

Patient ID: 1 Prosthesis size: 23 mm, iEOA: 0.98

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	45,0	NA	1	stenosis			
0,02	9,5	1,60	0	no morphological changes			
0,98	18,0	1,43	0	no morphological changes			
1,94	14,6	1,03	0	no morphological changes			
3,04	19,1	1,11	0	no morphological changes			
3,99	17,9	1,38	0	no morphological changes			
5,03	25,0	1,09	0	RC leaflet thickened and immobile		Stage 2	
5,94	28,5	1,10	0	RC leaflet immobile		Stage 2	
7,98	49,0	0,80	1	leaflet sclerosis, stenosis		Stage 3	yes

Patient underwent TAVR @ 8.24 years
Patient alive @ 8.24 years

Patient ID: 2 Prosthesis size: 27 mm, iEOA: 0.89

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	70,0	NA	2	mixed disease			
0,01	12,0	1,90	1	no morphological changes			
0,97	10,5	1,79	0	no morphological changes			
1,97	16,4	2,32	0	no morphological changes			
3,07	13,9	2,47	0	no morphological changes			
3,99	13,3	1,79	0	no morphological changes			
5,04	14,0	1,79	0	no morphological changes			
5,96	15,0	1,79	0	no morphological changes			
7,01	12,0	1,50	0	no morphological changes			
8,03	14,0	2,50	0	no morphological changes			
9,93	12,0	1,54	0	no morphological changes			

Patient alive @ 9.93 years

Patient ID: 3 Prosthesis size: 23 mm, iEOA: 0.9

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	0,80	NA				
0,01	14,8	1,87	0	no morphological changes			
0,98	11,5	1,58	0	no morphological changes			
2,08	14,3	1,07	0	no morphological changes			
3,04	14,1	1,48	1	no morphological changes			
3,98	11,0	1,30	1	no morphological changes			
5,05	16,0	1,57	0	no morphological changes			
6,02	15,0	1,37	0	no morphological changes			
7,04	13,0	1,25	0	no morphological changes			
8,05	17,0	1,20	1	no morphological changes			
9,41	18,0	1,40	1	leaflet sclerosis		stage 1	

Patient alive @ 9.41 years

Patient ID: 4 Prosthesis size: 21 mm, iEOA: 0.94

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	49,0	NA	1	stenosis			
0,02	13,5	1,67	0	no morphological changes			
1,02	15,2	1,41	1	no morphological changes			
1,97	19,3	1,14	1	no morphological changes			
3,04	24,0	1,20	0	no morphological changes	yes ¹		
3,98	19,4	1,46	0	no morphological changes			
5,06	18,0	1,17	0	no morphological changes			

6,06	18,0	1,24	1	no morphological changes
7,01	15,0	1,14	0	no morphological changes
8,04	15,0	1,15	0	no morphological changes

¹gradient increase without morphological change
Patient died @ 9.32 years due to noncardiac cause

Patient ID: 5 Prosthesis size: 25 mm, iEOA: 0.9

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	0,90	2	mixed disease			
0,03	16,6	1,94	0	no morphological changes			

Patient died @ 0.99 years due to noncardiac cause

Patient ID: 6 Prosthesis size: 21 mm, iEOA: 0.68

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	NA	2	mixed disease			
0,01	27,0	1,10	0	no morphological changes	yes ¹		
0,97	18,7	1,50	0	no morphological changes			
2,06	16,5	1,38	0	no morphological changes			
4,25	22,5	1,19	0	no morphological changes	yes ¹		

¹gradient increase without morphological change
Patient alive @ 5.59 years, further follow up not available due to frailty

Patient ID: 7 Prosthesis size: 25 mm, iEOA: 0.79

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	34,0	NA	1	stenosis			
0,02	21,4	1,69	0	no morphological changes	yes ¹		
1,02	11,6	1,53	0	no morphological changes			
1,96	8,6	1,84	0	no morphological changes			
3,04	10,7	1,59	0	no morphological changes			
4,02	9,4	1,70	0	no morphological changes			
5,07	8,0	1,71	0	no morphological changes			
5,99	15,0	1,84	0	no morphological changes			
7,03	13,0	1,75	0	no morphological changes			
8,04	13,0	1,20	0	no morphological changes			
10,26	8,0	1,27	0	no morphological changes			

¹gradient increase without morphological change
Patient alive @ 10.26 years

Patient ID: 8 Prosthesis size: 25 mm, iEOA: 1.12

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	70	0,50	NA				
0,01	9,2	2,02	0	no morphological changes			

Patient alive @ 0.34 years, rejected further follow up

Patient ID: 9 Prosthesis size: 25 mm, iEOA: 1.05

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
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time (y)	gradient (mmHg)	regurg. (cm2)	regurg. (grade)	functional changes
preop	58,0	NA	1	stenosis
0,01	17,3	2,10	0	no morphological changes
1	17,8	1,96	0	no morphological changes
2,07	19,2	2,05	0	no morphological changes
3,04	17,9	2,19	0	no morphological changes
4,01	13,0	2,30	0	no morphological changes
5,07	16,0	1,64	0	no morphological changes
6,05	15,0	1,84	0	no morphological changes
7,04	9,0	1,80	0	no morphological changes
8,06	10,0	1,77	0	no morphological changes
10,44	14,0	1,60	0	no morphological changes

Patient alive @ 10.44 years

Patient ID: 10 Prosthesis size: 25 mm, iEOA: 0.75

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	0,40	1	stenosis			
0,01	11,0	1,45	0	no morphological changes			
0,94	12,1	1,68	0	no morphological changes			
1,94	15,5	1,90	0	no morphological changes			
2,99	16,0	1,43	0	no morphological changes			
3,96	16,4	1,62	0	no morphological changes			
5,03	16,0	1,54	0	no morphological changes			
5,95	15,0	1,95	0	no morphological changes			
7,02	11,0	1,15	0	no morphological changes			
8,03	11,0	1,80	0	no morphological changes			
9,17	15,0	1,30	0	leaflet calcification			stage 1
10,14	10,0	1,50	0	leaflet calcification			stage 1

Patient alive @ 10.14 years

Patient ID: 11 Prosthesis size: 25 mm, iEOA: 0.71

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	NA	3	regurgitation			
0,01	21,0	1,40	0	no morphological changes			
1,03	17,2	1,48	0	no morphological changes			
1,93	18,8	1,64	0	no morphological changes			
3,05	21,3	1,72	0	no morphological changes			yes ¹
3,99	17,0	1,64	0	no morphological changes			
5,04	17,0	1,69	0	no morphological changes			
5,96	19,0	1,34	0	no morphological changes			
7,01	19,0	1,65	0	no morphological changes			
8,01	16,0	1,70	0	no morphological changes			
10,38	14,0	1,40	0	no morphological changes			

¹gradient increase without morphological change

Patient alive @ 10.38 years

Patient ID: 12 Prosthesis size: 21 mm, iEOA: 0.64

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	55,0	NA	1	mixed disease			
0,01	18,0	1,13	0	no morphological changes			

0,15	22,0	NA	0	no morphological changes	yes
0,20	NA	NA	0	vegetation on prosthetic leaflet	yes

Patient denied reoperation and died @ 0.25 years due to prosthetic valve endocarditis. yes

Patient ID: 13 Prosthesis size: 23 mm, iEOA: 0.9

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	0,60	0	stenosis			
0,01	15,0	1,67	0	no morphological changes			
1,01	11,08	1,71	0	no morphological changes			
1,98	11,2	1,56	0	no morphological changes			
3,01	12,4	1,83	0	no morphological changes			
4,02	13,2	1,77	0	no morphological changes			
5,17	14,0	1,53	0	no morphological changes			
5,96	9,0	1,46	0	no morphological changes			
6,93	10,0	1,60	0	no morphological changes			
8,02	15,0	1,43	0	no morphological changes			
10,39	14,0	1,40	0	no morphological changes			

Patient alive @ 10.39 years

Patient ID: 14 Prosthesis size: 25 mm, iEOA: NA

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	60,0	1,00	0	stenosis			
0,03	NA	NA	0	no morphological changes			

Patient died @ 0.04 years due to cardiac cause (Multiorgan failure)

Patient ID: 15 Prosthesis size: 25 mm, iEOA: 0.79

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	NA	3	regurgitation			
0,02	9,2	1,62	0	no morphological changes			
1,07	9,8	2,61	0	no morphological changes			
1,99	12,8	1,95	0	no morphological changes			
2,95	11,6	1,94	1	no morphological changes			
4,08	8,3	1,83	1	no morphological changes			
5,07	9,0	2,46	1	no morphological changes			
6,37	9,0	2,00	1	no morphological changes			
7,07	6,0	2,70	0	no morphological changes			
8,16	9,0	1,28	0	no morphological changes			
9,09	NA	NA	0	no morphological changes			

Patient alive @ 11.16 years

Patient ID: 16 Prosthesis size: 25 mm, iEOA: 0.97

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
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preop	37,9	1,10	2	stenosis
0,01	16,0	2,00	0	no morphological changes
1,03	12,0	2,25	0	no morphological changes
1,92	16,3	1,77	0	no morphological changes
3,05	16,2	1,51	0	no morphological changes
4,08	12,4	1,77	0	no morphological changes
5,07	18,0	1,88	0	no morphological changes

Patient died @ 6.85 years due to noncardiac cause

Patient ID: 17 Prosthesis size: 29 mm, iEOA: 1.07

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	NA	3	regurgitation			
0,01	11,2	2,15	0	no morphological changes			
1,05	16,6	1,86	0	no morphological changes			
1,93	29,1	2,26	0	no morphological changes	yes ¹		
2,93	18,5	1,37	0	no morphological changes			
4,07	19,5	1,80	0	no morphological changes			
5,05	22,0	1,30	0	no morphological changes	yes ¹		
6,09	21,0	1,90	0	no morphological changes	yes ¹		
7,1	19,0	1,50	0	no morphological changes			
8,07	20,0	1,58	0	no morphological changes	yes ¹		
10,25	20,0	1,30	0	no morphological changes	yes ¹		

¹gradient increase without morphological change

Patient alive @ 10.25 years

Patient ID: 18 Prosthesis size: 19 mm, iEOA: 0.77

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	70,0	0,60	0	stenosis			
0,01	17,9	1,05	0	no morphological changes			
1,03	17,9	0,80	0	no morphological changes			
2,05	20,3	0,84	1	no morphological changes	yes ¹		
2,98	23,2	0,93	0	no morphological changes	yes ¹		
4,04	23,1	0,70	0	no morphological changes	yes ¹		
5,03	20,0	0,75	0	no morphological changes	yes ¹		
6,07	18,0	0,73	0	no morphological changes			
7,01	26,0	0,67	0	leaflet calcification		stage 2	
7,87	47,0	0,33	0			stage 3	yes

Patient underwent TAVR @ 7.87 years and alive @ 7.88 years

¹gradient increase without morphological change

Patient ID: 19 Prosthesis size: 25 mm, iEOA: 0.87

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	50,0	1,20	1	stenosis			
0,01	21,0	1,80	0	no morphological changes			
1,03	18,8	2,03	0	no morphological changes			
2,04	20,5	1,68	0	no morphological changes	yes ¹		
3,07	16,0	1,67	0	no morphological changes			
4,06	15,9	2,10	0	no morphological changes			
5,23	15,0	1,87	0	no morphological changes			

6,08	13,0	1,65	0	no morphological changes
7,07	11,0	1,47	0	no morphological changes
8,18	15,0	1,85	0	no morphological changes
10,02	NA	NA	1	no morphological changes
11,08	NA	NA	1	no morphological changes

¹gradient increase without morphological change

Patient alive @ 11.08 years

Patient ID: 20 Prosthesis size: 25 mm, iEOA: 0.55

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	NA	3	regurgitation			
0,01	17,6	1,09	0	no morphological changes			
1,02	21,2	1,73	0	no morphological changes	yes ¹		
2,01	23,7	1,37	0	no morphological changes	yes ¹		
3,08	27,7	1,34	0	no morphological changes	yes ¹		
4,06	23,4	1,73	0	no morphological changes	yes ¹		

¹gradient increase without morphological change

Patient died @ 5.04 years due to noncardiac cause

Patient ID: 21 Prosthesis size: 23 mm, iEOA: 0.76

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	NA	3	regurgitation			
0,01	17,8	1,40	0	no morphological changes			
1,18	16,6	1,44	0	no morphological changes			
2,17	20,7	1,00	0	no morphological changes	yes ¹		
3,05	23,4	1,35	0	no morphological changes	yes ¹		
4,02	34,1	1,09	0	no morphological changes	yes ¹		

¹gradient increase without morphological change

Patient died @ 4.36 years due to noncardiac cause

Patient ID: 22 Prosthesis size: 23 mm, iEOA: 0.73

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	1,10	0	stenosis			
0,02	17,5	1,51	0	no morphological changes			
0,99	15,6	1,58	0	no morphological changes			
1,97	12,0	1,85	0	no morphological changes			
3,06	12,4	2,31	0	no morphological changes			
4,03	13,0	2,02	0	no morphological changes			
5	13,0	1,94	0	no morphological changes			
6,06	10,0	2,00	0	no morphological changes			
7	14,0	1,62	0	no morphological changes			
8,03	12,0	1,60	1	no morphological changes			
9,03	10,0	1,47	1	no morphological changes			
9,97	8,0	1,54	0	no morphological changes			

Patient alive @ 9.97 years

Patient ID: 23 Prosthesis size: 25 mm, iEOA: 1.14

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
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time (y)	gradient (mmHg)	regurg. (cm2)	regurg. (grade)	functional changes			
0,01	14,6	2,61	0	no morphological changes			
1,04	16,4	2,71	0	no morphological changes			
2,03	16,6	3,03	0	no morphological changes			
3,04	14,8	2,76	0	no morphological changes			
4,05	24,3	2,61	0	no morphological changes	yes ¹		
5,04	22,0	1,22	0	no description		stage 2	
5,98	73,0	0,50	1	leaflet sclerosis		stage 3	yes

¹gradient increase without morphological change

Patient underwent TAVR @ 5.98 years and alive @ 6 years

Patient ID: 24 Prosthesis size: 23 mm, iEOA: 0.63

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	0,70	0	stenosis			
0,01	22,3	1,40	0	no morphological changes	yes ¹		
1,01	17,8	1,35	0	no morphological changes			
1,98	18,9	2,60	0	no morphological changes			
3,06	18,2	1,30	0	no morphological changes			
4,03	16,0	2,08	0	no morphological changes			
5,08	18,0	1,65	0	no morphological changes			
6,05	19,0	1,34	0	no morphological changes			
7,01	19,0	1,30	0	no morphological changes			
7,99	13,0	1,20	0	no morphological changes			
9,25	NA	1,10	0	no morphological changes			
11,1	13,0	1,30	0	no morphological changes			

¹gradient increase without morphological change

Patient alive @ 11.1 years

Patient ID: 25 Prosthesis size: 25 mm, iEOA: 1.35

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	0,70	0	stenosis			
0,01	15,0	2,76	0	no morphological changes			
1,01	10,7	1,70	0	no morphological changes			
2,04	13,9	1,42	0	no morphological changes			

Patient died @ 2.89 years due to noncardiac cause (major bleeding, GI)

Patient ID: 26 Prosthesis size: 27 mm, iEOA: 0.79

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	0,66	1	stenosis			
0,02	13,0	1,50	0	no morphological changes			
1,06	14,9	1,70	0	no morphological changes			
1,99	18,6	1,96	1	no morphological changes			
3,04	15,7	1,92	0	no morphological changes			
4,07	19,0	1,71	0	no morphological changes			
4,99	19,0	2,39	0	no morphological changes			
6,09	14,0	1,40	0	no morphological changes			
7,1	33,0	0,96	0	stenosis		stage 3	yes

Patient underwent TAVR @ 7.34 years and alive @ 7.35 years

Patient ID: 27 Prosthesis size: 25 mm, iEOA: 0.81

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	92,0	NA	0	stenosis			
0,01	19,0	1,70	0	no morphological changes			
0,94	15,0	2,16	0	no morphological changes			
1,99	15,4	2,03	0	no morphological changes			
3,02	10,2	2,05	0	no morphological changes			
4,08	14,0	2,16	0	no morphological changes			
5,04	11,0	1,70	0	no morphological changes			
6,05	13,0	1,65	0	no morphological changes			
7,07	11,0	1,47	0	no morphological changes			
8,05	13,0	1,70	1	no morphological changes			
9	17,0	2,60	0	no morphological changes			
10,08	24,0	1,60	0	no morphological changes	yes ¹		

¹gradient increase without morphological change

Patient alive @ 10.08 years

Patient ID: 28 Prosthesis size: 23 mm, iEOA: 0.88

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	0,60	2	mixed disease			
0,01	16,0	1,60	0	no morphological changes			
0,97	28,5	1,19	0	no morphological changes	yes ¹		
2	22,3	1,33	0	no morphological changes	yes ¹		
3,05	23,4	1,32	0	no morphological changes	yes ¹		
4,05	28,0	1,26	0	no morphological changes	yes ¹		
5,02	32,0	1,14	0	no morphological changes	yes ¹		
6,1	18,0	1,70	0	no morphological changes			
6,92	31,0	1,06	1	leaflet calcification		stage 2	
7,74	57,0	0,70	2	stenosis		stage 3	yes

¹gradient increase without morphological change

Patient underwent TAVR @ 7.93 years and alive @ 7.94 years

Patient ID: 29 Prosthesis size: 25 mm, iEOA: 1.01

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	1,10	2	mixed disease			
0,01	12,0	2,10	1	no morphological changes			
0,97	14,0	2,10	0	no morphological changes			
1,99	12,0	2,40	0	no morphological changes			
3,01	15,6	1,99	0	no morphological changes			
4,03	16,0	1,94	0	no morphological changes			
5,03	15,0	1,48	0	no morphological changes			
6,01	14,0	1,57	0	no morphological changes			
7,06	14,0	1,24	0	no morphological changes			

Patient died @ 7.89 years due to noncardiac cause

Patient ID: 30 Prosthesis size: 25 mm, iEOA: 1.15

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	1,10	2	mixed disease			
0,01	12,0	2,10	1	no morphological changes			
0,97	14,0	2,10	0	no morphological changes			
1,99	12,0	2,40	0	no morphological changes			
3,01	15,6	1,99	0	no morphological changes			
4,03	16,0	1,94	0	no morphological changes			
5,03	15,0	1,48	0	no morphological changes			
6,01	14,0	1,57	0	no morphological changes			
7,06	14,0	1,24	0	no morphological changes			

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	0,84	1	mixed disease			
0,02	6,5	1,80	0	no morphological changes			
0,99	6,7	1,91	0	no morphological changes			
2,05	10,4	1,42	0	no morphological changes			
3,03	10,7	1,33	0	no morphological changes			
4,04	10,0	1,27	0	no morphological changes			
5,07	10,0	1,53	0	no morphological changes			
6,09	8,0	1,55	0	no morphological changes			
7,07	7,0	1,25	0	no morphological changes			
7,99	10,0	1,32	0	no morphological changes			
9,91	15,0	0,95	0	leaflet thickening, impaired opening			stage 1

Patient alive @ 9.91 years

Patient ID: 31 Prosthesis size: 25 mm, iEOA: 1.09

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	1,50	3	mixed disease			
0,02	13,0	2,20	0	no morphological changes			
0,96	15,0	1,37	0	no morphological changes			
2,07	18,3	2,07	0	no morphological changes			
3,09	16,3	1,66	0	no morphological changes			
4,07	18,0	1,67	0	no morphological changes			
5,05	18,0	1,66	0	no morphological changes			
6,02	17,0	1,40	0	no morphological changes			
7,08	12,0	1,56	0	no morphological changes			
8	17,0	1,30	0	no morphological changes			
10,16	10,0	1,80	0	no morphological changes			

Patient alive @ 10.16 years

Patient ID: 32 Prosthesis size: 25 mm, iEOA: 0.8

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	NA	3	post-endocarditis			
0,02	19,0	1,20	0	no morphological changes			
1,05	13,2	1,29	0	no morphological changes			
1,99	14,9	1,27	0	no morphological changes			
3,06	18,3	1,08	1	no morphological changes			
4,06	26,7	1,17	1	no morphological changes	yes ¹		
5,06	25,5	1,07	1	no morphological changes	yes ¹		
6,05	17,0	1,38	1	no morphological changes			
7,13	23,0	0,82	1	leaflet thickening			stage 2
7,98	15,0	1,10	1	no description			
8,97	17,0	1,44	1	leaflet sclerosis			stage 1
9,97	22,0	1,00	1	leaflet sclerosis			stage 2

¹gradient increase without morphological change

Patient alive @ 9.97 years

Patient ID: 33 Prosthesis size: 23 mm, iEOA: 1.23

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	67,0	1,00	1	mixed disease			
0,01	19,0	2,10	1	no morphological changes			
1,08	17,5	1,36	1	no morphological changes			
2,01	19,7	0,69	1	no morphological changes			
3,07	26,1	1,34	1	no morphological changes	yes ¹		
4,08	26,0	0,90	1	no morphological changes	yes ¹		

5,06	21,0	1,04	1	no morphological changes	yes ¹
6,06	35,0	0,96	1	no morphological changes	yes ¹
7,07	18,0	0,70	1	no morphological changes	
8,01	24,0	0,88	1	no morphological changes	yes ¹
9,91	25,0	0,96	1	no morphological changes	yes ¹

¹gradient increase without morphological change

Patient alive @ 9.91 years

Patient ID: 34 Prosthesis size: 23 mm, iEOA: 0.61

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	42,0	0,78	1	stenosis			

Patient died @ 0.46 years due to cardiac cause (heart failure)

Patient ID: 35 Prosthesis size: 23 mm, iEOA: 0.79

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	45,0	NA	0	stenosis			
0,02	17,0	1,60	0	no morphological changes			
1,08	19,2	1,06	0	no morphological changes			
1,94	19,4	1,10	0	no morphological changes			
3,01	27,4	1,39	0	no morphological changes	yes ¹		
4,03	17,0	1,46	0	no morphological changes			
5,05	16,0	1,38	0	no morphological changes			
5,94	18,0	1,26	0	no morphological changes			
7,21	22,0	1,01	0	no morphological changes	yes ¹		
7,96	55,0	0,50	1	leaflet sclerosis, stenosis			stage 3 yes

¹gradient increase without morphological change

Patient died @ 8.76 years due to noncardiac cause

Patient ID: 36 Prosthesis size: 25 mm, iEOA: 0.78

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	NA	2	mixed disease			
0,01	16,4	1,51	0	no morphological changes			
1,07	9,9	1,76	0	no morphological changes			
2,11	17,5	1,48	0	no morphological changes			
2,98	11,3	1,47	0	no morphological changes			
4,18	12,0	1,38	0	no morphological changes			
5,06	10,0	1,36	0	no morphological changes			
6	10,0	1,67	0	no morphological changes			
7,02	7,0	1,43	0	no morphological changes			

Patient died @ 7.7 years due to cardiac cause (Sudden death)

Patient ID: 37 Prosthesis size: 25 mm, iEOA: 0.71

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
0,1	NA	1,40	0	no morphological changes			
1,06	17,4	1,83	1	no morphological changes			
1,98	20,0	1,52	0	no morphological changes	yes ¹		
2,99	26,0	1,95	1	no morphological changes	yes ¹		
4,05	17,0	1,33	0	no morphological changes			

5,06	19,0	1,67	0	no morphological changes	
6,06	18,0	1,21	1	no morphological changes	
7,02	19,0	1,10	0	no morphological changes	
8,03	20,0	1,22	0	no morphological changes	yes ¹
9,85	17,0	1,40	0	no morphological changes	

¹gradient increase without morphological change

Patient alive @ 9.85 years

Patient ID: 38 Prosthesis size: 25 mm, iEOA: 0.86

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	20,0	0,90	0	stenosis			
0,01	14,2	1,89	0	no morphological changes			
1,02	12,5	1,96	0	no morphological changes			
2,02	16,6	2,18	0	no morphological changes			
2,95	18,6	2,18	0	no morphological changes			
4,05	13,0	1,56	0	no morphological changes			
5,1	15,0	1,25	0	no morphological changes			
5,98	18,0	1,52	0	no morphological changes			
7	15,0	1,82	0	no morphological changes			
8	13,0	1,70	1	no morphological changes			
9,82	9,0	2,00	0	no morphological changes			

Patient alive @ 9.82 years

Patient ID: 39 Prosthesis size: 21 mm, iEOA: 1.05

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	0,76	1	mixed disease			
0,01	19,4	1,97	0	no morphological changes			
0,96	20,1	1,05	0	no morphological changes	yes ¹		
1,96	28,2	1,34	0	no morphological changes	yes ¹		
2,99	20,5	0,94	1	no morphological changes	yes ¹		
4,06	14,0	1,56	0	no morphological changes			
5,01	18,0	1,19	0	no morphological changes			
6	19,0	1,02	1	no morphological changes			
7,04	20,0	1,09	1	no morphological changes	yes ¹		
8	29,0	1,09	0	no morphological changes	yes ¹		
8,93	21,0	NA	1	leaflet sclerosis			stage 2

¹gradient increase without morphological change

Patient alive @ 11 years

Patient ID: 40 Prosthesis size: 27 mm, iEOA: 1.13

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	NA	1	mixed disease			
0,01	14,0	2,55	1	no morphological changes			
1,05	9,5	2,29	1	no morphological changes			
1,99	8,8	2,29	1	no morphological changes			
2,99	15,2	2,12	1	no morphological changes			
4,01	11,0	2,13	0	no morphological changes			
5,02	16,0	1,63	0	no morphological changes			

Patient died @ 5.55 years due to noncardiac cause

Patient ID: 41 Prosthesis size: 25 mm, iEOA: 1

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	0,90	1	stenosis			
0,01	17,0	2,00	0	no morphological changes			
1	14,7	1,40	0	no morphological changes			
2,02	15,7	2,26	0	no morphological changes			
3,07	12,9	1,47	0	no morphological changes			
4,05	18,0	1,31	0	no morphological changes			
5,16	15,0	1,62	0	no morphological changes			
6,06	20,0	1,17	0	no morphological changes	yes ¹		
7,04	19,0	1,12	0	no morphological changes			
7,98	20,0	1,06	0	no morphological changes	yes ¹		
9,8	22,0	0,90	0	no morphological changes	yes ¹		

¹gradient increase without morphological change

Patient alive @ 9.8 years

Patient ID: 42 Prosthesis size: 25 mm, iEOA: 1.06

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	73,0	NA	1	mixed disease			
0,01	12,0	2,22	0	no morphological changes			
0,96	11,3	1,84	0	no morphological changes			
1,98	14,3	1,72	0	no morphological changes			
3,06	11,6	2,73	0	no morphological changes			
4,08	13,0	1,89	0	no morphological changes			
5,23	14,0	1,85	0	no morphological changes			
6,05	12,0	1,71	0	no morphological changes			
7,03	13,0	1,30	1	no morphological changes			
7,99	10,0	1,50	1	no morphological changes			
11,03	12,0	1,50	1	leaflet thickening, good valve mobility		stage 1	

Patient alive @ 11.03 years

Patient ID: 43 Prosthesis size: 23 mm, iEOA: 1.23

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	69,0	0,45	1	stenosis			
0,01	18,0	2,16	0	no morphological changes			
1,03	21,1	1,31	0	no morphological changes	yes ¹		
1,98	16,0	1,44	0	no morphological changes			
3,03	17,9	1,82	0	no morphological changes			
4,05	13,0	1,50	0	no morphological changes			
5,02	13,0	1,37	0	no morphological changes			
6,17	19,0	1,22	0	no morphological changes			
7,94	19,0	1,10	1	no morphological changes			
10	14,0	1,10	1	no morphological changes			

¹gradient increase without morphological change

Patient alive @ 10 years

Patient ID: 44 Prosthesis size: 21 mm, iEOA: 0.61

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	36,0	0,70	1	mixed disease			
0,01	26,0	1,00	0	no morphological changes	yes ¹		

1,05	27,5	0,92	0	no morphological changes	yes ¹		
1,97	25,5	1,08	0	no morphological changes	yes ¹		
3,03	25,0	0,92	0	no morphological changes	yes ¹		
4,09	26,0	1,00	0	no morphological changes	yes ¹		
5,07	32,0	0,86	0	no morphological changes	yes ¹		
6,05	31,0	1,05	1	no morphological changes	yes ¹		
7,02	22,0	1,05	0	no morphological changes	yes ¹		
7,96	27,0	0,98	0	no morphological changes	yes ¹		
9,94	44,0	0,80	1	impaired leaflet mobility			stage 3 yes

Patient underwent TAVR @ 10.11 years and alive @ 10.11 years

¹gradient increase without morphological change

Patient ID: 45 Prosthesis size: 21 mm, iEOA: 0.77

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	98,0	0,50	0	stenosis			
0,02	17,7	1,33	0	no morphological changes			
1,05	21,0	1,23	0	no morphological changes	yes ¹		
1,99	27,6	1,10	0	no morphological changes	yes ¹		
3,03	23,2	0,92	0	no morphological changes	yes ¹		
4	21,0	1,00	0	no morphological changes	yes ¹		
5,02	21,0	0,95	0	no morphological changes	yes ¹		
6,02	15,0	0,88	0	no morphological changes			
7,01	17,0	0,96	0	no morphological changes			
8,03	22,0	0,90	0	no morphological changes	yes ¹		
9,35	16,0	1,21	0	no morphological changes			
9,97	15,0	1,15	0	no morphological changes			

¹gradient increase without morphological change

Patient alive @ 10.16 years

Patient ID: 46 Prosthesis size: 23 mm, iEOA: 0.92

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	1,00	1	mixed disease			
0,01	13,0	1,66	0	no morphological changes			
1,03	14,3	1,14	0	no morphological changes			
2	17,4	1,18	0	no morphological changes			
3,02	18,7	0,88	0	no morphological changes			
4,02	19,0	0,79	0	no morphological changes			
5,04	18,0	1,03	0	no morphological changes			
6,01	18,0	0,95	0	no morphological changes			
7,01	19,0	0,97	0	no morphological changes			
7,98	20,0	1,40	0	no morphological changes	yes ¹		
9,75	21,0	0,98	0	leaflet degeneration			stage 2

¹gradient increase without morphological change

Patient alive @ 9.75 years

Patient ID: 47 Prosthesis size: 25 mm, iEOA: 1.04

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	62,4	0,60	0	stenosis			
0,01	16,4	2,00	0	no morphological changes			
1,05	13,9	1,93	0	no morphological changes			
1,97	18,1	1,37	0	no morphological changes			
3,01	14,6	1,86	0	no morphological changes			
3,99	14,0	1,13	0	no morphological changes			
5,03	18,0	1,28	0	no morphological changes			
6,01	15,0	2,10	0	no morphological changes			

7,06	20,0	1,71	0	no morphological changes	yes ¹
8,06	24,0	1,20	0	no morphological changes	yes ¹
9,92	21,0	1,10	0	no morphological changes	yes ¹

¹gradient increase without morphological change

Patient alive @ 9.92 years

Patient ID: 48 Prosthesis size: 23 mm, iEOA: 1.22

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	65,0	0,80	2	mixed disease			
0,01	11,6	2,02	0	no morphological changes			
1,02	15,1	1,26	0	no morphological changes			
1,97	12,4	1,33	0	no morphological changes			
3,07	15,2	1,49	0	no morphological changes			
4,06	16,0	1,63	0	no morphological changes			
5,04	21,0	1,11	0	no morphological changes	yes ¹		
5,98	31,0	1,03	0	no morphological changes	yes ¹		
7,05	28,0	1,03	0	no morphological changes	yes ¹		
8,03	28,0	0,80	0	no morphological changes	yes ¹		
9,89	28,0	0,80	1	no morphological changes	yes ¹		

¹gradient increase without morphological change

Patient alive @ 9.89 years

Patient ID: 49 Prosthesis size: 25 mm, iEOA: 0.96

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	58,0	NA	1	stenosis			
0,02	14,6	1,86	0	no morphological changes			
1,03	17,7	1,85	0	no morphological changes			
1,92	15,1	1,55	0	no morphological changes			
3,04	14,7	1,72	0	no morphological changes			
4,04	15,0	1,31	0	no morphological changes			
5,02	22,0	1,72	0	no morphological changes	yes ¹		
6,15	17,0	1,46	0	no morphological changes			
7,01	15,0	1,10	1	no morphological changes			
7,96	19,0	1,31	1	no morphological changes			
9,93	18,0	1,30	1	no morphological changes			

¹gradient increase without morphological change

Patient alive @ 9.93 years

Patient ID: 50 Prosthesis size: 23 mm, iEOA: 0.98

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	0,70	0	stenosis			
0,02	17,0	2,00	0	no morphological changes			
1,02	15,6	2,12	0	no morphological changes			
1,95	11,3	1,59	0	no morphological changes			
3,05	15,2	1,63	0	no morphological changes			
4,04	16,0	1,52	0	no morphological changes			
5,03	17,0	1,42	0	no morphological changes			
6,04	15,0	1,51	0	no morphological changes			
6,98	16,0	1,62	0	no morphological changes			
7,95	13,0	1,49	0	no morphological changes			
8,96	20,0	NA	0	no morphological changes	yes ¹		
9,62	16,0	2,3	0	no morphological changes			

¹gradient increase without morphological change

Patient alive @ 9.62 years

Patient ID: 51 Prosthesis size: 19 mm, iEOA: 0.71

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	0,88	1	stenosis			
0,01	17,6	1,10	0	no morphological changes			
0,99	20,4	1,18	1	no morphological changes	yes ¹		
2,04	19,0	0,75	0	no morphological changes			
2,99	20,1	0,82	0	no morphological changes	yes ¹		
4,02	18,0	1,03	0	no morphological changes			
5	19,0	0,80	0	no morphological changes			
6,09	18,0	0,86	0	no morphological changes			
7,01	19,0	0,88	0	no morphological changes			
8,07	26,0	0,82	0	no morphological changes	yes ¹		
10,57	22,0	0,83	0	no morphological changes	yes ¹		

¹gradient increase without morphological change

Patient alive @ 10.57 years

Patient ID: 52 Prosthesis size: 23 mm, iEOA: 1.34

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	60,0	0,60	2	mixed disease			
0,01	13,5	2,30	0	no morphological changes			
1,03	15,3	1,56	0	no morphological changes			
2,04	14,0	1,21	0	no morphological changes			
3,04	13,7	1,52	0	no morphological changes			
4,02	14,0	1,17	0	no morphological changes			
5,01	15,0	1,35	0	no morphological changes			
6,03	13,0	1,38	0	no morphological changes			
7,01	10,0	1,20	0	no morphological changes			
8,04	13,0	1,37	0	no morphological changes			
9,09	12,0	NA	0	no morphological changes			
9,98	11,0	1,10	0	no morphological changes			

Patient alive @ 9.98 years

Patient ID: 53 Prosthesis size: 25 mm, iEOA: 0.68

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	73,0	0,70	1	stenosis			
0,02	18,9	1,47	0	no morphological changes			
0,99	17,5	1,62	0	no morphological changes			
1,95	16,0	1,90	0	no morphological changes			
2,92	15,4	1,49	0	no morphological changes			
4	19,0	1,23	0	no morphological changes			
4,98	17,0	1,84	0	no morphological changes			
6,03	14,0	1,75	0	no morphological changes			
7,01	12,0	1,88	0	no morphological changes			
7,93	14,0	1,66	0	no morphological changes			
9,94	12,0	1,20	0	no morphological changes			

Patient alive @ 9.94 years

Patient ID: 54 Prosthesis size: 23 mm, iEOA: 1.02

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	0,90	2	mixed disease			
0,02	14,6	2,13	0	no morphological changes			
0,92	14,0	2,65	0	no morphological changes			
1,94	15,5	2,35	0	no morphological changes			
3,03	11,9	2,63	0	no morphological changes			
4,01	12,0	2,23	0	no morphological changes			
4,97	14,0	NA	0	no morphological changes			
6,12	10,0	2,20	0	no morphological changes			
7,02	12,0	1,54	0	no morphological changes			
7,92	16,0	1,43	0	no morphological changes			
9,95	13,0	NA	0	no morphological changes			

Patient alive @ 9.95 years

Patient ID: 55 Prosthesis size: 27 mm, iEOA: 1.3

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	0,78	0	stenosis			
0,02	11,6	2,51	0	no morphological changes			
0,9	18,2	2,14	0	no morphological changes			
1,94	12,0	2,35	0	no morphological changes			
3,07	11,9	2,36	0	no morphological changes			
4,05	14,0	1,90	0	no morphological changes			
5,07	14,0	2,31	0	no morphological changes			
6,13	14,0	1,61	0	no morphological changes			
7,05	13,0	1,71	0	no morphological changes			
8,07	12,0	1,90	0	no morphological changes			
10,3	8,0	NA	0	no morphological changes			

Patient alive @ 10.51 years

Patient ID: 56 Prosthesis size: 23 mm, iEOA: NA

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	65,0	0,80	1	stenosis			
0,01	23,0	NA	0	no morphological changes	yes ¹		
0,98	14,3	1,47	0	no morphological changes			
1,95	12,0	1,80	0	no morphological changes			
3,08	10,7	1,83	0	no morphological changes			
4,06	9,0	2,25	0	no morphological changes			
4,93	7,0	1,91	0	no morphological changes			
6,09	10,0	1,53	1	no morphological changes			

¹gradient increase without morphological change

Patient alive @ 6.09 years, further follow-up not available due to frailty

Patient ID: 57 Prosthesis size: 25 mm, iEOA: 0.95

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	0,69	1	stenosis			
0,01	14,0	1,76	0	no morphological changes			
0,89	12,1	1,67	0	no morphological changes			
2	18,0	1,63	0	no morphological changes			

2,99	14,2	1,71	0	no morphological changes
4,02	14,0	1,97	0	no morphological changes
4,99	19,0	1,25	0	no morphological changes
6,07	12,0	1,43	0	no morphological changes
6,99	13,0	0,89	0	no morphological changes
7,95	10,0	1,37	0	no morphological changes
10,53	12,0	1,45	0	no morphological changes

Patient alive @ 10.53 years

Patient ID: 58 Prosthesis size: 25 mm, iEOA: 0.64

postop time (y)	mean gradient (mmHg)	EOA (cm2)	transprot. regurg. (grade)	morphological and/or functional changes	NSVD	SVD	BVF
preop	NA	0,86	0	stenosis			
0,01	11,4	1,30	0	no morphological changes			
0,92	15,4	1,26	0	no morphological changes			
1,94	16,0	1,26	0	no morphological changes			
2,95	17,1	1,88	0	no morphological changes			
3,99	12,0	1,88	0	no morphological changes			
4,88	13,0	1,50	0	no morphological changes			
5,92	11,0	2,00	0	no morphological changes			
6,93	12,0	1,51	0	no morphological changes			
7,94	12,0	1,57	0	no morphological changes			
10,29	14,0	1,40	0	no morphological changes			

Patient alive @ 10.29 years

Survival and aortic valve durability, depending on patient prosthesis mismatch (PPM).				
		no PPM	moderate PPM	severe PPM
	Patients	33	18	6
	age (years)	62±10	65±7	68±5
	female	8(24%)	5(28%)	3(50%)
Prosthesis size (mm)	19	0(0%)	2(11%)	0(0%)
	21	2(6%)	2(11%)	2(33%)
	23	11(33%)	4(22%)	2(33%)
	25	16(48%)	9(50%)	2(33%)
	27	3(9%)	1(6%)	0(0%)
	29	1(3%)	0(0%)	0(0%)
Echocardiography @ discharge	meanGrad	14±3	18±4	18±5
	iEOA	1.045±0.139	0.754±0.042	0.615±0.035
	EOA (cm ²)	2.028±0.286	1.414±0.201	1.187±0.146
survival	nr_death @anytime	6(18%)	3(17%)	3(50%)
	@1year	96.9	100.0	66.7
	@5years	93.8	94.4	66.7
	@10years	80.3	80.4	50.0
NSVD	nr_nsvd	14(42%)	12(67%)	3(50%)
CI of NSVD*	@1year	0.06	0.22	0.33
	@5years	0.25	0.61	0.50
	@10years	0.45	0.61	0.50
SVD Stage 1	nr_svd1	8(24%)	5(28%)	1(17%)
CI of ≥ SVD Stage 1	@1year	0.00	0.00	0.00
	@5years	0.00	0.00	0.00
	@10years	0.24	0.31	0.17
SVD Stage 2	nr_svd2	5(15%)	4(22%)	1(17%)
CI of ≥ SVD Stage 2	@1year	0.00	0.00	0.00
	@5years	0.00	0.00	0.00
	@10years	0.17	0.25	0.17
SVD Stage 3	nr_svd3	3(9%)	3(17%)	1(17%)
CI of SVD Stage 3	@1year	0.00	0.00	0.00
	@5years	0.00	0.00	0.00
	@10years	0.10	0.19	0.17
BVF	nr_bvf	3(9%)	3(17%)	2(33%)
CI of BVF	@1year	0.00	0.00	0.17
	@5years	0.00	0.00	0.17
	@10years	0.10	0.19	0.33

PPM was determined with the measured effective orifice area at Hospital discharge divided by the body surface area, (>0.85cm²/m²), moderate mismatch (EOAI 0.85–0.65 cm²/m²) and severe mismatch (EOAI <0.65 cm²/m²). Thus, only hospital survivors are included in this table, therefore the patient number is 57*. BVF: bioprosthetic valve failure; CI: cumulative incidence; cm: centimeter; EOA: effective orifice area; iEOA: indexed effective orifice area; meanGrad: mean gradient; mm: millimeter; nr: number; NSVD: non-structural valve dysfunction; PPM: patient-prosthesis mismatch; SVD: structural valve deterioration.