## American College of Radiology ACR Appropriateness Criteria®

**Lung Cancer: Surveillance After Therapy** 

Variant 1: Adult. Noninvasive imaging surveillance following treatment of stage I-III non-small-cell lung cancer. Routine surveillance.

	Appropri	ateness	COL	4.1.14. DD		n i nnr	D (1	3.6.19			F	inal '	Tabu	lation	ns		
Procedure	Categ	ory	SOE	Adults RR	L H	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
CT chest with IV contrast	Usua approp		Strong	��� 1-10 mSv		ହେତ≎ତ 3- 10 mSv [ped]	9	9	1	0	0	0	0	1	3	2	11
			References			Study	Quality										
			15 (23127371)				4										
			16 (22859511)				2										
			19 (28225653)				4										
			14 (28881918)				4										
			13 (23649451)				4										
			11 (-3196828)				4										
			12 (34481037)				4										
			17 (21892108)			G	Good										
			18 (34051381)				2										
CT chest without IV contrast	May approp (Disagre	riate	Expert Opinion	��� 1-10 mSv		\$\$\$\$ 3- 10 mSv [ped]	5	5	0	0	0	3	0	1	4	4	4
			References			Study	Quality										
			ent)				4										
			20 (23996838)				4										
CT abdomen and pelvis with IV contrast	Usually approp		Limited	��� 1-10 mSv		❤️❤️❤ 3- 10 mSv [ped]	3	3	5	3	5	1	2	1	1	0	0

		References		Study	y Quality										
		5 (31829901)			4										
		3 (35545176)			4										
CT chest abdomen pelvis with IV contrast	Usually not appropriate	Limited	���⊕ 10-30 mSv	���� 3- 10 mSv [ped]	3	3	4	4	6	2	0	0	0	0	0
		References		Study	y Quality		<u> </u>								
		5 (31829901)			4										
		11 (-3196828)			4										
CT chest abdomen pelvis without IV contrast	Usually not appropriate	Limited	���⊕ 10-30 mSv	���� 3- 10 mSv [ped]	3	3	6	2	4	2	2	1	1	0	0
		References		Study	y Quality		-								
		5 (31829901)			4										
		3 (35545176)			4										
CT neck with IV contrast	Usually not appropriate	Expert Consensus	<b>≎≎≎</b> 1-10 mSv	��� 0.3- 3 mSv [ped]	3	3	8	1	5	2	0	2	0	0	0
MRI chest without and with IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	3	3	8	1	4	2	2	0	1	0	0
		References		Study	y Quality		-								
		33 (22434450)			4										
		32 (18374761)			2										
		34 (21928189)			4										
FDG-PET/CT skull base to mid- thigh	Usually not appropriate	Strong	���� 10-30 mSv	���� 3- 10 mSv [ped]	3	3	3	3	7	0	3	0	0	0	0
		References		Study	y Quality										
		29 (32909168)			2										
		5 (31829901)			4										
		8 (30292847)			1										
		3 (35545176)			4										
		26 (23317944)			2										

		21 (22051	.278)		2										
		27 (19398	3291)		2										
		4 (22305)	958)		4										
		23 (22914	1804)		2										
		22 (17257	7962)		2										
		24 (19046	6631)		2										
		25 (25012	2832)		2										
		28 (20005	5529)		2										
CT abdomen and pelvis without IV contrast	Usually no appropria		��� 1-1 mSv	0	2	2	9	3	2	1	2	1	0	0	0
		Referen	ces		ly Quality			-		•	•	•			
		5 (31829	901)		4										
		3 (35545			4										
CTA chest with IV contrast	Usually no appropriate		s	0	2	2	5	4	7	0	0	0	0	0	0
CT chest without and with IV contrast	Usually no appropriate		s	9999	2	2	6	5	4	1	0	0	0	0	0
CT chest abdomen pelvis without and with IV contrast	Usually no appropria		ଡଡ଼ଡ଼ଡ଼ 10- mSv	***	2	2	7	5	2	1	1	1	1	0	0
		Referen	ces	Stud	ly Quality		•	-							
		5 (31829	901)		4										
		3 (35545	176)		4										
CT head with IV contrast	Usually no appropria	ot Limited		0	2	2	8	5	1	1	2	1	0	0	0
		Referen	ces	Stud	ly Quality										
		5 (31829	901)		4										
		3 (35545	176)		4										
	<u> </u>			<u> </u>											

CT neck without IV contrast	Usuall: approp	Expert Consensus	୫୫୫ 1-1 mSv	0	��� 0.3- 3 mSv [ped]	2	2	9	2	4	1	0	1	1	0	0
MRI chest without IV contrast	Usuall <sub>i</sub>	Limited	O 0 mS\	v	O 0 mSv [ped]	2	2	9	4	2	0	2	0	1	0	0
		References			Study	Quality						,				
		33 (22434450)				4										
		32 (18374761)				2										
		34 (21928189)				4										
MRI head without IV contrast	Usually approp	Expert Consensus	O 0 mSv	v	O 0 mSv [ped]	2	2	4	8	4	0	0	0	0	0	0
MRI head without and with IV contrast	Usualli approp	Moderate	O 0 mS\	v	O 0 mSv [ped]	2	2	6	5	4	0	1	0	0	0	0
		References			Study	Quality										
		5 (31829901)				4										
		35 (24606446)			G	Good										
		36 (23860613)				4										
Radiography chest	Usuall approp	Strong	<b>≎</b> <0.1 mS	Sv	<b>≎</b> <0.03 mSv [ped]	2	2	5	6	5	0	0	0	0	0	0
		References			Study	Quality										
		37 (24139896)				2										
		8 (30292847)				1			1							
CTA chest without and with IV contrast	Usually approp	Expert Consensus	��� 1-1 mSv	0		2	2	9	1	4	0	2	1	0	1	0
CT abdomen and pelvis without and with IV contrast	Usuall approp	Limited	���� 10- mSv	-30	����� 10-30 mSv [ped]	1	1	11	1	2	1	2	1	0	0	0
		 References	<u> </u>	Study	Quality											
		5 (31829901)		4												

4

3 (35545176)

CT head without IV contrast	Usually not appropriate	Expert Consensus	<b>≎≎≎</b> 1-10 mSv	��� 0.3- 3 mSv [ped]	1	1	10	1	3	3	0	1	0	0	0
CT head without and with IV contrast	Usually not appropriate	Expert Consensus	<b>≎≎≎</b> 1-10 mSv	���� 3- 10 mSv [ped]	1	1	9	3	2	0	0	2	0	0	0
CT neck without and with IV contrast	Usually not appropriate	Expert Consensus	୫୫୫ 1-10 mSv	���� 3- 10 mSv [ped]	1	1	10	3	2	1	0	1	1	0	0
Bone scan whole body	Usually not appropriate	Expert Consensus	ଫଫଫ 1-10 mSv	���� 3- 10 mSv [ped]	1	1	10	3	2	1	1	0	1	0	0

Variant 2: Adult. Noninvasive imaging surveillance following treatment of stage I-III small-cell lung cancer. Routine surveillance.

n .	Appropri	ateness	COL	4 1 14 DE	\ <b>T</b>	D 1 DD1	ъ.	3.5.11			I	inal	Tabu	latio	ns		
Procedure	Categ	gory	SOE	Adults RR	<b>K</b> L	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
CT chest with IV contrast	Usua approp		Limited	��� 1-1 mSv	0	���� 3- 10 mSv [ped]	8	8	1	0	1	0	2	0	2	4	8
			References			Study	Quality										
			46 (25310425)				4										
			44 (23649448)				4										
			45 (30323087)				4										
			42 (34902832)				4										
MRI head without IV contrast	Usua approp		Expert Consensus	O 0 mS\	V	O 0 mSv [ped]	7	7	0	1	0	1	3	2	6	3	0
MRI head without and with IV contrast	Usua approp		Limited	O 0 mS\	V	O 0 mSv [ped]	7	7	0	1	0	0	0	0	8	4	3
			References			Study	Quality		•			•	•		•		
			5 (31829901)				4										
			50 (23307984)	·			4										

CT chest abdomen pelvis with IV contrast	May be appropriate	Limited	���� 10-3 mSv	0	5	5	0	0	0	2	10	2	1	1	0
		References		Study	Quality										
		44 (23649448)			4										
		45 (30323087)			4										
		43 (32723523)			4										
FDG-PET/CT skull base to mid-thigh	May be appropriate	Limited	���� 10-3 mSv	0	5	5	0	0	5	3	7	0	1	0	0
		References		Study	Quality										
		49 (23307985)			4										
		47 (21409347)			3										
		48 (19921339)			3										
		39 (27726427)			4										
		50 (23307984)			4										
		51 (25613535)			2										
CTA chest with IV contrast	Usually not appropriate	Expert Consensus	<b>≎≎≎</b> 1-10 mSv	���� 3- 10 mSv [ped]	3	3	6	2	8	0	0	0	0	0	0
CT chest without IV contrast	Usually not appropriate	Limited	<b>≎≎≎</b> 1-10 mSv	00002	3	3	2	3	6	0	3	2	0	0	0
		References		Study	Quality										
		39 (27726427)			4										
		5 (31829901)			4										
CT chest abdomen pelvis without IV contrast	Usually not appropriate	Limited	<b>≎≎≎≎</b> 10-3 mSv	0	3	3	2	5	3	3	3	1	0	1	0
		References		Study	Quality										
		42 (34902832)			4										
Bone scan whole body	Usually not appropriate	Moderate	<b>≎≎≎</b> 1-10 mSv	���� 3- 10 mSv [ped]	3	3	6	1	3	4	4	0	0	0	0
		References		Study	Quality		<u> </u>								

		41 (21354739)			Good										
		40 (-3196830)			4										
CT abdomen and pelvis with IV contrast	Usuall; approp	Limited	��� 1-10 mSv	���� 3- 10 mSv [ped]	2	2	5	5	5	1	0	0	0	0	0
		References		Stuc	ly Quality										
		5 (31829901)			4										
		42 (34902832)			4										
CT abdomen and pelvis without IV contrast	Usuall approp	Limited	��� 1-10 mSv	���� 3- 10 mSv [ped]	2	2	7	5	2	1	1	1	1	0	0
		References		Stuc	ly Quality										
		5 (31829901)			4										
CT abdomen and pelvis without and with IV contrast	Usuall approp	Limited	ଡେଡେଡ 10-3 mSv	0 10-30 mSv [ped]	2	2	8	2	3	1	2	2	0	0	0
		References		Stuc	ly Quality										
		5 (31829901)			4										
CT chest without and with IV contrast	Usuall approp	Expert Consensus	��� 1-10 mSv	���� 3- 10 mSv [ped]	2	2	7	5	3	1	0	0	0	0	0
CT chest abdomen pelvis without and with IV contrast	Usuall approp	Limited	���� 10-3 mSv	0 10-30 mSv [ped]	2	2	5	7	3	1	0	0	0	0	0
		References		Stuc	ly Quality										
		5 (31829901)			4										
CT head with IV contrast	Usuall approp	Limited	��� 1-10 mSv	��� 0.3- 3 mSv [ped]	2	2	6	3	2	1	4	0	0	0	0
		References		Stuc	ly Quality										
		42 (34902832)			4										
CT head without IV contrast	Usuall: approp	Limited	��� 1-10 mSv	��� 0.3- 3 mSv [ped]	2	2	6	4	3	1	4	0	0	0	0

		References		Study	y Quality										
		42 (34902832)			4										
CT head without and with IV contrast	Usuall approp	Expert Consensus	��� 1-10 mSv	99993- 10 mSv [ped]	2	2	8	4	2	0	1	1	0	0	0
CT neck with IV contrast	Usuall approp	Expert Consensus	��� 1-10 mSv	⊕⊕⊕ 0.3- 3 mSv [ped]	2	2	9	2	3	1	2	0	1	0	0
CT neck without IV contrast	Usuall approp	Expert Consensus	& & 1-10 mSv	⊕⊕⊕ 0.3- 3 mSv [ped]	2	2	8	3	3	0	2	0	2	0	0
CT neck without and with IV contrast	Usuall approp	Expert Consensus	<b>≎≎≎</b> 1-10 mSv	⊕⊕⊕⊕ 3- 10 mSv [ped]	2	2	9	2	3	1	2	0	1	0	0
MRI chest without IV contrast	Usuall approp	Limited	O 0 mSv	O 0 mSv [ped]	2	2	9	3	1	2	2	1	0	0	0
		References		Study	y Quality										
		33 (22434450)			4										
		32 (18374761)			2										
		34 (21928189)			4										
Radiography chest	Usuall approp	Limited	<b>≎</b> <0.1 mS	v	2	2	7	4	4	0	1	0	0	0	0
		References		Study	y Quality										
		5 (31829901)			4										
		52 (19819917)			4										
		53 (12527585)			4										
CTA chest without and with IV contrast	Usuall approp	Expert Consensus	��� 1-10 mSv		2	2	8	4	4	0	0	0	0	0	0
MRI chest without and with IV contrast	Usuall: approp	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	9	5	2	0	0	0	0	0	0

Variant 3: Adult. Posttreatment evaluation of stage I-III non-small-cell lung cancer. Suspected recurrence or progression.

D 1	Appropriateness	COF	4 1 14 DDI	D I DDI	D. 4	34.11			F	inal	Tabu	latio	ıs		
Procedure	Category	SOE	Adults RRL	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
CT chest with IV contrast	Usually appropriate	Strong	��� 1-10 mSv	���� 3- 10 mSv [ped]	9	9	1	0	0	0	1	0	4	3	9
		References		Study	Quality										
		37 (24139896)			2										
		61 (11978336)			1										
		60 (15620991)			Good										
		62 (33731050)			1										
		8 (30292847)			1										
		63 (26291011)			2										
		9 (31841793)			2		_	1	1	1	1	1	ı	1	
FDG-PET/CT skull base to mid- thigh	Usually appropriate	Strong	୫୫୫୫ 10-30 mSv	9	8	8	1	0	1	0	1	5	1	4	5
		References		Study	Quality										
		54 (22727222)			4										
		65 (9159703)			4										
		41 (21354739)		C	Good										
		8 (30292847)			1										
		42 (34902832)			4										
		58 (20547021)			2										
		21 (22051278)			2										
		23 (22914804)			2										
		55 (23811122)			2										
		6 (-3196827)			4										
		66 (23927734)			4		_								
CT chest without IV contrast	Usually appropriate	Limited	��� 1-10 mSv	���� 3- 10 mSv [ped]	7	7	0	1	0	1	3	1	4	3	3
		References		Study	Quality										

	ſ														
		19 (28225653) 20 (23996838) 18 (34051381)			4										
		20 (23996838)			4										
		18 (34051381)			2										
MRI head without and with IV contrast	Usua approp	Limited	O 0 mSv	O 0 mSv [ped]	7	7	1	0	1	0	0	0	7	2	5
		References		Study	/ Quality										
		64 (23649440)			4										
		6 (-3196827)			4										
CT chest abdomen pelvis with IV contrast	May approp	Limited	���� 10-30 mSv	0	6	6	0	0	0	0	4	5	2	5	0
		References		Study	Quality										
		20 (23996838)			4										
CT abdomen and pelvis with IV contrast	May approp	Expert Consensus	��� 1-10 mSv	���� 3- 10 mSv [ped]	5	5	1	0	0	5	6	4	0	0	0
CTA chest with IV contrast	May approp	Expert Consensus	��� 1-10 mSv	���� 3- 10 mSv [ped]	5	5	0	0	0	3	12	1	0	0	0
CT head with IV contrast	May approp	Limited	��� 1-10 mSv	��� 0.3- 3 mSv [ped]	5	5	0	0	0	3	8	4	1	0	0
		References		Study	Quality										
		64 (23649440)			4										
CT neck with IV contrast	May approp	Expert Consensus	��� 1-10 mSv	��� 0.3- 3 mSv [ped]	5	5	0	1	4	2	8	2	1	0	0
MRI chest without and with IV contrast	May approp	Limited	O 0 mSv	O 0 mSv [ped]	5	5	0	2	0	4	9	1	0	0	0
		References		Study	/ Quality										_
		67 (23593186)			2										
MRI head without IV contrast	May approp	Expert Consensus	O 0 mSv	O 0 mSv [ped]	5	5	0	1	0	1	9	3	2	0	0

Radiography chest	May be	e ate	Strong	<b></b> <0.1 mS	5v		5	5	1	1	1	1	8	4	0	0	0
			References			Study	Quality										
			37 (24139896)				2										
			8 (30292847)				1										
Bone scan whole body	May be	e ate	Moderate	<b>≎≎≎</b> 1-10 mSv	)	���� 3- 10 mSv [ped]	4	4	1	1	4	5	7	0	0	0	0
			References			Study	Quality										
			41 (21354739)			(	Good										
			59 (18300765)				4										
CT chest abdomen pelvis without IV contrast	Usually r appropria		Limited	<b>����</b> 10-3 mSv	30	���� 3- 10 mSv [ped]	3	3	2	2	6	2	4	1	1	0	0
			References			Study	Quality										
			46 (25310425)				4										
CT head without IV contrast	Usually r appropria		Expert Consensus	<b>≎≎≎</b> 1-10 mSv	)	��� 0.3- 3 mSv [ped]	3	3	2	5	3	5	1	1	1	0	0
CT neck without IV contrast	Usually r appropria		Expert Consensus	<b>≎≎≎</b> 1-10 mSv	)	��� 0.3- 3 mSv [ped]	3	3	3	4	4	4	2	0	1	0	0
CT neck without and with IV contrast	Usually r appropria		Expert Consensus	��� 1-10 mSv	)	���� 3- 10 mSv [ped]	3	3	4	3	5	3	1	0	2	0	0
MRI chest without IV contrast	Usually r appropria		Strong	O 0 mSv		O 0 mSv [ped]	3	3	3	4	6	1	3	0	1	0	0

References	Study Quality
33 (22434450)	4
32 (18374761)	2
34 (21928189)	4
68 (30856554)	2

CT abdomen and pelvis without IV contrast	Usually not appropriate	Expert Consensus	୫୫୫ 1-10 mSv	���� 3- 10 mSv [ped]	2	2	3	10	2	1	0	0	0	0	0
CT abdomen and pelvis without and with IV contrast	Usually not appropriate	Expert Consensus	���� 10-30 mSv	<b>≎≎≎≎≎</b> 10-30 mSv [ped]	2	2	5	7	3	1	0	0	0	0	0
CT chest without and with IV contrast	Usually not appropriate	Expert Consensus	<b>≎≎≎</b> 1-10 mSv	���� 3- 10 mSv [ped]	2	2	5	5	5	1	0	0	0	0	0
CT chest abdomen pelvis without and with IV contrast	Usually not appropriate	Expert Consensus	<del>ଡ</del> େଡେଡ 10-30 mSv	<b>≎≎≎≎≎</b> 10-30 mSv [ped]	2	2	4	6	5	1	0	0	0	0	0
CT head without and with IV contrast	Usually not appropriate	Expert Consensus	୫୫୫ 1-10 mSv	���� 3- 10 mSv [ped]	2	2	4	6	4	1	0	1	0	0	0
CTA chest without and with IV contrast	Usually not appropriate	Expert Consensus	��� 1-10 mSv		2	2	6	5	4	1	0	0	0	0	0

Variant 4: Adult. Posttreatment evaluation of stage I-III small-cell lung cancer. Suspected recurrence or progression.

Duocoduno	Appropri	ateness	SOE SOE	Adults RR	D I DDI	D (1	3.5 11	Final Tabulations											
Procedure	Categ				KL .	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9		
CT chest with IV contrast	Usua approp	.*	. Limited		0	���� 3- 10 mSv [ped]	8	8	0	0	0	0	1	0	7	4	4		
		References				Study	Quality												
			5 (31829901)																
			42 (34902832)								_								
CT chest abdomen pelvis with IV contrast	Usua approp		Limited	<b>≎≎≎≎</b> 10- mSv	-30	���� 3- 10 mSv [ped]	8	8	0	0	0	0	0	1	5	5	5		
			References			Study	Quality												
		43 (32723523)					4												

		73 (28778345) 2																	
MRI head without and with IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	8	8	0	0	0	1	0	0	3	8	4				
		References		Study	Quality				•										
		78 (18311784)		_	3														
		50 (23307984)			4														
		42 (34902832) 4																	
FDG-PET/CT skull base to mid- thigh	Usually appropriate	Strong	୫୫୫୫ 10-30 mSv	���� 3- 10 mSv [ped]	8	8	0	1	0	0	2	4	1	5	5				
		References		Study	Quality														
		74 (15258700)																	
		39 (27726427)																	
		77 (26837337)			2														
		51 (25613535)			2														
		76 (24081215)																	
		75 (24777290)																	
CT abdomen and pelvis with IV contrast	May be appropriate	Limited	��� 1-10 mSv	���� 3- 10 mSv [ped]	5	5	0	0	0	1	13	0	1	0	1				
		References		Study	Quality						13 0 1 0								
		43 (32723523)			4														
		42 (34902832)			4														
		6 (-3196827)			4														
CTA chest with IV contrast	May be appropriate	Expert Consensus	��� 1-10 mSv	≎≎≎≎ 3- 10 mSv [ped]	5	5	0	0	0	5	8	3	0	0	0				
CT chest without IV contrast	May be appropriate	Limited	��� 1-10 mSv	≎≎≎≎ 3- 10 mSv [ped]	5	5	0	0	0	1	9	6	0	0	0				
		References		Study															
		5 (31829901)		4															

CT chest abdomen pelvis without IV contrast	May approp	Expert Consensus	���� 10-30 mSv	���� 3- 10 mSv [ped]	5	5	0	2	0	1	9	4	0	0	0
CT head with IV contrast	May approp	Limited	<b>��</b> � 1-10 mSv	��� 0.3- 3 mSv [ped]	5	5	0	0	0	1	9	5	1	0	0
		References		Study	y Quality										
		43 (32723523)			4										
		42 (34902832)													
CT neck with IV contrast	May approp	Expert Consensus	��� 1-10 mSv	��� 0.3- 3 mSv [ped]	5	5	0	1	0	1	11	3	0	0	0
MRI head without IV contrast	May approp	Expert Consensus	O 0 mSv	O 0 mSv [ped]	5	5	0	0	0	2	10	4	0	0	0
Bone scan whole body	May approp	Moderate	��� 1-10 mSv	���� 3- 10 mSv [ped]	5	5	0	0	2	1	12	1	0	0	0
		References		Study	y Quality										
		41 (21354739)		(											
		40 (-3196830)			4										
Radiography chest	May approp	Limited	<b>♦ &lt;</b> 0.1 mSv		5	5	1	1	0	3	7	3	0	1	0
	•	References		Study	y Quality		_								
		37 (24139896)			2										
		52 (19819917)			4		_								
CT head without IV contrast	May approp	Limited	<b>≎≎</b> ≎ 1-10 mSv	��� 0.3- 3 mSv [ped]	4	4	3	3	3	7	1	0	1	0	0
		References		Study	y Quality										
		42 (34902832)			4										
MRI chest without and with IV contrast	May approp	Expert Consensus	O 0 mSv	O 0 mSv [ped]	4	4	2	3	3	3	5	1	1	0	0

CT neck without IV contrast	Usuall approp		Expert Consensus	��� 1-10 mSv	��� 0.3- 3 mSv [ped]	3	3	2	3	6	6	0	0	1	0	0
MRI chest without IV contrast	Usually not appropriate		Limited	O 0 mSv	O 0 mSv [ped]	3	3	2	5	4	5	2	0	0	0	0
		References			Study	Quality		•				•	•		•	
			68 (30856554)			2										
CT abdomen and pelvis without IV contrast	Usuall approp		Expert		���� 3- 10 mSv [ped]	2	2	3	8	4	0	0	1	0	0	0
CT abdomen and pelvis without and with IV contrast	Usuall approp		Limited 💝��� 10-30 mSv		⊕⊕⊕⊕⊕ 10-30 mSv [ped]	2	2	7	3	2	2	2	0	1	0	1
			References		Study	Quality										
			43 (32723523)			4										
			42 (34902832)				_									
CT chest without and with IV contrast	Usuall approp		Expert Consensus	��� 1-10 mSv	���� 3- 10 mSv [ped]	2	2	4	5	7	0	0	0	0	0	0
CT chest abdomen pelvis without and with IV contrast	Usuall approp		Expert Consensus	ଡ଼େଡ଼େଡ଼ 10-30 mSv	⊕⊕⊕⊕⊕ 10-30 mSv [ped]	2	2	5	4	6	0	0	1	0	0	0
CT head without and with IV contrast	Usuall approp		Expert Consensus	��� 1-10 mSv	���� 3- 10 mSv [ped]	2	2	4	6	4	0	0	2	0	0	0
CT neck without and with IV contrast	Usuall approp		Expert Consensus	��� 1-10 mSv	���� 3- 10 mSv [ped]	2	2	6	4	4	2	0	0	2	0	0
CTA chest without and with IV contrast	Usuall approp		Expert Consensus	��� 1-10 mSv		2	2	8	2	4	2	1	0	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.