

SMART Watch Facilitated Early Discharge in Patients Undergoing Transcatheter Aortic Valve Replacement

NCT04454177

Status RECRUITING
Sponsor Second Affiliated Hospital, School of Medicine, Zhejiang University
Enrollment 100 participants

Key Eligibility Criteria

Inclusion (5)

- At least 18 years old;
- Be willing and able to provide informed consent to participate in the study;
- Not share HUAWEI Watch, HUAWEI phone with anyone else;
- Patient has severe aortic stenosis with echocardiographically derived criteria: mean gradient \geq 40mmHg or maximum velocity greater than 4.0 m/s or an initial aortic valve area of \leq 1.0 cm²;
- Patient who undergoing elective transfemoral transcatheter aortic valve replacement.

Exclusion (5)

- Severe complications of TAVR, such as death, and conversion to SAVR;
- Life expectancy is less than 12 months due to non-heart disease (such as cancer, chronic liver disease, chronic kidney disease, or chronic end-stage lung disease, etc.);
- Severe dementia (cannot sign research informed consent, cannot take care of themselves or complete the study visit);
- The investigator believes that the patient is not suitable to participate in the study or complete the follow-up prescribed by the protocol from other medical, social and psychological aspects;
- The patient is currently participating in another randomized study.

Locations (1 total)

Second Affiliated Hospital, School of Medicine, Zhejiang University, Hangzhou, Zhejiang, China