

American College of Radiology
ACR Appropriateness Criteria®

Orbital Imaging and Vision Loss-Child

Variant 1: Child. Traumatic visual loss. Suspected orbital injury. Initial imaging.

Radiography orbit	Usually not appropriate	Limited	✖ <0.1 mSv	✖ <0.03 mSv [ped]	3	3	6	2	2	3	2	1	0	0	0
			References	Study Quality											
			13 (21607931)	4											
			12 (18936032)	4											
CTA head with IV contrast	Usually not appropriate	Expert Consensus	✖✖✖ 1-10 mSv	✖✖✖ 3-10 mSv [ped]	2	2	8	5	1	2	0	0	0	0	0
CT head with IV contrast	Usually not appropriate	Expert Consensus	✖✖✖ 1-10 mSv	✖✖✖ 0.3-3 mSv [ped]	2	2	8	2	2	2	0	1	1	0	0
MRI orbits without and with IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	2	2	7	2	4	1	0	0	1	1	0
			References	Study Quality											
			12 (18936032)	4											
CT orbits without and with IV contrast	Usually not appropriate	Limited	✖✖✖ 1-10 mSv	✖✖✖ 0.3-3 mSv [ped]	1	1	9	7	0	0	0	0	0	0	0
			References	Study Quality											
			13 (21607931)	4											
			12 (18936032)	4											
CT head without and with IV contrast	Usually not appropriate	Expert Consensus	✖✖✖ 1-10 mSv	✖✖✖ 3-10 mSv [ped]	1	1	12	4	0	0	0	0	0	0	0
MRA head without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	9	4	1	1	0	0	1	0	0
MRA head without and with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	9	4	0	2	1	0	0	0	0
MRI head without and with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	11	5	0	0	0	0	0	0	0

Variant 2: Child. Nontraumatic acute vision loss without papilledema. Initial imaging.

		18 (8505818)			2															
CT head without IV contrast	May be appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	4	4	2	3	1	2	6	0	2	0	0	0	0			
MRI orbits without IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	3	3	3	4	3	4	2	0	0	0	0	0	0			
		References			Study Quality															
		19 (31896804)			4															
CT orbits with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	2	2	8	5	0	1	1	0	0	0	0	0	1			
MRA head without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	2	2	8	4	2	0	0	1	0	0	0	0	1			
MRI complete spine without IV contrast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	2	2	3	9	3	0	1	0	0	0	0	0	0			
		References			Study Quality															
		20 (25695963)			4															
		21 (12601106)			3															
		22 (23858328)			4															
CT head and orbits with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	2	2	8	4	1	2	0	0	0	0	0	0	1			
CT head and orbits without IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	2	2	7	4	2	2	0	0	1	0	0	0	0			
CTA head with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 3-10 mSv [ped]	1	1	9	5	0	1	0	0	0	0	0	1	0			
CT orbits without IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	1	1	10	3	1	0	1	0	0	0	0	1	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	2	0	3	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	9	3	1	1	1	0	1	0	0
CT head without and with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 3-10 mSv [ped]	1	1	11	1	0	2	0	0	1	1	0
CTA head and neck with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 3-10 mSv [ped]	1	1	9	6	0	0	0	0	0	1	0
MRA head without and with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	9	2	1	3	0	0	0	1	0
CT head and orbits without and with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 3-10 mSv [ped]	1	1	11	1	0	2	1	0	1	0	0

Variant 3: Child with isolated nystagmus. Initial imaging.

MRI head and orbits without IV contrast	May be appropriate		Limited	O 0 mSv	O 0 mSv [ped]	5	5	0	0	0	3	12	1	0	0	0
				References		Study Quality										
				27 (-3195267)		4										
MRI orbits without and with IV contrast	May be appropriate		Limited	O 0 mSv	O 0 mSv [ped]	4	4	0	1	4	3	7	1	0	0	0
				References		Study Quality										
				29 (27518079)		3										
MRI orbits without IV contrast	May be appropriate		Limited	O 0 mSv	O 0 mSv [ped]	4	4	4	2	2	3	3	1	1	0	0
				References		Study Quality										
				29 (27518079)		3										
MRA head without IV contrast	Usually not appropriate		Expert Consensus	O 0 mSv	O 0 mSv [ped]	2	2	7	3	1	1	3	1	0	0	0
CTA head with IV contrast	Usually not appropriate		Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 3-10 mSv [ped]	1	1	11	3	0	0	0	1	1	0	0
CT orbits with IV contrast	Usually not appropriate		Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	1	1	10	4	0	1	1	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	3	1	1	1	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	3	1	0	0	0	0	0	1
CT head with IV contrast	Usually not appropriate		Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	1	1	9	5	0	2	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	9	4	2	0	1	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	10	4	1	0	0	0	0	0	1

MRA head without and with IV contrast	Usually not appropriate	Expert Consensus	0.0 mSv	0.0 mSv [ped]	1	1	9	7	0	0	0	0	0	0
CT head and orbits with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	1	1	10	4	0	1	1	0	0	0
CT head and orbits without IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	1	1	10	4	1	0	1	0	0	0
CT head and orbits without and with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 3-10 mSv [ped]	1	1	10	3	1	1	0	0	0	1

Variant 4: Child. Congenital or developmental abnormality leading to decreased visual acuity or vision loss. No leukocoria. Unilateral or bilateral. Initial imaging.

MRI orbits without IV contrast	May be appropriate		Strong	O 0 mSv	O 0 mSv [ped]	5	5	0	1	1	0	10	3	1	0	0
	References				Study Quality											
	34 (25128595)				2											
	33 (23972277)				2											
	32 (28982953)				4											
	2 (26208421)				4											
MRI head without and with IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	3	3	5	3	7	0	1	0	0	0	0	0
MRI orbits without and with IV contrast	Usually not appropriate	Strong	O 0 mSv	O 0 mSv [ped]	3	3	3	5	6	2	0	0	0	0	0	0
	References				Study Quality											
	34 (25128595)				2											
	33 (23972277)				2											
	32 (28982953)				4											
	2 (26208421)				4											
CT orbits with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	2	2	8	5	1	0	1	1	0	0	0	0
CT orbits without IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	2	2	8	4	2	0	1	1	0	0	0	0
CT head without IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	2	2	8	3	2	2	0	1	0	0	0	0
CT head without and with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	2	2	8	4	2	1	0	0	0	0	0	1
MRA head without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	2	2	8	4	0	1	1	1	1	0	0	0
CT head and orbits without IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	2	2	8	3	1	0	4	0	0	0	0	0

CTA head with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕⊕ 3-10 mSv [ped]	1	1	10	4	0	0	0	1	1	0	0
CT orbits without and with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	1	1	9	4	1	0	1	0	0	0	1
CT head with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	1	1	9	4	1	0	1	1	0	0	0
MRA head without and with IV contrast	Usually not appropriate	Expert Consensus	0 0 mSv	0 0 mSv [ped]	1	1	9	3	1	1	0	0	1	0	1
CT head and orbits with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	1	1	9	3	2	0	1	1	0	0	0
CT head and orbits without and with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕⊕ 3-10 mSv [ped]	1	1	9	4	1	1	0	0	0	0	1

Variant 5: Child. Vision loss and suspected optic pathway tumor, with or without a history of neurofibromatosis type 1. Initial imaging.

Procedure	Appropriateness Category	SOE	Adults RRL	Peds RRL	Rating	Median	Final Tabulations								
							1	2	3	4	5	6	7	8	9
MRI head and orbits without and with IV contrast	Usually appropriate	Limited	0 0 mSv	0 0 mSv [ped]	9	9	1	0	0	0	0	1	1	3	10
			References		Study Quality										
			36 (28257299)		4										
			37 (31739524)		4										
			38 (29789890)		3										
			39 (30904949)		2										
MRI head without and with IV contrast	May be appropriate	Expert Consensus	0 0 mSv	0 0 mSv [ped]	5	5	0	0	0	0	10	6	0	0	0
MRI orbits without and with IV contrast	May be appropriate (Disagreement)	Expert Opinion	0 0 mSv	0 0 mSv [ped]	5	5	2	0	1	0	8	4	1	0	0

MRI head and orbits without IV contrast	Usually not appropriate	Limited	0 0 mSv	0 0 mSv [ped]	3	3	3	4	6	0	3	0	0	0	0
		References		Study Quality											
		36 (28257299)		4											
		37 (31739524)		4											
		38 (29789890)		3											
		39 (30904949)		2											
CT orbits with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	2	2	8	4	1	1	0	2	0	0	0
CT orbits without IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	2	2	8	5	0	2	0	1	0	0	0
MRA head without IV contrast	Usually not appropriate	Expert Consensus	0 0 mSv	0 0 mSv [ped]	2	2	7	3	3	2	0	0	1	0	0
MRA head without and with IV contrast	Usually not appropriate	Expert Consensus	0 0 mSv	0 0 mSv [ped]	2	2	8	2	3	2	0	0	0	1	0
MRI head without IV contrast	Usually not appropriate	Expert Consensus	0 0 mSv	0 0 mSv [ped]	2	2	5	4	5	0	2	0	0	0	0
CT head and orbits with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	2	2	8	3	2	0	1	1	1	0	0
CT head and orbits without IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	2	2	8	4	1	1	2	0	0	0	0
MRI orbits without IV contrast	Usually not appropriate	Expert Consensus	0 0 mSv	0 0 mSv [ped]	2	2	8	3	4	0	1	0	0	0	0
CTA head with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕⊕ 3-10 mSv [ped]	1	1	9	4	2	0	0	0	1	0	0
CT orbits without and with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	1	1	9	4	0	1	1	0	0	0	1

CT head with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	1	1	9	3	1	1	2	0	0	0	0
CT head without IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	1	1	9	3	0	4	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	9	3	2	0	1	0	0	0	1
Radiography orbit	Usually not appropriate	Expert Consensus	⊕ <0.1 mSv	⊕ <0.03 mSv [ped]	1	1	12	2	1	0	0	0	0	0	1
CT head and orbits without and with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕⊕ 3-10 mSv [ped]	1	1	9	4	0	1	1	0	0	0	1

Variant 6: Child. Six months of age or older. Papilledema detected on the ophthalmologic examination or signs of raised intracranial pressure. Initial imaging.

CT head with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	3	3	7	1	1	3	4	0	0	0	0
CT head and orbits without IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	3	3	7	1	3	2	1	1	1	0	0
MRI orbits without and with IV contrast	Usually not appropriate	Expert Consensus	⊖ 0 mSv	⊖ 0 mSv [ped]	3	3	5	1	5	3	1	0	0	1	0
MRI orbits without IV contrast	Usually not appropriate	Expert Consensus	⊖ 0 mSv	⊖ 0 mSv [ped]	3	3	5	1	6	3	0	0	1	0	0
CT orbits without IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	2	2	8	3	2	0	1	1	1	0	0
CT head without and with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 3-10 mSv [ped]	2	2	8	5	3	0	0	0	0	0	0
MRA head without IV contrast	Usually not appropriate	Expert Consensus	⊖ 0 mSv	⊖ 0 mSv [ped]	2	2	7	4	0	2	1	1	1	0	0
MRA head without and with IV contrast	Usually not appropriate	Expert Consensus	⊖ 0 mSv	⊖ 0 mSv [ped]	2	2	8	3	0	2	1	1	1	0	0
CT head and orbits with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	2	2	7	9	0	0	0	0	0	0	0
CTA head with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 3-10 mSv [ped]	1	1	9	3	2	0	0	2	0	0	0
CT orbits with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	1	1	9	7	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	9	1	3	1	1	0	0	0	1
CT head and orbits without and with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 3-10 mSv [ped]	1	1	9	7	0	0	0	0	0	0	0

Variant 7: Child. Suspected orbital or periorbital infection. Initial imaging.

Procedure	Appropriateness Category	SOE	Adults RRL	Peds RRL	Rating	Median	Final Tabulations										
							1	2	3	4	5	6	7	8	9		
CT orbits with IV contrast	Usually appropriate	Limited	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	9	9	0	0	0	0	0	0	0	5	11		
MRI orbits without and with IV contrast	May be appropriate		Limited	O 0 mSv	O 0 mSv [ped]	6	6	Study Quality									
								References									
CT head with IV contrast	May be appropriate		Limited	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	5	5	Study Quality									
								References									
MRI head without and with IV contrast	May be appropriate		Limited	O 0 mSv	O 0 mSv [ped]	5	5	Study Quality									
								References									
CTV head with IV contrast	Usually not appropriate		Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕⊕ 3-10 mSv [ped]	3	3	Study Quality									
								References									
CTA head with IV contrast	Usually not appropriate		Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕⊕ 3-10 mSv [ped]	2	2	Study Quality									
								References									
CT orbits without IV contrast	Usually not appropriate	Limited	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	2	2	4	6	5	1	0	0	0	0	0	0	
				References				Study Quality									

MRV head with IV contrast	Usually not appropriate	Expert Consensus	0 0 mSv	0 0 mSv [ped]	1	1	9	4	3	0	0	0	0	0	0
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Variant 8: Child. Leukocoria or suspected intraocular mass. Initial imaging.

Procedure	Appropriateness Category	SOE	Adults RRL	Peds RRL	Rating	Median	Final Tabulations																		
							1	2	3	4	5	6	7	8	9										
MRI head and orbits without and with IV contrast	Usually appropriate	Limited	0 0 mSv	0 0 mSv [ped]	9	9	0	1	0	0	0	1	1	0	13										
	References				Study Quality																				
	47 (22218144)				3																				
	50 (23117972)				3																				
	49 (25195185)				4																				
	48 (25924174)				2																				
	2 (26208421)				4																				
MRI orbits without and with IV contrast	Usually appropriate	Limited	0 0 mSv	0 0 mSv [ped]	7	7	0	0	0	0	0	0	9	6	1										
	References				Study Quality																				
	48 (25924174)				2																				
	2 (26208421)				4																				
CT orbits without IV contrast	May be appropriate	Limited	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	5	5	0	1	1	1	12	1	0	0	0										
	References				Study Quality																				
	2 (26208421)				4																				
CT head with IV contrast	May be appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	5	5	5	1	0	2	8	0	0	0	0										
MRI orbits without IV contrast	May be appropriate	Limited	0 0 mSv	0 0 mSv [ped]	5	5	0	0	6	1	6	3	0	0	0										
References					Study Quality																				

CTA head with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕⊕ 3-10 mSv [ped]	1	1	10	3	0	2	0	0	0	1	0
CT head without IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	1	1	11	1	1	1	0	1	0	1	0
CT head without and with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕⊕ 3-10 mSv [ped]	1	1	15	1	0	0	0	0	0	0	0
MRA head without IV contrast	Usually not appropriate	Expert Consensus	○ 0 mSv	○ 0 mSv [ped]	1	1	10	3	2	0	1	0	0	0	0
MRA head without and with IV contrast	Usually not appropriate	Expert Consensus	○ 0 mSv	○ 0 mSv [ped]	1	1	9	3	2	0	0	1	0	1	0
CT head and orbits without IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕ 0.3-3 mSv [ped]	1	1	9	2	1	2	0	0	1	1	0
CT head and orbits without and with IV contrast	Usually not appropriate	Expert Consensus	⊕⊕⊕ 1-10 mSv	⊕⊕⊕⊕ 3-10 mSv [ped]	1	1	15	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.