
















Aortic Bioprosthesis

	Medtronic				Edwards Lifesciences			Sulzer Carbomedics		St. Jude Medical		Stentless			
	Hancock Std	Mosaic	Hancock II	Hancock MO	CE Standard	CE SAV	CE Perimount	Sinergy ST	Sinergy PC	EPIC/BIOCOR	EPIC SUPRA	St. Jude Medical		Medtronic	Edwards
															
Valve type	Porcine	Porcine	Porcine	Porcine	Porcine	Porcine	Bovine	Porcine	Bovine	Porcine	Porcine	Porcine	Porcine	Porcine	Porcine
Stent Material	Polypropylene	Acetal Polymer	Delrin	Polypropylene	Elgloy	Elgloy	Elgloy	Copolymer	Acetal Homopolymer	Copolymer	Copolymer	Stentless	Stentless	Stentless	Stentless
Fixation Method	High Pressure	Leaflets 0, root 40mm	Low Pressure	Buffered gladh.	High Pressure	Low Pressure	Buffered	Zero pressure	Zero pressure	Low pressure	Low Pressure	Low pressure	Low pressure	Low pressure	Low pressure
Anticalcification	None	AOA	T-6	None	Polysorbate 80	Polysorbate 80	Xenologic	None	None	Linx/none	Linx	None	Bilrx	AOA	Polysorbate 80
Suture cuff core	n.a.	n.a.	n.a.	n.a.	n.a.	Silicone	Silicone	n.a.	n.a.	polyester	Silicone	n.a.	n.a.	n.a.	n.a.
Fabric	Dacron	Dacron	Dacron	Dacron	PTFE	PTFE	PTFE	Polyester	Dacron	Polyester	Polyester	Polyester	Polyester	Polyester	Polyester
19	O.D.	23,5		23,5	19	19	19	19	19,7		19				19
	Mean Gradient	25		n.d.	31,7	n.d.	23	n.d.	11		18				8,5
	EOA	0,98		n.d.	0,77	n.d.	1	n.d.	1,3		1,1				n.d.
21	O.D.	26,5	27	27	26	21	21	21	21,9	21	21	21	21	21	21
	Mean Gradient	18	13,7	11,6	15,2	22,4	n.d.	18,5	n.d.	11,8	16	2	2	8,3	9,2
	EOA	1,03	1,33	1,2	1,1	0,89	n.d.	1,34	n.d.	1,7	1,1	1,3	1,3	1,5	n.d.
23	O.D.	28,5	30	30	29,25	23	23	23	24,1	23	23	23	23	23	23
	Mean Gradient	16	13,8	12	9,2	13,8	18,6	12	n.d.	8,6	21	2,9	2,9	7,2	7,2
	EOA	1,29	1,51	1,35	1,59	1,14	1,4	1,6	n.d.	2,2	1,6	1,71	1,71	1,8	n.d.
25	O.D.	31,5	33	33	32,5	25	25	25	26,5	25		25	25	25	25
	Mean Gradient	17	11,3	11	11,6	15,1	16,3	12	n.d.	5,2	21	3,3	3,3	4,9	5,7
	EOA	1,44	1,84	1,43	1,5	1,37	2,1	1,8	n.d.	2,4	1,7	1,87	1,87	2,1	n.d.
27	O.D.	34,25	36	36		27	27	27	28,9	27		27	27	27	27
	Mean Gradient	n.d.	10,5	7,7		10	15,7	7	n.d.	1,7	15	2,8	2,8	4,2	3,8
	EOA	n.d.	n.d.	n.d.		n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	2,31	2,31	2,5	n.d.
29	O.D.	36,5	39	39		29	29	29	31,1	29		29	29	29	29
	Mean Gradient	9	n.d.	n.d.		n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	2,1	2,1		n.d.
	EOA	n.d.	n.d.	n.d.		n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	2,7	2,7		n.d.
31	O.D.	40				31	31								
	Mean Gradient	n.d.				n.d.	n.d.								
	EOA	n.d.				n.d.	n.d.								

Hancock: Jones EL, JTCS 1978;75:300-308
 Mosaic: Product Performance Report Medtronic Inc., 1997
 Hancock II: David TE, JTCS 1990;99:113-118
 Hancock MO: Kahn SS, Circulation 1990;82:IV 117-124
 FreeStyle: Product Performance Report Medtronic Inc
 C-E Standard: Kahn SS, Circulation 1990;82:iv 117-224
 C-E SAV: Cosgrove DM, JTCS 1985;89:358-368
 C-E Perimount: Frater RWM, ATS 1992;53:764-771
 Synergy PC: Moggio RA, JTCS 1994;108(2):215-220
 Toronto: T.E. David, 1998
 Epic: Pia Myken, JHVD 2000

*.You must add the suture cuff thickness



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