

ECG and Echo Characteristics of BBAP

NCT06995027

Status	RECRUITING
Phase	Not Applicable
Sponsor	Shanghai Tong Ren Hospital
Enrollment	30 participants

Plain Language Summary

This study evaluates a newer way of placing a pacemaker lead called Bachmann's bundle area pacing (BBAP), which aims to stimulate the heart in a more natural, coordinated way compared to conventional pacing methods. Traditional pacing can sometimes cause the heart to beat in an uncoordinated manner over time, leading to weakened heart function. This study records ECG (heart rhythm tracing) and echocardiogram (heart ultrasound) results before and after implantation to understand how this technique affects the heart's electrical activity and pumping function over time.

****You may be eligible if...****

- You are 18 or older
- You need a new pacemaker for atrial pacing, dual-chamber pacing, or cardiac resynchronization therapy
- You have agreed to receive Bachmann's bundle area pacing

****You may NOT be eligible if...****

- You are replacing or upgrading an existing pacemaker (not a new implant)
- You need a defibrillator device (ICD)
- You are pregnant or planning to become pregnant during the study
- You are already enrolled in another interfering clinical trial

Talk to your doctor to see if this trial is right for you.

Key Eligibility Criteria

Inclusion (4)

- Patients aged \geq 18 years old
- Patients who are willing to provide Informed Consent
- Patients who are indicated to atrial pacing, dual-chamber pacing, or cardiac resynchronization therapy
- Patients who consent to Bachmann's bundle area pacing

Exclusion (5)

- Patients who are indicated for cardiac implantable electronic device replacement or upgrade
- Patients with defibrillation indications
- Patients who are pregnant or have a plan for pregnancy during the study
- Patients who have medical conditions that would limit study participation
- Patients who were already enrolled in other trials which would impact his/her participation

Locations (1 total)

Shanghai Tong Ren Hospital, Shanghai, Shanghai Municipality, China

<https://clinicaltrials.gov/study/NCT06995027>

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