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TABLE E-1 Franklin Grading System for Radiolucency of the Glenoid Component[18]

Grade	Keeled Glenoid Component	Pegged Glenoid Component
1	Radiolucency at inferior and/or superior flange	Incomplete radiolucency around 1 or 2 pegs
2	Incomplete radiolucency around keel	Complete radiolucency (≤2 mm wide) around 1 peg only, with or without incomplete radiolucency around 1 other peg
3	Complete radiolucency (≤2 mm wide) around keel	Complete radiolucency (≤2 mm wide) around 2 or more pegs
4	Complete radiolucency (>2 mm wide) around keel	Complete radiolucency (>2 mm wide) around 2 or more pegs
5	Gross loosening of glenoid component	Gross loosening of glenoid component

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TABLE E-2 Characteristics of the Included Studies

			Mean Age *(yr)*		Percent Female		No.	
Author	Year	Implant	Pegged	Keeled	Pegged	Keeled	Pegged	Keeled
Edwards[15]	2010	Aequalis (Tornier)	72	66	38	46	21	26
Throckmorton[30]	2010	Unspecified (Smith & Nephew)	68	69	30	36	50	50
Fox[34]	2009	Cofield 2 (Smith & Nephew)	67	67	57	46	358	497
Rahme[32]	2009	Bigliani/Flatow (Zimmer)	64	64	62	71	14	13
Nuttall[33]	2007	GLOBAL Shoulder Arthroplasty System (DePuy)	63	71	30	30	10	10
Gartsman[16]	2005	Cofield 2 (Smith & Nephew)	68	68	40	35	20	23
Trail[13]	2002	GLOBAL Shoulder Arthroplasty System (DePuy)	62	62	83	83	29	11
Lazarus[12]	2002	GLOBAL Shoulder Arthroplasty System (DePuy)	—	—	—	—	289	39

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TABLE E-3 Design Parameters of the Included Studies

Author	Year	Randomized?	Blinded?	Attrition Reported?	Power Calculation?
Edwards[15]	2010	Yes	Yes	Yes	Yes
Throckmorton[30]	2010	No	No	Yes	No
Fox[34]	2009	No	No	Yes	No
Rahme[32]	2009	Yes	Yes	Yes	Yes
Nuttall[33]	2007	Yes	No	Yes	No
Gartsman[16]	2005	Yes	No	Yes	Yes
Trail[13]	2002	No	No	Yes	No
Lazarus[12]	2002	Yes	Yes	No	No