										
		32 (19863638)			4										
		50 (26132530)			4										
CT head without IV contrast	May be appropriate	Limited	ତେତେ 1-10 mSv	��� 0.3- 3 mSv [ped]	6	6	0	0	0	2	7	9	1	0	0
		References		Study	y Quality										
		14 (26940752)													
		28 (26444039)													
MRI complete spine without IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	0 mSv 5 5				0	0	16	2	0	0	0
		References		Study	y Quality			•							
		44 (27126632)		-	4										
CT head with IV contrast	Usually not appropriate	Limited	ତେତେ 1-10 mSv	≎≎≎ 0.3- 3 mSv [ped]	3	3	7	2	2	3	4	0	0	0	0
		References		Study	y Quality										
		14 (26940752)													
		28 (26444039)			4				_						
MRI head without and with IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	2	2	5	5	2	0	6	0	1	0	0
		References		Study	y Quality										
		4 (22595899)			4										
		52 (27785688)			3										
		43 (27423800)			4										
		6 (26413479)			3										
		32 (19863638)			4										
		50 (26132530)			4										

MRI complete spine without and with IV contrast	Usuall approp	Limited	O 0 mSv	O 0 mSv [ped]	2	2	5	5	3	5	1	0	0	0	0
		References		Study	/ Quality										
		44 (27126632)			4										
CTA head with IV contrast	Usuall approp	Expert Consensus	ତତତ 1-1(mSv)	1	1	11	3	1	1	1	1	0	0	0
CTA neck with IV contrast	Usuall approp	Expert Consensus	ଝେଡେଡ 1-1(mSv)	1	1	11	2	2	1	1	1	0	0	0
CT head without and with IV contrast	Usuall approp	Limited	ଝେଝେ 1-10 mSv)	1	1	10	2	2	2	2	0	0	0	0
		References		Study	Quality										
		14 (26940752)			4										
		28 (26444039)			4										
CTA head and neck with IV contrast	Usuall approp	Expert Consensus	ଝେଝେ 1-1(mSv)	1	1	11	3	1	0	2	1	0	0	0
MRA head without IV contrast	Usuall approp	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	10	3	1	1	2	1	0	0	0
MRA head and neck without IV contrast	Usuall approp	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	10	3	1	0	2	2	0	0	0
MRA neck without IV contrast	Usuall approp	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	10	3	1	1	2	1	0	0	0
MR spectroscopy head without IV contrast	Usuall approp	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	10	2	3	2	0	0	0	1	0
MRV head without IV contrast	Usuall approp	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	11	3	0	1	2	1	0	0	0
CTV head with IV contrast	Usuall approp	Expert Consensus	ଡଡଡ 1-1(mSv)	1	1	13	1	1	0	2	1	0	0	0

MRV head without and with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	13	2	0	0	1	2	0	0	0
MRV head and neck without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	11	3	0	0	3	1	0	0	0
MRA neck with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	11	3	1	0	2	1	0	0	0
MRV head with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	12	3	0	0	1	2	0	0	0
CT complete spine without and with IV contrast	Usually not appropriate	Expert Consensus	ବ୍ୟବ୍ୟ 10-30 mSv	≎≎≎≎ 3- 10 mSv [ped]	1	1	17	1	0	0	0	0	0	0	0
CT complete spine without IV contrast	Usually not appropriate	Expert Consensus	ବ୍ତବ୍ତବ୍ତ 10-30 mSv	≎≎≎≎ 3- 10 mSv [ped]	1	1	15	1	1	0	1	0	0	0	0
CT complete spine with IV contrast	Usually not appropriate	Expert Consensus	ବେବେବ 10-30 mSv	ତତତତ 3- 10 mSv [ped]	1	1	16	2	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.