

PIFB Catheter Randomized Controlled Trial

Key Points:

- Because your breastbone is cut for your heart surgery, it can be quite painful after the operation.
- In the study, an anesthesiologist will place two small nerve block catheters beside your breastbone under the chest muscles. This is where the nerves supplying your breastbone are.
- All patients will receive freezing medication (ropivacaine) through the catheters, which will temporarily numb the nerves for 8 or more hours.
- After that, patients will be randomized to receiving an infusion of freezing medication or placebo through their catheters for 48 hours:

Study Group
(Ropivacaine 0.2%)

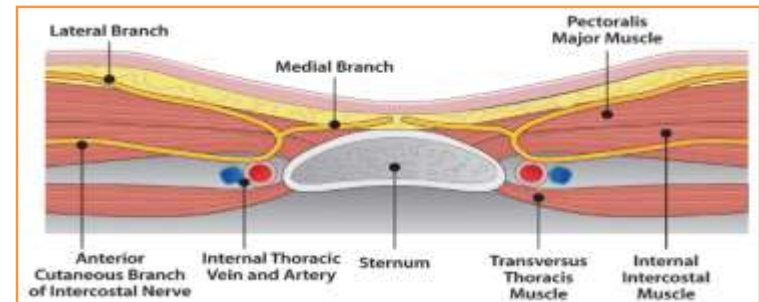
Or

Placebo Group
(Saline)

- The study goal is to find out if an infusion of freezing medications for 48 hours work better than a single administration of freezing medication for pain control after heart surgery.

Inclusion Criteria

- English-speaking
- Adult (≥ 19)
- Scheduled cardiac surgery patients with complete median sternotomy



Key Contacts

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