American College of Radiology ACR Appropriateness Criteria®

Supplemental Breast Cancer Screening Based on Breast Density

Variant 1: Adult female. Supplemental breast cancer screening. Average risk. Nondense breasts.

	Appropri	iateness	207		_]	Final	Tab	ulatio	ns		
Procedure	Categ	gory	SOE	Adults RR	L	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
Digital breast tomosynthesis screening	Usua approp	ally oriate	Limited	�� 0.1-1m	ıSv		9	9	1	1	0	0	0	0	4	2	10
			References			Study	Quality										
			13 (37249433)				3										
			12 (30107542)			C	Good										
			11 (31084476)				4										
			10 (35352019)			C	Good										
			9 (30816931)				3										
			4 (2858707)				3										
			3 (31063080)				3										
			2 (-3100780)				4										
US breast	Usuall approp	y not oriate	Limited	O 0 mSv	,	O 0 mSv [ped]	3	3	4	4	5	4	0	0	1	0	0
			References			Study	Quality										
			20 (32903054)				4										
			19 (33032820)			C	Good										
			18 (36999589)				4										
			17 (36719288)			C	Good										
			7 (37150275)				4										

MRI breast without and with IV contrast	Usuall approp	Moderate	O 0 mSv	,	O 0 mSv [ped]	2	2	7	4	4	0	1	1	0	1	0
		References			Study	Quality										
		16 (28221097)				1		_								
Mammography with IV contrast	Usuall approp	Limited	�� 0.1-1m	ıSv		2	2	8	2	6	0	0	1	0	1	0
		References			Study	Quality										
		14 (27097789)				3										
		15 (36108478)				4		_								
MRI breast without IV contrast	Usuall approp	15 (36108478) Expert Consensus O 0 mSv		, '	O 0 mSv [ped]	1	1	15	2	0	0	0	0	0	0	1
FDG-PET breast dedicated	Usuall approp	Expert Consensus	��� 1-10 mSv	0		1	1	17	0	0	0	0	0	0	0	1
Sestamibi MBI	Usuall approp	Expert Consensus	��� 1-10 mSv	0		1	1	17	0	0	0	0	0	0	0	1
MRI breast without and with IV contrast abbreviated	Usuall approp			, (O 0 mSv [ped]	1	1	10	3	2	0	2	0	1	0	0
MRI breast without IV contrast abbreviated	Usuall approp	Expert Consensus	O 0 mSv	,	O 0 mSv [ped]	1	1	16	1	0	0	0	0	0	1	0

Variant 2: Adult female. Supplemental breast cancer screening. Average risk. Heterogeneously dense breasts.

D 1	Appropriateness	COF	A L L DDI	n i nni	D 4:	3.7 11			F	inal '	Tabu	latio	ns		
Procedure	Category	SOE	Adults RRL	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
Digital breast tomosynthesis screening	Usually appropriate	Limited	�� 0.1-1mSv		9	9	0	0	0	0	0	0	1	0	16

References	Study Quality
20 (32903054)	4
17 (36719288)	Good
13 (37249433)	3

		12 (20107542)			١ا										
		12 (30107542)			Good										
		11 (31084476)			4										
		10 (35352019)		C	Good										
		9 (30816931)			3										
		4 (2858707)			3										
		3 (31063080)			3										
		2 (-3100780)			4						1			<u> </u>	
MRI breast without and with IV contrast	May be appropriate	Moderate	O 0 mSv	O 0 mSv [ped]	5	5	0	0	0	0	13	2	2	0	0
		References		Study	Quality										
		17 (36719288)		C	Good										
		16 (28221097)			1										
US breast	May be appropriate	Strong	O 0 mSv	O 0 mSv [ped]	5	5	0	0	0	1	11	4	1	0	0
		References		Study	Quality				•					•	
		35 (30316869)			1										
		34 (26547101)			2										
		33 (34406400)			2										
		20 (32903054)			4										
		19 (33032820)		G	Good										
		18 (36999589)			4										
		17 (36719288)		C	Good										
		7 (37150275)			4										
MRI breast without and with IV contrast abbreviated	May be appropriate	Strong	O 0 mSv	O 0 mSv [ped]	5	5	0	0	0	1	12	2	2	0	0
		References		Study	Quality										
		29 (32931396)			2										
		28 (32096852)			1										
		27 (28749202)			4										
		26 (30887736)			4										
		25 (26152500)			2										

			24 (24958821)				2										
			23 (37581498)				3										
			19 (33032820)			C	Good										
Mammography with IV contrast	Usuall approp		Strong	�� 0.1-1m	ıSv		2	2	8	4	5	0	0	0	0	0	0
			References			Study	Quality										
			22 (31453765)				2										
			21 (30240292)				2										
			15 (36108478)				4										
			14 (27097789)				3										
MRI breast without IV contrast	Usuall approp		Expert Consensus	O 0 mSv	,	O 0 mSv [ped]	1	1	14	3	0	0	0	1	0	0	0
FDG-PET breast dedicated	Usuall approp	y not oriate	Expert Consensus	��� 1-10 mSv	0		1	1	15	1	1	0	0	0	0	0	1
Sestamibi MBI	Usuall approp	y not oriate	Limited	��� 1-10 mSv	0		1	1	12	2	1	1	1	0	0	1	0
			References			Study	Quality										
			32 (27186635)				3										
			31 (25615744)				1										
			30 (34887334)				4										
			7 (37150275)				4										
MRI breast without IV contrast abbreviated	Usuall approp	y not oriate	Expert Consensus	O 0 mSv	,	O 0 mSv [ped]	1	1	15	2	0	0	0	0	1	0	0

Variant 3: Adult female. Supplemental breast cancer screening. Average risk. Extremely dense breasts.

D 1	Appropriateness	COF	A L L DDI	D I DDI	D. (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
Digital breast tomosynthesis screening	Usually appropriate	Limited	�� 0.1-1mSv		9	9	0	0	1	0	0	0	0	1	15

		References		Study	Quality										
		20 (32903054)			4										
		17 (36719288)		C	Good										
		13 (37249433)			3										
		12 (30107542)		C	Good										
		11 (31084476)			4										
		10 (35352019)		C	Good										
		9 (30816931)			3										
		4 (2858707)			3										
		3 (31063080)			3										
		2 (-3100780)			4			,							
MRI breast without and with IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	7	7	0	0	0	0	0	2	8	5	2
		References		Study	Quality										
		38 (18389253)			4										
		37 (33724062)			3										
		36 (31774954)		C	ood										
MRI breast without and with IV contrast abbreviated	Usually appropriate	Strong	O 0 mSv	O 0 mSv [ped]	7	7	0	0	0	0	0	1	10	4	2
		References		Study	Quality					-					
		29 (32931396)			2										
		28 (32096852)			1										
		27 (28749202)			4										
		26 (30887736)			4										
		25 (26152500)			2										
		24 (24958821)			2										
		23 (37581498)			3										
		19 (33032820)			Good										
US breast	May be appropriate	Strong	O 0 mSv	O 0 mSv [ped]	5	5	0	0	0	1	8	4	4	0	0
		References		Study	Quality	-					•				

			35 (30316869)				1										
			34 (26547101)				2										
			33 (34406400)				2										
			20 (32903054)				4										
			19 (33032820)			G	lood										
			18 (36999589)				4										
			17 (36719288)			G	lood										
			7 (37150275)				4										
Mammography with IV contrast	Usually approp		Strong	⊕⊕ 0.1-1m§	Sv		2	2	6	3	6	1	1	0	0	0	0
			References			Study	Quality										
			22 (31453765)				2										
			21 (30240292)				2										
			15 (36108478)				4										
			14 (27097789)				3										
MRI breast without IV contrast	Usually approp	y not oriate	Expert Consensus	O 0 mSv		O 0 mSv [ped]	1	1	16	1	0	0	0	0	1	0	0
FDG-PET breast dedicated	Usually approp	y not oriate	Expert Consensus	≎≎≎ 1-10 mSv			1	1	16	1	0	0	0	0	0	1	0
Sestamibi MBI	Usually	y not oriate	Limited	��� 1-10 mSv			1	1	12	3	1	1	0	0	0	1	0
			References		•	Study	Quality		•		•		•	•		•	
			7 (37150275)				4										
			32 (27186635)				3										
			31 (25615744)				1										
			30 (34887334)				4		_								
MRI breast without IV contrast abbreviated	Usually approp		Expert Consensus	O 0 mSv		O 0 mSv [ped]	1	1	15	2	0	0	0	0	1	0	0

Variant 4: Adult female. Supplemental breast cancer screening. Intermediate risk. Nondense breasts.

	Appropriateness	gon		D 1 DD1	.	3.5.11			F	inal	Tabu	latio	ns		
Procedure	Category	SOE	Adults RRL	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
Digital breast tomosynthesis screening	Usually appropriate	Limited	�� 0.1-1mSv		9	9	1	1	0	0	0	0	4	3	9
		References		Study	Quality										
		13 (37249433)			3										
		12 (30107542)		(Good										
		11 (31084476)			4										
		10 (35352019)			Good										
		9 (30816931)			3										
		4 (2858707)			3										
		3 (31063080)			3										
		2 (-3100780)		_	4				,					,	
MRI breast without and with IV contrast	May be appropriate (Disagreement)	Expert Opinion	O 0 mSv	O 0 mSv [ped]	5	5	0	0	0	5	0	1	9	0	2
		References		Study	Quality										
		3 (31063080)			3										
		39 (35783682)			4										
MRI breast without and with IV contrast abbreviated	May be appropriate	Strong	O 0 mSv	O 0 mSv [ped]	5	5	0	0	0	6	8	1	2	0	0
		References		Study	Quality		-								
		24 (24958821)			2										
		28 (32096852)			1										
		27 (28749202)			4										
		26 (30887736)			4										
		25 (26152500)			2										
		23 (37581498)			3										
US breast	Usually not appropriate	Limited	O 0 mSv	O 0 mSv [ped]	3	3	5	3	5	1	2	0	1	0	1

			References		Stu	dy Quality										
			20 (32903054)			4										
			19 (33032820)			Good										
			18 (36999589)			4										
			17 (36719288)			Good										
			7 (37150275)			4										
Mammography with IV contrast	Usuall approp		Strong			3	3	5	2	5	1	2	2	0	0	0
			References		Stu	dy Quality										
			14 (27097789)			3										
			22 (31453765)			2										
			21 (30240292)			2										
			15 (36108478)			4										
			41 (33787291)			3										
MRI breast without IV contrast	Usuall approp	y not oriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	16	1	0	0	0	1	0	0	0
FDG-PET breast dedicated	Usuall approp	y not oriate	Expert Consensus	&& 1-10 mSv		1	1	16	1	0	0	0	0	1	0	0
Sestamibi MBI	Usuall approp		Expert Consensus	��� 1-10 mSv		1	1	17	0	0	0	0	0	0	1	0
MRI breast without IV contrast abbreviated	Usuall approp		Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	16	1	0	0	0	0	1	0	0

Variant 5: Adult female. Supplemental breast cancer screening. Intermediate risk. Heterogeneously dense breasts.

n 1	Appropri	ateness	COF	4 1 14 DE	Adults RRL Peds RRL Rating Med	3.6.11			F	inal '	Гаbu	latio	ns				
Procedure	Categ		SOE	Adults RF	KL	Peds RRL	Kating	Median	1	2	3	4	5	6	7	8	9
Digital breast tomosynthesis screening	Usua approp		Limited	�� 0.1-1n	nSv		9	9	0	0	0	0	0	0	0	1	16
			References			Study	Quality										

		20 (22002054)			1										
		20 (32903054)			4										
		17 (36719288)		C	Good										
		13 (37249433)			3 Good										
		12 (30107542)													
		11 (31084476)			4										
		10 (35352019)			Good										
		9 (30816931)			3										
		4 (2858707)			3										
		3 (31063080)			4										
MRI breast without and with IV		2 (-3100780)			4			I							
contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	7	7	0	0	0	0	1	0	10	4	2
		References		Study	Quality										
		C	Good												
		7 (37150275)			4										
		3 (31063080)													
MRI breast without and with IV contrast abbreviated	Usually appropriate	Strong	O 0 mSv	O 0 mSv [ped]	7	7	0	0	0	0	1	0	10	4	2
		References		Study	Quality										
		29 (32931396)		_	2										
		28 (32096852)			1										
		27 (28749202)			4										
		26 (30887736)			4										
		25 (26152500)			2										
		24 (24958821)			2										
		23 (37581498)			3										
		19 (33032820)		C	ood										
US breast	May be appropriate	Strong	O 0 mSv	O 0 mSv [ped]	5	5	0	0	0	0	13	2	2	0	0
		References		Study	Quality										
		35 (30316869)													

		34 (26547101) 2														
			34 (26547101)			2										
			33 (34406400)			2										
			20 (32903054)			4										
			19 (33032820)			Good										
			18 (36999589)			4										
		17 (36719288)														
			7 (37150275)			4										
Mammography with IV contrast	May approp		Strong	�� 0.1-1mS	Sv	5	5	0	0	0	0	12	4	1	0	0
			References		Study	Quality				•		•			•	
			22 (31453765)		-	2										
			21 (30240292)			2										
			15 (36108478)			4										
			14 (27097789)			3										
MRI breast without IV contrast	Usually approp		Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	15	2	0	1	0	0	0	0	0
FDG-PET breast dedicated	Usually approp		Expert Consensus	��� 1-10 mSv		1	1	16	1	0	0	0	1	0	0	0
Sestamibi MBI	Usually approp		Limited	��� 1-10 mSv		1	1	13	1	1	2	0	0	1	0	0
			References		Study	Quality										
			32 (27186635)			3										
			31 (25615744)			1										
			30 (34887334)			4										
			7 (37150275)			4										
MRI breast without IV contrast abbreviated	Usually approp		Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	15	2	0	1	0	0	0	0	0

Variant 6: Adult female. Supplemental breast cancer screening. Intermediate risk. Extremely dense breasts.

	Appropriateness	COE	A L L DDI	D I DDI	n .:	3.6 11			F	inal	Tabu	latio	ns		
Procedure	Category	SOE	Adults RRL	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
Digital breast tomosynthesis screening	Usually appropriate	Limited	�� 0.1-1mSv		9	9	0	0	0	0	0	0	0	2	1
		References		Study	Quality										-
		20 (32903054)			4										
		17 (36719288)		(Good										
		13 (37249433)			3										
		12 (30107542)		(Good										
		11 (31084476)			4										
		10 (35352019)			Good										
		9 (30816931)			3										
		4 (2858707)			3										
		3 (31063080)			3										
		2 (-3100780)		T	4										Т
MRI breast without and with IV contrast	Usually appropriate	Limited	O 0 mSv	O 0 mSv [ped]	7	7	0	0	2	0	3	0	6	4	
		References		Study	Quality										
		38 (18389253)													
		37 (33724062)		3											
		36 (31774954)		(Good			1			1				_
MRI breast without and with IV contrast abbreviated	Usually appropriate	Strong	O 0 mSv	O 0 mSv [ped]	7	7	0	0	0	0	1	0	11	2	
		References		Study	Quality										
		29 (32931396)			2										
		28 (32096852)			1										
		26 (30887736)			4										
		25 (26152500)			2										
		24 (24958821)			2										
		23 (37581498)			3										
		19 (33032820)		(Good										

Mammography with IV contrast	May be appropriate	Strong		,	6	6	0	0	0	0	7	9	1	0	0
		References		Study	Quality		•					•			
		41 (33787291)			3										
		22 (31453765)			2										
		21 (30240292)			2										
		15 (36108478)			4										
		14 (27097789)			3										
US breast	May be appropriate	Strong	O 0 mSv	O 0 mSv [ped]	5	5	0	0	0	0	14	2	1	0	0
		References		Study			•			•					
		35 (30316869)													
		34 (26547101)													
		33 (34406400)			2										
		20 (32903054)			4										
		19 (33032820)		C	Good										
		18 (36999589)	ı		4										
		17 (36719288)		C											
		7 (37150275)													
MRI breast without IV contrast	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	16	1	0	1	0	0	0	0	0
FDG-PET breast dedicated	Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv		1	1	17	0	0	0	1	0	0	0	0
Sestamibi MBI	Usually not appropriate	Limited	��� 1-10 mSv		1	1	13	0	2	2	0	0	1	0	0
		References		Study	Quality		•								
		32 (27186635)			3										
		31 (25615744)			1										
		30 (34887334)			4										
		7 (37150275)			4										

MRI breast without IV contrast abbreviated	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	16	1	0	1	0	0	0	0	0	
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Variant 7: Adult female. Supplemental breast cancer screening. High risk. Nondense or dense breasts.

	Appropriateness	COT		dults RRL Peds RRL Rating Mo					F	inal	Tabu	latio	ns		
Procedure	Category	SOE	Adults RRL	Peds RRL	Rating	Median	1	2	3	4	5	6	7	8	9
MRI breast without and with IV contrast	Usually appropriate	Moderate	Moderate O 0 mSv		9	9	1	1	0	0	0	0	3	3	10
		References	Study	Quality											
		3 (31063080)		3											
		5 (30255244)		4											
		42 (21139507)				_		_					_		
Digital breast tomosynthesis screening	Usually appropriate	Limited	�� 0.1-1mSv	v	9	9	0	0	0	0	0	0	0	1	16
		References		Study						•					
		20 (32903054)	ı	4											
		17 (36719288)	ı	C	Good										
		13 (37249433)	ı		3										
		12 (30107542)	ı	C											
		11 (31084476)													
		10 (35352019)	ı	C											
		9 (30816931)			3										
		4 (2858707)			3										
		3 (31063080)			3										
		2 (-3100780)			4						1		,		
MRI breast without and with IV contrast abbreviated	Usually appropriate	Strong	O 0 mSv	O 0 mSv [ped]	7	7	0	0	0	0	6	1	2	6	2
		References		Study	Quality				·						
		26 (30887736)		4											

	25 (26152500)	ı												
	24 (24958821)			2										
	23 (37581498)			3										
	19 (33032820)			Good										
	43 (26521970)			4										
May be appropriate	Strong	O 0 mSv	O 0 mSv [ped]	5	5	0	0	0	0	10	0	5	2	0
	References		Study		•								-	
	35 (30316869)													
	34 (26547101)													
	20 (32903054)													
			C											
	18 (36999589)													
	17 (36719288)		C	Good										
	7 (37150275)			4										
May be appropriate	Strong	�� 0.1-1mSv		5	5	0	0	0	0	13	3	1	0	0
	References		Study	Quality						•	•			
	23 (37581498)			3										
	22 (31453765)			2										
	21 (30240292)			2										
	15 (36108478)			4										
	14 (27097789)			3										
Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	15	1	1	1	0	0	0	0	0
Usually not appropriate	Expert Consensus	≎≎≎ 1-10 mSv		1	1	16	1	0	1	0	0	0	0	0
	not liate Limited ⊕⊕⊕ 1-10 mSv													
Usually not appropriate	Limited			1	1	12	0	3	1	1	0	1	0	0
	May be appropriate Usually not appropriate Usually not	24 (24958821) 23 (37581498) 19 (33032820) 43 (26521970) May be appropriate References 35 (30316869) 34 (26547101) 33 (34406400) 20 (32903054) 19 (33032820) 18 (36999589) 17 (36719288) 7 (37150275) May be appropriate References 23 (37581498) 22 (31453765) 21 (30240292) 15 (36108478) 14 (27097789) Usually not appropriate Consensus Usually not Expert	References 35 (30316869) 34 (26547101) 33 (34406400) 20 (32903054) 19 (33032820) 18 (36999589) 17 (36719288) 7 (37150275)	24 (24958821) 23 (37581498) 19 (33032820) 43 (26521970) May be appropriate References Study 35 (30316869) 34 (26547101) 33 (34406400) 20 (32903054) 19 (33032820) 18 (3699589) 17 (36719288) 7 (37150275) May be appropriate Strong References Study 18 (36999589) 17 (36719288) 22 (31453765) 21 (30240292) 15 (36108478) 14 (27097789) Usually not appropriate Expert Consensus O 0 mSv [ped]	24 (24958821) 2 23 (37581498) 3 19 (33032820) Good 43 (26521970) 4 May be appropriate Strong O 0 mSv [ped] 5 References Study Quality 35 (30316869) 1 1 34 (26547101) 2 2 33 (34406400) 2 2 20 (32903054) 4 4 19 (33032820) Good 18 (36999589) 4 17 (36719288) Good 7 (37150275) 4 May be appropriate Strong Strong Study Quality 5 Study Quality 5 23 (37581498) 3 3 22 (31453765) 2 2 21 (30240292) 2 2 15 (36108478) 4 4 14 (27097789) 3 Usually not appropriate Expert Consensus O 0 mSv [ped] 1 Usually not Expert Consensus 1 1	24 (24958821) 2 23 (37581498) 3 19 (33032820) Good 43 (26521970) 4 May be appropriate Strong O 0 mSv [ped] 5 References Study Quality 35 (30316869) 1 34 (26547101) 2 20 (32903054) 4 19 (33032820) Good 18 (36999589) 4 17 (36719288) Good 7 (37150275) 4 May be appropriate Strong Strong References Study Quality 23 (37581498) 3 22 (31453765) 2 21 (30240292) 2 15 (36108478) 4 14 (27097789) 3 Usually not appropriate Expert Consensus O 0 mSv O 0 mSv [ped] 1 1 Usually not Expert Consensus D 0 mSv 1 1 1	24 (24958821) 2 23 (37581498) 3 19 (33032820) Good 43 (26521970) 4 May be appropriate Strong O 0 mSv [ped] 5 5 0 References Study Quality 35 (30316869) 1 34 (26547101) 2 20 (32903054) 4 19 (33032820) Good 18 (36999589) 4 17 (36719288) Good 7 (37150275) 4 May be appropriate Strong Study Quality 23 (37581498) 3 22 (31453765) 2 21 (30240292) 2 15 (36108478) 4 14 (27097789) 3 Usually not appropriate Expert Consensus O 0 mSv [ped] 1 1 1 15 Usually not be appropriate Expert Consensus D 0 mSv [ped] 1 1 1 15	24 (24958821) 2 23 (37581498) 3 3	24 (24958821) 2 23 (37581498) 3 3	24 (24958821) 2 23 (37581498) 3 3	24 (24958821)	24 (24958821)	24 (24958821)	24 (24958821) 2 23 (37581498) 3 3 19 (33032820) Good 43 (26521970) 4

		32 (27186635)			3										
		31 (25615744)			1										
		30 (34887334)			4										
		7 (37150275)			4										
MRI breast without IV contrast abbreviated	Usually not appropriate	Expert Consensus	O 0 mSv	O 0 mSv [ped]	1	1	16	0	1	1	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.