# American College of Radiology ACR Appropriateness Criteria<sup>®</sup>

## 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				_				I	Final	Tabu	latio	ns		
Procedure	Categ	gory	SOE	Adults RRL	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
CT chest with IV contrast	Usua approp		Strong	ତତତ 1-10 mSv	≎≎≎≎ 3- 10 mSv [ped]	9	9	1	0	0	0	0	1	3	2	11
			References		Study	y Quality										
			19 (28225653)			4										
			18 (34051381)			2										
			17 (21892108)		(	Good										
			16 (22859511)			2										
			15 (23127371)			4										
			14 (28881918)			4										
			13 (23649451)			4										
			12 (34481037)			4										
	1		11 (-3196828)			4										
CT chest without IV contrast	May approp (Disagree	riate	Expert Opinion	֎֎֎ 1-10 mSv	֎֎֎֎ 3- 10 mSv [ped]	5	5	0	0	0	3	0	1	4	4	4
			References		Study	y Quality										
			5 (31829901)			4										
			20 (23996838)			4							-			
CT abdomen and pelvis with IV contrast	Usually approp		Limited	ତତତ 1-10 mSv	େହେତେ 3- 10 mSv [ped]	3	3	5	3	5	1	2	1	1	0	0

		References		Study	y Quality										
		3 (35545176)			4										
		5 (31829901)			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										
		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		Stud	y Quality										
		3 (35545176)			4										
		5 (31829901)			4										
CT neck with IV contrast	Usually not appropriate	Expert Consensus	ଷଟ୍ଟେ 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										
		34 (21928189)			4										
		33 (22434450)			4										
		32 (18374761)		-	2										
FDG-PET/CT skull base to mid- thigh	Usually not appropriate	Strong	֎֎֎֎ 10-30 mSv	ତତତତ 3- 10 mSv [ped]	3	3	3	3	7	0	3	0	0	0	0
		References		Stud	y Quality										
		29 (32909168)			2										
		28 (20005529)			2										
		27 (19398291)			2										
		26 (23317944)			2										
		25 (25012832)			2										

			24 (19046631)			2										
			23 (22914804)			2										
			22 (17257962)			2										
			21 (22051278)			2										
			8 (30292847)			1										
			5 (31829901)			4										
			4 (22305958)			4										
			3 (35545176)			4										
CT abdomen and pelvis without IV contrast	Usuall approp		Limited	ତତତ 1-10 mSv	<b>≎≎≎≎</b> 3- 10 mSv [ped]	2	2	9	3	2	1	2	1	0	0	0
			References		Study	y Quality										
			3 (35545176)			4										
			5 (31829901)			4										
CTA chest with IV contrast	Usuall: approp		Expert Consensus	<del>ଷଷଷ</del> 1-10 mSv	ଡଡଡଡଡ 3- 10 mSv [ped]	2	2	5	4	7	0	0	0	0	0	0
CT chest without and with IV contrast	Usuall approp	y not priate	Expert Consensus	ତତତ 1-10 mSv	0000000000000000000000000000000000000	2	2	6	5	4	1	0	0	0	0	0
CT chest abdomen pelvis without and with IV contrast	Usuall approp	y not priate	Limited	ବଟଟଟ 10-30 mSv	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	2	2	7	5	2	1	1	1	1	0	0
			References		Study	y Quality										
			3 (35545176)			4										
			5 (31829901)			4										
CT head with IV contrast	Usuall approp		Limited	ତତତ 1-10 mSv	& the two sets of two sets of the two sets of	2	2	8	5	1	1	2	1	0	0	0
			References		Study	y Quality										
			3 (35545176)			4										
			5 (31829901)			4										

CT neck without IV contrast	Usually appropr	Expert Consensus	ତ୍ତେତ 1-10 mSv	≎≎≎ 0.3- 3 mSv [ped]	2	2	9	2	4	1	0	1	1	0	0
MRI chest without IV contrast	Usually appropr	Limited	O 0 mSv	O 0 mSv [ped]	2	2	9	4	2	0	2	0	1	0	0
		References		Study	y Quality		•								
		34 (21928189)			4										
		33 (22434450)			4										
		32 (18374761)			2										
MRI head without IV contrast	Usually appropr	Expert Consensus	O 0 mSv	O 0 mSv [ped]	2	2	4	8	4	0	0	0	0	0	0
MRI head without and with IV contrast	Usually appropr	Moderate	O 0 mSv	O 0 mSv [ped]	2	2	6	5	4	0	1	0	0	0	0
		References		Study	y Quality										
		5 (31829901)			4										
		35 (24606446)		(	Good										
		36 (23860613)			4			-	-		-				
Radiography chest	Usually appropr	Strong	<b>ଡ</b> <0.1 mSv		2	2	5	6	5	0	0	0	0	0	0
		References		Study	y Quality										
		8 (30292847)			1										
		37 (24139896)			2						-				
CTA chest without and with IV contrast	Usually appropr	Expert Consensus	<del>ଡେଡ</del> େ 1-10 mSv		2	2	9	1	4	0	2	1	0	1	0
CT abdomen and pelvis without and with IV contrast	Usually appropr	Limited	ଡଡଡଡ 10-30 mSv	<del>ହହହହହ</del> 10-30 mSv [ped]	1	1	11	1	2	1	2	1	0	0	0
		References		Study	y Quality										
		3 (35545176)			4										
		5 (31829901)			4										

CT head without IV contrast	Usually not appropriate	Expert Consensus	ତତତ 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	ଝଝଝ 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	ତ୍ତତତ 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	ତେତେ 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.

	Appropriateness	700			<b>D</b> (1				I	Final	Tabu	latio	ns		
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	Limited	ତତତ 1-10 mSv	≎ତତତ 3- 10 mSv [ped]	8	8	1	0	1	0	2	0	2	4	8
		References		Study	Quality										
		46 (25310425)			4										
		45 (30323087)			4										
		44 (23649448)			4										
		42 (34902832)			4										
MRI head without IV contrast	Usually appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	7	7	0	1	0	1	3	2	6	3	0
MRI head without and with IV contrast	Usually appropriate	Limited	O 0 mSv	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	<del>ଷଷଷଷ</del> 10-30 mSv	€€€€ 3- 10 mSv [ped]	5	5	0	0	0	2	10	2	1	1	0
		References		Study	/ Quality										
		45 (30323087)			4										
		44 (23649448)			4										
		43 (32723523)			4										
FDG-PET/CT skull base to mid- thigh	May be appropriate	Limited	ତତତତ 10-30 mSv	≎≎≎≎ 3- 10 mSv [ped]	5	5	0	0	5	3	7	0	1	0	0
		References		Study	Quality										
		51 (25613535)			2										
		50 (23307984)			4										
		49 (23307985)			4										
		48 (19921339)			3										
		47 (21409347)			3										
		39 (27726427)			4										
CTA chest with IV contrast	Usually not appropriate	Expert Consensus	େଡେେ 1-10 mSv	ତତତତ 3- 10 mSv [ped]	3	3	6	2	8	0	0	0	0	0	0
CT chest without IV contrast	Usually not appropriate	Limited	ତେତେ 1-10 mSv	€ € € € 3- 10 mSv [ped]	3	3	2	3	6	0	3	2	0	0	0
		References		Study	Quality										
		5 (31829901)			4										
		39 (27726427)			4										
CT chest abdomen pelvis without IV contrast	Usually not appropriate	Limited	ଡଡଡଡ 10-30 mSv	<del>ତତତତ</del> 3- 10 mSv [ped]	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	ଝେଝ 1-10 mSv	େବେବେତ 3- 10 mSv [ped]	3	3	6	1	3	4	4	0	0	0	0
		References		Study	Quality										

		40 (-3196830)			4										
		41 (21354739)		(	Good										
CT abdomen and pelvis with IV contrast	Usually approp	Limited	֎֎֎ 1-10 mSv	≎≎≎≎ 3- 10 mSv [ped]	2	2	5	5	5	1	0	0	0	0	0
		References		Study	y Quality										
		5 (31829901)			4										
		42 (34902832)			4					_					
CT abdomen and pelvis without IV contrast	Usually approp	Limited	ଷଷଷ 1-10 mSv	ତତତତ 3- 10 mSv [ped]	2	2	7	5	2	1	1	1	1	0	0
		References		Study	y Quality										
		5 (31829901)			4										
CT abdomen and pelvis without and with IV contrast	Usually approp	Limited	ତ®ତତତ 10-30 mSv	€€€€€ 10-30 mSv [ped]	2	2	8	2	3	1	2	2	0	0	0
		References		Study	y Quality										
		5 (31829901)			4										
CT chest without and with IV contrast	Usually approp	Expert Consensus	ବ୍ୟବ୍ତ 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	Usually approp	Limited	֎֎֎֎ 10-30 mSv	&&&& 10-30 mSv [ped]	2	2	5	7	3	1	0	0	0	0	0
		References		Study	y Quality										
		5 (31829901)		_	4										
CT head with IV contrast	Usually approp	Limited	ତତତ 1-10 mSv	≎≎≎ 0.3- 3 mSv [ped]	2	2	6	3	2	1	4	0	0	0	0
		References		Study	y Quality										_
		42 (34902832)			4										
CT head without IV contrast	Usually approp	Limited	ତତତ 1-10 mSv	ତତତ 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	ତତତ 1-1 mSv	0	&&& 3- 10 mSv [ped]	2	2	8	4	2	0	1	1	0	0	0
CT neck with IV contrast	Usuall approp	y not oriate	Expert Consensus	ତତତ 1-1 mSv	0	≎≎≎ 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	ତତତ 1-1 mSv	0	≎≎≎ 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	ତତତ 1-1 mSv	0	���� 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										
			34 (21928189)				4										
			33 (22434450)				4										
			32 (18374761)				2										
Radiography chest	Usuall approp		Limited	֎ <0.1 mS	Sv	✤ <0.03 mSv [ped]	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	ତେତତ 1-1 mSv	0		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.

	Appropriateness	<i></i>			-				I	Final	Tabu	latio	ns		
Procedure	Category	SOE	Adults RRL	Peds RRL	Rating	Median	1	2	3	4	5	6		8	9
CT chest with IV contrast	Usually appropriate	Strong	ତତତ 1-10 mSv	≎≎≎≎ 3- 10 mSv [ped]	9	9	1	0	0	0	1	0	4	3	9
		References		Study	y Quality										
		9 (31841793)			2										
		8 (30292847)			1										
		37 (24139896)			2										
		63 (26291011)			2										
		62 (33731050)			1										
		61 (11978336)			1										
[		60 (15620991)			Good			1		-	1	1	1		
FDG-PET/CT skull base to mid- thigh	Usually appropriate	Strong	<del>ଡଡଡଡ</del> 10-30 mSv	ଡଡଡଡ 3- 10 mSv [ped]	8	8	1	0	1	0	1	5	1	4	5
		References		Study	y Quality										
		66 (23927734)			4										
		65 (9159703)			4										
		58 (20547021)			2										
		55 (23811122)			2										
		54 (22727222)			4										
		42 (34902832)			4										
		41 (21354739)		(	Good										
		23 (22914804)			2										
		21 (22051278)			2										
		8 (30292847)			1										
		6 (-3196827)			4				1						
CT chest without IV contrast	Usually appropriate	Limited	ତତତ 1-10 mSv	**** 3- 10 mSv [ped]	7	7	0	1	0	1	3	1	4	3	3
		References		Study	y Quality										

		20 (23996838)			4										
		19 (28225653)			4										
		18 (34051381)			2									-	
MRI head without and with IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	7	7	1	0	1	0	0	0	7	2	5
		References		Study	Quality										
		6 (-3196827)			4										
		64 (23649440)			4							-	-		
CT chest abdomen pelvis with IV contrast	May be appropriate	Limited	ଡେଡେଡ 10-30 mSv	<del>ହତତତ</del> 3- 10 mSv [ped]	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 be appropriate	Expert Consensus	ତତତ 1-10 mSv	••••• 3- 10 mSv [ped]	5	5	1	0	0	5	6	4	0	0	0
CTA chest with IV contrast	May be appropriate	Expert Consensus	େଡେ≎ 1-10 mSv	**** 3- 10 mSv [ped]	5	5	0	0	0	3	12	1	0	0	0
CT head with IV contrast	May be appropriate	Limited	ଡେଡେ 1-10 mSv		5	5	0	0	0	3	8	4	1	0	0
		References		Study	Quality		-								
		64 (23649440)			4										
CT neck with IV contrast	May be appropriate	Expert Consensus	ଡେଡେ 1-10 mSv	ତତତ 0.3- 3 mSv [ped]	5	5	0	1	4	2	8	2	1	0	0
MRI chest without and with IV contrast	May be appropriate	Limited	O 0 mSv	O 0 mSv [ped]	5	5	0	2	0	4	9	1	0	0	0
		References		Study	v Quality										
		67 (23593186)			2										
MRI head without IV contrast	May be appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	5	5	0	1	0	1	9	3	2	0	0

Radiography chest	May approp	Strong	<b>≎ &lt;</b> 0.1 mSv		5	5	1	1	1	1	8	4	0	0	0
		References			Quality										
		8 (30292847)			1										
		37 (24139896)			2										
Bone scan whole body	May approp	Moderate	ତତତ 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 approp	Limited	ତତତତ 10-30 mSv	) 😌 😌 🥸 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 approp	Expert Consensus	େହେହ 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 approp	Expert Consensus	ତତତ 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 approp	Expert Consensus	<del>ହତତ</del> 1-10 mSv	€€€€€ 3- 10 mSv [ped]	3	3	4	3	5	3	1	0	2	0	0
MRI chest without IV contrast	Usuall <sub>2</sub> approp	Strong	O 0 mSv	O 0 mSv [ped]	3	3	3	4	6	1	3	0	1	0	0
		References		Study	/ Quality										
		34 (21928189)			4										
		 33 (22434450)			4										
		32 (18374761)			2										
		68 (30856554)			2										

CT abdomen and pelvis without IV contrast	Usually not appropriate	Expert Consensus	ଡେଡେ 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	<del>ଡେଡଡ</del> େ 10-30 mSv	ତତତତ 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	ଡେଡେ 1-10 mSv	ତତତତ 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	ବ୍ୟବହ 10-30 mSv	<b>୫୫୫୫୫</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	ଝେଝେ 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	<del>ଡଡ</del> ଡ 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.

Durandana	Appropria	iateness	SOE			Detter	Madian	Final Tabulations										
Procedure	Categ		SOE	Adults RRL	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9		
CT chest with IV contrast	Usua approp				≎≎≎≎≎ 3- 10 mSv [ped]	8	8	0	0	0	0	1	0	7	4	4		
		References				Quality												
			5 (31829901)															
			42 (34902832)			4				_		-						
CT chest abdomen pelvis with IV contrast	Usua approp		Limited	<b>ଡଡଡଡ</b> 10-30 mSv	≎≎≎≎ 3- 10 mSv [ped]	8	8	0	0	0	0	0	1	5	5	5		
		References			Study	Quality												
			73 (28778345)		2													

		43 (32723523) 4													
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	y Quality										
		42 (34902832)			4										
		50 (23307984)			4										
		78 (18311784)	_	3								-			
FDG-PET/CT skull base to mid- thigh	Usually appropriate	Strong	<b>ଡଡଡଡ</b> 10-30 mSv	ଚଚଚଚ 3- 10 mSv [ped]	8	8	0	1	0	0	2	4	1	5	5
		References		Study	y Quality										
		39 (27726427)			4										
		51 (25613535)													
		77 (26837337)			2										
		76 (24081215)		(	Good										
		75 (24777290)			2										
		74 (15258700)		2								-			
CT abdomen and pelvis with IV contrast	May be appropriate	Limited	ଝେଙେ 1-10 mSv	<del>ହତତତ</del> 3- 10 mSv [ped]	5	5	0	0	0	1	13	0	1	0	1
		References		Study	y Quality										
		6 (-3196827)			4										
		42 (34902832)			4										
		43 (32723523)			4							-			
CTA chest with IV contrast	May be appropriate	Expert Consensus	ଝଝଝ 1-10 mSv	ଡଡଡଡ 3- 10 mSv [ped]	5	5	0	0	0	5	8	3	0	0	0
CT chest without IV contrast	May be appropriate	Limited	<del>ଡଡ</del> େ 1-10 mSv	**** 3- 10 mSv [ped]	5	5	0	0	0	1	9	6	0	0	0
		References			y Quality										
		5 (31829901)			4										

CT chest abdomen pelvis without IV contrast	May approp	Expert Consensus	<del>ଡଡଡଡ</del> 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	ତତତ 1-10 mSv	€€€ 0.3- 3 mSv [ped]	5	5	0	0	0	1	9	5	1	0	0
		References		Study											
		42 (34902832)			4										
		43 (32723523)			4							-			
CT neck with IV contrast	May approp	Expert Consensus	େହେଇ 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 Moderate mSv		≎≎≎≎≎ 3- 10 mSv [ped]	5	5	0	0	2	1	12	1	0	0	0
		References	Study	Study Quality											
		40 (-3196830)													
		41 (21354739)			Good								-		
Radiography chest	May approp	Limited	<b>֎ &lt;</b> 0.1 mSv		5	5	1	1	0	3	7	3	0	1	0
		References		Study	/ Quality										
		37 (24139896)			2										
		52 (19819917)			4										
CT head without IV contrast	May approp	Limited	େହେଇ 1-10 mSv	��� 0.3- 3 mSv [ped]	4	4	3	3	3	7	1	0	1	0	0
		References		Study 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	Usually not appropriate	Expert Consensus	ତେତତ 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		-		-							
		68 (30856554)		_	2		_	-	-						
CT abdomen and pelvis without IV contrast	Usually not appropriate	Expert Consensus	ତତତ 1-10 mSv	≎≎≎≎≎ 3- 10 mSv [ped]	2	2	3	8	4	0	0	1	0	0	0
CT abdomen and pelvis without and with IV contrast	Usually not appropriate	Limited	<del>ଚଚଚଚ</del> 10-30 mSv	₩₩₩ 10-30 mSv [ped]	2	2	7	3	2	2	2	0	1	0	1
		References		Study	v Quality		-		-						
		42 (34902832)													
		43 (32723523)		4											
CT chest without and with IV contrast	Usually not appropriate	Expert Consensus	ଡେଡେ 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	Usually not appropriate	Expert Consensus	ଡଡଡଡ 10-30 mSv	<b>≎≎≎≎≎</b> 10-30 mSv [ped]	2	2	5	4	6	0	0	1	0	0	0
CT head without and with IV contrast	Usually not appropriate	Expert Consensus	ଡଡଡ 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	Usually not appropriate	Expert Consensus	ତତତ 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	Usually not appropriate	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.