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Comparison between onlay and sublay method of mesh repair for incisional hernia

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Objective: To evaluate the repair of incisional hernia by two different methods on lay (conventional method) and sublay (retro muscular preperitoneal) methods at two different tertiary care centers of Karachi, Pakistan.

Methodology: Patients diagnosed clinically and confirmed ultrasonographical subsequently operated upon with either methods were included in this study. The primary endpoint was hernia recurrence. Secondary endpoints were operative time, length of hospital stay and postoperative complications of the two methods.

Results: A total of 80 patients were allocated in two groups, Group A (n=40) underwent incisional hernia repair by sublay method and the remaining in Group B, (n=40) by onlay method. The frequency of wound infection was found significantly higher in the sublay method of mesh placement (p=0.019). The frequency of seroma formation was significantly higher in the onlay method of mesh placement (p=0.076).

Conclusion: The sublay technique was proven to be very effective with minimal complications and low recurrence rate.

Biography

Nadia Saeed is a General Surgeon practicing in United Arab Emirates and Pakistan. She is the member of Royal College of Physicians and Surgeons of Glasgow. She is well versed with all surgeries, all proctological and breast surgeries.

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