

Delayed Cold-Stored Platelets -PLTS-1

NCT06147531

Status	RECRUITING
Phase	Phase 2
Sponsor	University Health Network, Toronto
Enrollment	150 participants

Key Eligibility Criteria

Inclusion (6)

- Adult (≥18 years old) patients undergoing elective cardiac surgery with CPB will be eligible for inclusion if they are planned to undergo at least moderately complex surgery or have a preoperative platelet count $\geq 150,000 \times 10^6/L$ (this is a group at high risk of requiring platelet transfusions post-CPB).
- Moderately complex index surgery is defined as:
 - repair/replacement of more than one valve;
 - aorta (root/ascending/arch) replacement;
 - any combination of coronary artery bypass grafting, valve repair/replacement, or aorta (root/ascending/arch) replacement; or ... and 1 more (see full listing online)

Exclusion (11)

- Patients will be excluded if cold-stored platelets are not going to be available at the time of surgery or if the patient:
 - has a congenital or acquired hemostatic disorder (including platelet refractoriness due to anti-platelet and anti-human leukocyte antigen [HLA] antibodies) and/or requires specially matched platelets (including patients with anaphylaxis to blood due to Immunoglobulin A [IgA] deficiency),
 - has known contraindications to heparin, thereby excluding cases where non-reversible anticoagulants (i.e. argatroban) are used,
 - is on warfarin or direct oral anticoagulants (dabigatran, rivaroxaban, apixaban or edoxaban) within 3 days prior to surgery,
 - is on antiplatelet drugs within 5 days prior to surgery (excluding acetylsalicylic acid [ASA]),
 - ... and 6 more (see full listing online)

Locations (2 total)

Kingston Health Sciences Centre, Kingston, Ontario, Canada
Toronto General Hospital - University Health Network, Toronto, Ontario, Canada