Patients for abdominal tissue breast reconstruction surgery

Pre-operative eligibility assessed

Exclusion Criteria:
1. BMI > 40
2. Allergy to bupivacaine or local anesthetic
3. Known cardiac disease – CAD or valvular
4. Known liver disease
5. Drug addiction
6. Opioid tolerance
7. Psychiatric illness other than depression or anxiety

Inclusion Criteria
1. Abdominal tissue breast reconstruction
2. > Age 18
3. English speaking

Informed consent
Baseline Assessment

Baseline assessment:
1. Clinical (Drug allergies, BMI, heart or liver conditions)
2. Patient reported (Pain history/ disability)

Pre-operative randomization

Abdominal tissue breast reconstruction

Placebo (saline solution) Double-blind

Bupivacaine (local anesthetic) Double-blind

Peri/post-operative assessment
Clinical: toxicity, complications, opioid consumption first 48 hours

Hospital discharge assessment including: cumulative anti-nausea consumption, Quality of Recovery (QOR) score, duration of hospital stay, daily pain intensity scores, postoperative nausea and vomiting, sedation score, time to first bowel movement, time to first ambulation

Population

Enrollment

Allocation

In-Patient Follow-up

Stratify by:
1) Timing (Delayed vs. Immediate)
2) Laterality (Unilateral vs. Bilateral)