

SUPPLEMENTAL MATERIAL

Table S1

Missing Baseline Characteristics, Multiple imputation and Adjusted Analyses

	Nr of missing values	Imputed	Used to impute***	Used for Adjusted Cox's Regression
Nr of patients	N = 955			
Age	0 (0.0%)	No	Yes	Yes
Sex	0 (0.0%)	No	Yes	No
Body mass index	3 (0.3%)	Yes	Yes	No
Cardiac Risk Factors				
Diabetes mellitus	0 (0.0%)	No	Yes	No
Dyslipidemia	0 (0.0%)	No	Yes	Yes
Hypertension	1 (0.1%)	Yes**	Yes	No
Past Medical History				
Previous pacemaker implantation	0 (0.0%)	No	Yes	No
Previous myocardial infarction	0 (0.0%)	No	Yes	No
Previous cardiac surgery	0 (0.0%)	No	Yes	No
Previous cerebrovascular accident	0 (0.0%)	No	Yes	No
Clinical Features				
Peripheral vascular disease	1 (0.1%)	Yes**	Yes	Yes
Chronic obstructive pulmonary disease	1 (0.1%)	Yes**	Yes	No
Coronary artery disease	0 (0.0%)	No	Yes	No
Aortic Valve Area (cm ²)	241 (25.2%)	Yes	Yes	Yes
Mean transaortic gradient	104 (10.9%)	Yes	Yes	No
Aortic regurgitation grade moderate or severe	65 (6.8%)	Yes	Yes	Yes
Mitral regurgitation grade moderate or severe	50 (5.2%)	Yes	Yes	No
Symptoms on admission				
New York Heart Association (NYHA) Functional Class	48 (5.0%)	Yes	Yes	Yes
Canadian Cardiovascular Society Angina Class	4 (0.4%)	Yes	Yes	No

Risk Assessment				
STS Score	22 (2.3%)	Yes	Yes	Yes
Device				
Device size	0 (0.0%)	No	Yes	No
Primary Outcome				
Early Safety Endpoint	0 (0.0%)	No	Yes	No

** Single imputation with the mode. All other missing values were multiple imputed.

*** Chained equations.

Collaborators and Swiss TAVI Investigators:

University Hospital Basel

Department of Cardiology: Raban Jeger, MD; Christoph Kaiser, MD

Department of Cardiothoracic Surgery: Oliver Reuthebuch, MD

University Hospital Bern

Department of Cardiology: Stefan Stortecky, MD; Stephan Windecker, MD; André Frenk, PhD

Department of Cardiothoracic Surgery: Eva Roost, MD; Thierry Carrel, MD

Department of Clinical Research and Clinical Trials Unit, University of Bern: Peter Jüni, MD; Dik Heg, PhD; Alan Haynes, PhD

University Hospital Geneva

Department of Cardiology: Marco Roffi, MD; Stephane Noble, MD

Department of Cardiothoracic Surgery: Christoph Huber, MD

University Hospital Lausanne

Department of Cardiology: Olivier Muller, MD; Eric Eeckhout, MD

Cantonal Hospital Lucerne

Department of Cardiology: Stefan Toggweiler, MD

Department of Cardiothoracic Surgery: Xavier Mueller, MD

Cardiocentro Ticino, Lugano

Department of Cardiology: Giovanni Pedrazzini, MD

Department of Cardiothoracic Surgery: Enrico Ferrari, MD

Triemli Hospital Zurich

Department of Cardiology: David Tüller, MD; Franz Eberli, MD

Department of Cardiothoracic Surgery: Michele Genoni, MD; Omer Dzemali, MD

Hirslanden Klinik im Park Zurich

Department of Cardiology: Peter Wenaweser, MD; Franz W. Amann, MD

Department of Cardiothoracic Surgery: Pascal A. Berdat, MD

Hirslanden Cardiac Centre Zurich

Department of Cardiology: Gabor Sütsch, MD

Department of Cardiothoracic Surgery: Franziska Bernet, MD

Heart Clinic Hirslanden Zurich

Department of Cardiology: Roberto Corti, MD

Department of Cardiothoracic Surgery: Jürg Grünenfelder, MD

Hirslanden Clinic Beau – Site Bern

Department of Cardiology: Urs Kaufmann, MD

Hirslanden Clinic Cecil Lausanne

Department of Cardiology: Stéphane Cook, MD; Jean-Jacques Goy, MD; Mario Togni, MD

Hirslanden Clinic Aarau

Department of Cardiothoracic Surgery: Lars Englberger, MD; Fabian Gisler MD; Bettina Langhammer, MD

Cantonal Hospital Aarau

Department of Cardiology: André Vuilliomenet, MD; Igal Moarof, MD

Hôpital de La Tour Geneva

Department of Cardiology: Edoardo de Benedetti, MD; Amir Fassa, MD

University Hospital Zurich

Department of Cardiology: Fabian Nietlispach, MD; Ronald Binder, MD

Department of Cardiothoracic Surgery: Francesco Maisano, MD; Maurizio Taramasso, MD

St Clara's Hospital Basel

Department of Cardiology: Lukas Altwegg, MD (prior member of the SC)