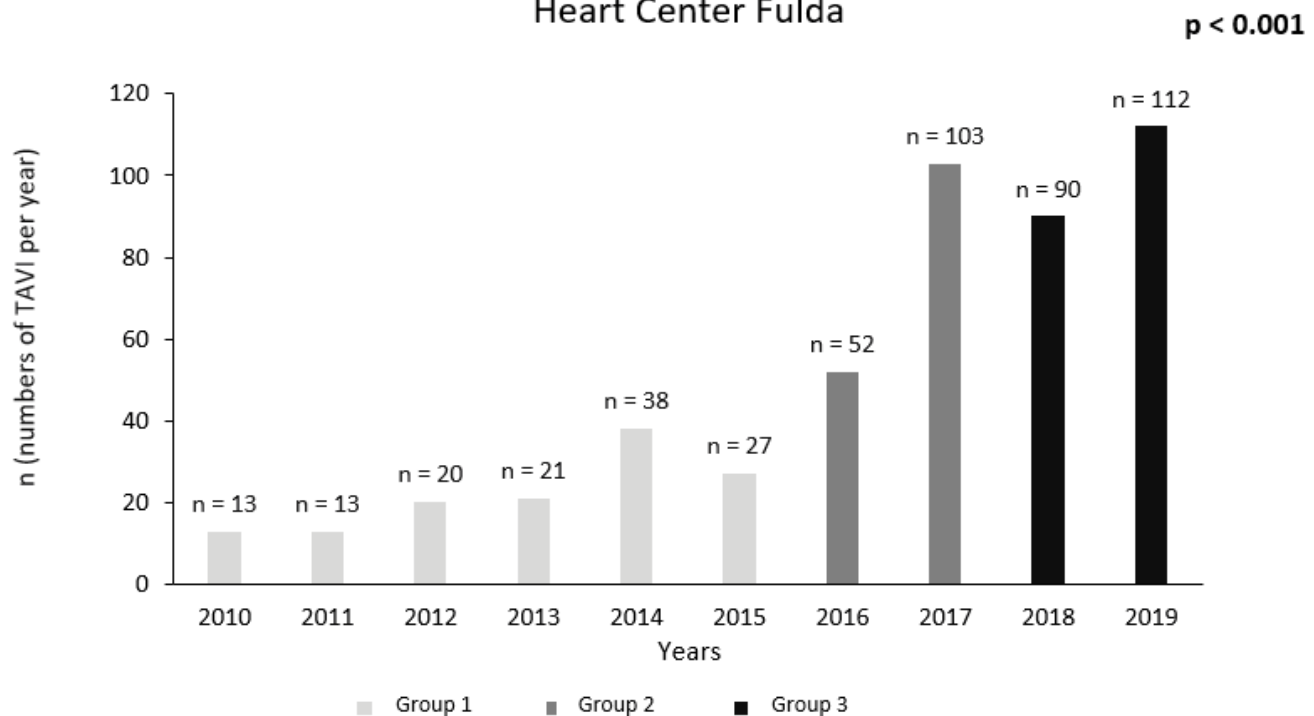


Platelets before TAVI (Tsd. / μ l)	0.026	0.992	0.985 – 0.999
Echocardiography			
LVEF (%)	0.512	0.988	0.952 – 1.025
Normal systolic LV function (≥ 50 %)	0.9	0.942	0.368 – 2.407
Moderately reduced LV function (41-49 %)	0.248	2.106	0.595 – 7.458
Severely reduced LV function (≤ 40 %)	0.53	0.675	0.198 – 2.305
AVA (cm^2)	< 0.001	0.007	0.000 – 0.110
MPG (mmHg)	0.177	0.979	0.949 – 1.010
Diameter aortic annulus (Echocardiography) (mm)	0.788	1.022	0.871 – 1.199
Computer tomography (CT)			
CT prior to TAVI	0.002	0.206	0.077 – 0.556
Diameter aortic annulus (mm)	0.412	1.094	0.883 – 1.355
Area-derived diameter (mm)	0.333	1.139	0.875 – 1.484
Perimeter-derived diameter (mm)	0.271	1.159	0.891 – 1.506
Distance right coronary artery to aortic annulus (mm)	0.34	0.518	0.134 – 2.000
Distance left coronary artery to aortic annulus (mm)	0.528	0.613	0.134 – 2.803
Minimal diameter right femoral artery (mm)	0.664	0.928	0.664 – 1.299
Minimal diameter right external iliac artery (mm)	0.573	0.914	0.668 – 1.250
Minimal diameter left external iliac artery (mm)	0.399	0.867	0.623 – 1.207
Kinking	0.747	1.198	0.399 – 3.596
Electrocardiography (ECG)			
Atrial fibrillation before TAVI	0.037	2.419	1.056 – 5.540
Permanent pacemaker before TAVI	0.283	0.33	0.044 – 2.491
AV block degree 1 before TAVI	0.821	1.114	0.436 – 2.850
LBBB before TAVI	0.923	0.93	0.212 – 4.085
RBBB before TAVI	0.085	2.315	0.890 – 6.023
LAFB before TAVI	0.367	0.509	0.117 – 2.205
General procedural characteristics			
Hybrid operation room	0.028	0.408	0.184 – 0.907
Procedure duration (min)	< 0.001	1.014	1.008 – 1.020
Laboratory time (min)	< 0.001	1.011	1.005 – 1.016
Contrast medium consumption (ml)	0.015	1.006	1.001 – 1.010
Fluoroscopy time (min)	0.047	1.058	1.001 – 1.120
Radiation dose (cGycm^2)	0.263	1	1.000 – 1.000
Route access			
Transfemoral	0.303	0.652	0.288 – 1.473
Transapical	0.303	1.535	0.679 – 3.467
Valve types			
Edwards valve	0.038	2.464	1.050 – 5.779
Medtronic valve	0.219	0.557	0.219 – 1.416
Symetis valve	0.218	0.399	0.092 – 1.722
Sheath size	0.753	1.109	0.583 – 2.111
Valve size	0.239	0.87	0.690 – 1.097
Specific procedural characteristics			
Predilatation	0.118	2.101	0.828 – 5.332
Rapid pacing	0.3	1.693	0.625 – 4.582

Postdilatation	0.151	0.228	0.030 – 1.713
Postprocedural Outcomes			
Stroke	0.447	2.275	0.274 – 18.906
Major bleeding	0.641	1.644	0.204 – 13.240
Minor bleeding	0.832	0.802	0.104 – 6.192
Blood transfusion	< 0.001	9.606	3.929 – 23.487
Acute kidney injury (all stages)	0.001	4.064	1.729 – 9.548
AKIN I	0.638	0.808	0.332 – 1.965
AKIN III	< 0.001	19.239	7.694 – 48.106
Major vascular complication	< 0.001	7.871	2.802 – 22.110
Minor vascular complication	0.42	0.435	0.057 – 3.296
New AV block 1	0.709	0.755	0.173 – 3.300
New AV block 3	0.913	1.086	0.246 – 4.795
New LBBB	0.187	0.439	0.129 – 1.492
New RBBB	0.244	3.664	0.412 – 32.557
New LAFB	0.879	1.122	0.254 – 4.963
Hemodynamic relevant arrhythmias	< 0.001	14.605	5.857 – 36.423
New permanent pacemaker implantation	0.529	1.383	0.504 – 3.792
Paravalvular insufficiency	0.669	0.749	0.200 – 2.810
Hospitalization after TAVI (days)	0.044	1.013	1.000 – 1.025

Development of annual TAVI procedures at Heart Center Fulda



Supplementary Figure 1: Development of annual TAVI procedures at Heart Center Fulda. Description: Group 1 (years 2010-2015), Group 2 (years 2016-2017) and Group 3 (years 2018-2019).