

Comprehensive Computed Tomography Guidance of Coronary Bypass Graft Surgery

NCT03894423

Status RECRUITING
Sponsor Stanford University
Enrollment 200 participants

Key Eligibility Criteria

Inclusion (3)

- Planned elective CABG for coronary artery disease.
- CABG is the primary indication for surgery (but may include treatment of mild-moderate valvular disease).
- Age: e40 years.

Exclusion (6)

- Technical feasibility of the cardiac CT exams: redo-CABG, significant arrhythmia/mal-conduction, congenital conditions, severe valvular disease or cardiomyopathy (to the extent that the CT acquisition is technically challenged), inadequate understanding of the English language (to provide consent or follow instructions during the exams).
- Overall safety: unstable clinical condition (clinical heart failure, unstable angina, myocardial infarction <1 month prior).
- Radiation risk: pregnancy (cannot be ruled out), body weight >100kg.
- CT contrast medium-related: known allergy, renal failure
- Vasodilator related: known allergy, bronchial asthma requiring daily use of bronchodilators, Mobitz II or 3rd degree AV block, sick sinus node disease, clinically significant carotid artery narrowing, severe aortic stenosis or LVOT narrowing, systolic blood pressure below 90mmHg, (continued) use of dipyridamole or aminophylline.

... and 1 more (see full listing online)

Locations (3 total)

Palo Alto Veterans Affairs Healthcare System, Palo Alto, California, United States
Stanford University, Palo Alto, California, United States
University of California San Diego, San Diego, California, United States