

ABSTRACT

AIM:

1. To study the efficacy, cosmesis and cost effectiveness between adhesive glue and suture material.

MATERIALS AND METHODOLOGY:

1. STUDY CENTRE- Madras Medical College and Rajiv Gandhi Government General Hospital.
2. DURATION- february2017- septemner 2017
3. STUDY DESIGN- Observational study
4. SAMPLE SIZE- 100

INCLUSION CRITERIA:

1. All patient of more than 13yrs of age upto 60 yrs undergoing open inguinal hernia repair.
2. Patients with unilateral or bilateral hernia.

EXCLUSION CRITERIA:

1. Patients of less than 12 yr and more than 60 yrs.
2. Patients who underwent previous hernia repair.
3. Diabetic patients and immunocompromised individual.
4. Patients with skin disease in operating area.

RECOMMENDATIONS:

1. A large multicentric trial is essential to have larger sample to make the data more informative.
2. A comparative study with other wound closure technique such as staples, surgical tape and steri strips will be more informative.
3. Cost effectiveness of skin glue is high , even then loss of wages, transportation charges and need for antibacterial medicaments, local dressing is less for glue compared to suture material .

CONCLUSION;

The present study is done to compare the skin closure technique with Adhesive skin and skin suturing material. The concept of Adhesive skin glue is superior to skin suturing due to following properties:

1. Faster, comfortable and cosmetically better.
2. Time taken for skin closure is shorter which inturn reduces operating time.
3. It provides flexible,water resistant and sealed skin closure.
4. It forms water tight barrier and allows the patient to take shower at any time.
5. Stitches need not be removed.
6. No need to apply bandages.

7. Reduced postoperative pain.
8. It disappears naturally as incision heals and leaves no mark.
9. It is non- irritant and can be safely applied.

Therefore it is concluded that Octylcyanoacrylate can be used in surgical skin closure in clean elective surgeries.

KEYWORDS:

Skin glue

Skin closure

Hernia repair

Suture material