

# Coronary Artery Disease Assessment Strategies in TAVI Patients

NCT06559332

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Status	RECRUITING
Phase	Not Applicable
Sponsor	Insel Gruppe AG, University Hospital Bern
Enrollment	546 participants

## Key Eligibility Criteria

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### Inclusion (8)

- Severe aortic stenosis defined by aortic valve area (AVA)  $\leq 1 \text{ cm}^2$  AND mean gradient  $\geq 40 \text{ mmHg}$  or peak velocity  $\geq 4.0 \text{ m/s}$
  - OR
  - if mean gradient  $\leq 40 \text{ mmHg}$  and peak velocity ( $V_{\text{max}}$ )  $\leq 4 \text{ m/s}$  and stroke volume indexed to body surface area (SVi)  $\geq 35 \text{ mL/m}^2$  and LVEF  $\geq 50\%$  then if CT-derived aortic valve calcium score  $\geq 2000$  Agatston units in men,  $\geq 1200$  in women
  - OR
  - if mean gradient  $\leq 40 \text{ mmHg}$  and  $V_{\text{max}} \leq 4 \text{ m/s}$  and SVi  $\geq 35 \text{ mL/m}^2$  and LVEF  $\leq 50\%$  then if CT-derived aortic valve calcification  $\geq 2000$  Agatston units in men,  $\geq 1200$  in women OR if low-dose dobutamine stress echocardiography with flow reserve ( $\geq 20\%$  increase in stroke volume) and AVA  $\leq 1 \text{ cm}^2$
- ... and 3 more (see full listing online)

### Exclusion (7)

- Concomitant valvular heart disease or ascending aortic aneurysm with indication for surgery or intervention
  - Unprotected left main coronary stenosis  $\geq 50\%$  or left main not evaluable based on coronary computed tomography angiography derived from routine pre-TAVI CT
  - Left ventricular ejection fraction (LVEF)  $< 30\%$
  - New regional wall motion abnormalities on echocardiography
  - Myocardial infarction in previous 12 months
- ... and 2 more (see full listing online)

## Locations (1 total)

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University Hospital Bern, Department of Cardiology, Bern, Switzerland