

# Cohort Observing Mechanisms, Progression and Sequelae of Valvular Heart Disease

NCT07267117

---

Status	RECRUITING
Sponsor	Second Affiliated Hospital, School of Medicine, Zhejiang University
Enrollment	10,000 participants

## Key Eligibility Criteria

---

### Inclusion (11)

- At least 18 years old;
  - Be willing and able to provide informed consent to participate in the study;
  - Patients with heart valve disease diagnosed by echocardiography who meet one of the following criteria:
  - Grade II or higher Aortic valve regurgitation: regurgitant jet width  $>3$  mm, jet width / LVOT diameter  $\geq 25\%$ , jet cross-sectional area/LVOT cross-sectional area  $\geq 5\%$ , effective regurgitant orifice area (EROA)  $\geq 0.1$  cm<sup>2</sup>, regurgitant volume per beat (R Vol)  $\geq 30$  ml, or regurgitant fraction (RF)  $\geq 30\%$ .
  - Moderate or higher aortic valve stenosis: peak velocity  $\geq 3.0$  m/s, Mean gradient  $\geq 20$  mm Hg, aortic valve area  $\leq 1.5$  cm<sup>2</sup>, Indexed aortic valve area  $\leq 0.85$  cm<sup>2</sup>/m<sup>2</sup>, or velocity ratio  $\leq 0.50$ .
- ... and 6 more (see full listing online)

### Exclusion (3)

- Patients who are unwilling to accept registration and follow-up;
- Patients who cannot cooperate with information collection and follow-up due to mental illness or other conditions;
- Patients whose life expectancy is less than 12 months due to non-cardiac diseases (such as cancer, liver disease, kidney disease, or end-stage lung disease).

## Locations (15 total)

---

Fujian Provincial Hospital, Affiliated to Fuzhou University, Fuzhou, Fujian, China  
Renmin Hospital of Wuhan University, Wuhan, Hubei, China  
Xiangya Hospital of Central South University, Changsha, Hunan, China  
... and 12 more locations