

## Supplementary material

### Supplementary tables:

**Supplemental Table S1:** Boundaries for AVCd according to sex-specific tertiles

	AVCd tertiles	Boundaries (mm <sup>3</sup> calcium / cm <sup>2</sup> )	N
<b>male</b>	1 <sup>st</sup> tertile	0.58 - 62.45	149
	2 <sup>nd</sup> tertile	62.45 - 120.55	149
	3 <sup>rd</sup> tertile	120.55 - 641.29	150
<b>female</b>	1 <sup>st</sup> tertile	4.97 - 51.04	90
	2 <sup>nd</sup> tertile	51.04 - 96.15	90
	3 <sup>rd</sup> tertile	96.15 - 724.53	90

Abbreviations: *AVCd* = aortic valve calcification density

**Supplemental Table S2:** Additional procedural outcome

Procedural data and outcomes	Study population (N=718)
THV size (mm)	27.0 (26.0, 29.0)
Oversizing (%)	14.1 (5.4, 25.9)
Predilation	274 (72.1)
Postdilation	115 (30.3)
Cerebral embolic protection	35 (9.2)
P mean after TAVI (mmHg)	7.1 (5.0, 10.0)
EOA after TAVI (cm <sup>2</sup> )	1.7 (1.4, 2.0)

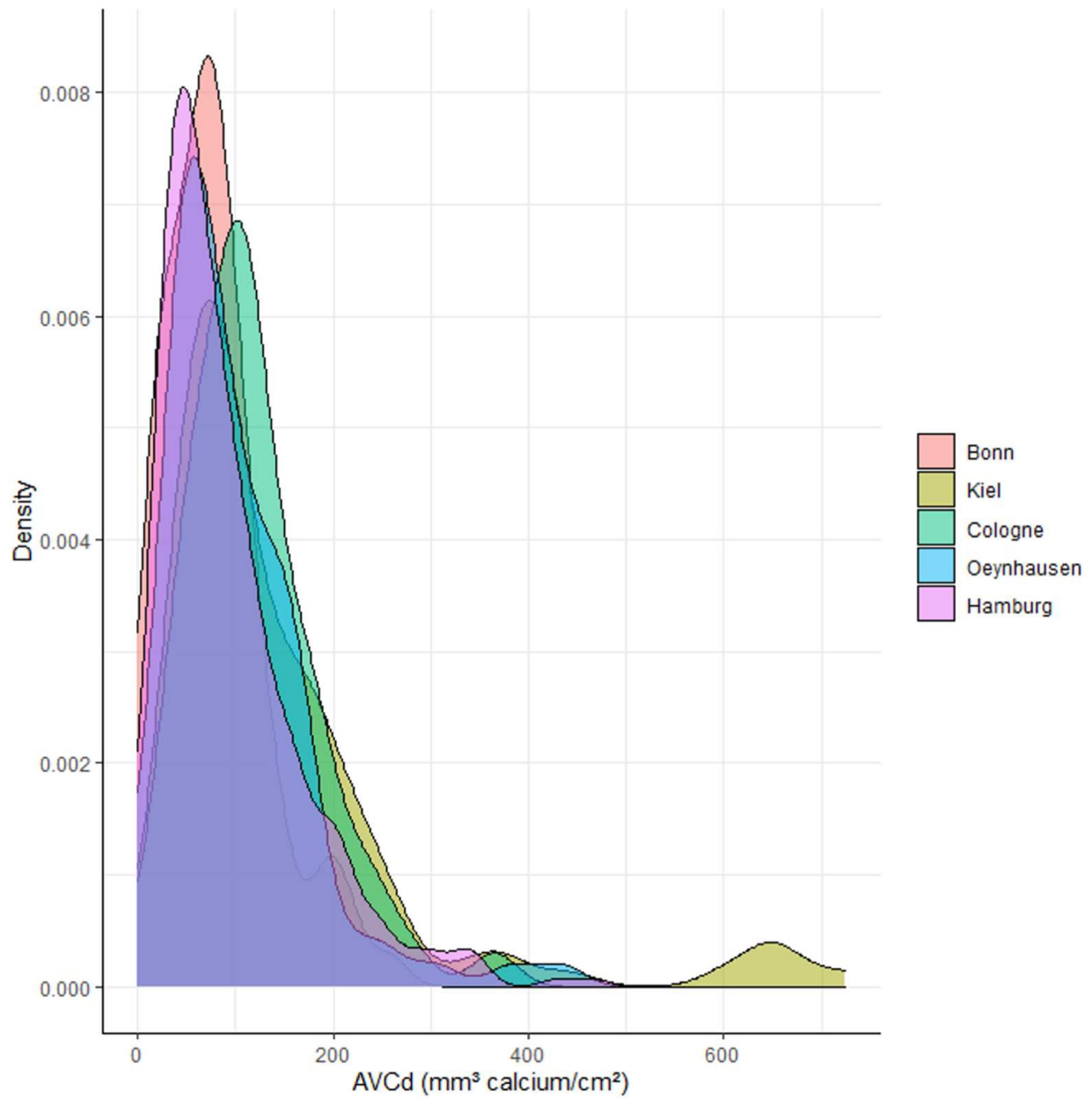
Abbreviations: *AKIN* = acute kidney injury network, *EOA* = effective orifice area, *P mean* = mean transvalvular pressure gradient, *TAVI* = transcatheter aortic valve implantation, *THV* = transcatheter heart valve

**Supplementary figure legends:****Supplemental Figure S1:**

Distribution of center-specific aortic valve calcification density (AVCd) measurements

**Supplemental Figure S2:**

Distribution of RELiEF TAVI score points across the study population

**Supplemental figures:****Supplemental Figure S1:**

Supplemental Figure S2:

