

Influence of intra- and post-operative complications on patient reported outcomes measures in ventral hernia repair surgery

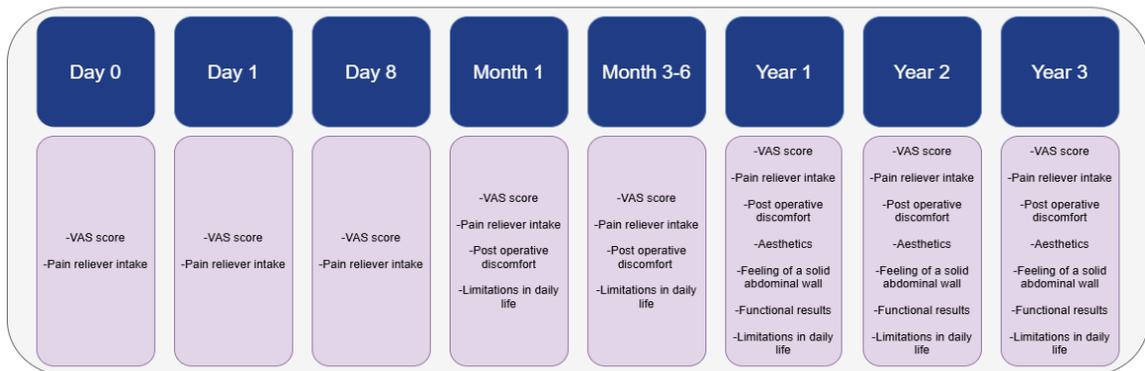
Results of 13,733 prospectively reported cases using a propensity score matched analysis on registry data

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Background

Patient-reported outcome measures provide unique insights into health outcomes that only measurements models.

patients can accurately convey but few studies

are known that research the influence of **Results**

complications on these outcomes in ventral Over the study period, 13,733 patients completed PROMs and had data on intra- or post-operative complications including 7,763 hernia repair surgery.

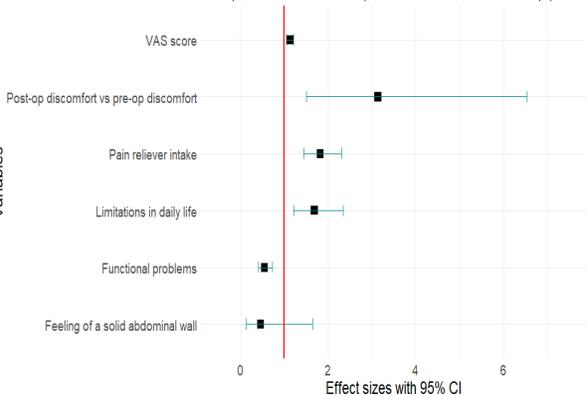
Methods

Patients who underwent ventral hernia repair univariate analyses, the postoperative between 2011 and 2024 were selected from the outcomes were significantly related to a prospectively maintained French Hernia-Club decreased quality of life. After propensity score Registry. Groups were based on the occurrence matching, patients with visceral complications, of intraoperative events, medical surgical site infections or surgical site complications, postoperative general occurrences had significant worse outcomes complications, surgical site occurrences, across the patient reported outcome measures. surgical site infections during follow-up. Groups

were matched on the occurrence of **Conclusion**

complications and regression models were In the present analysis of a large registry on used to assess differences on VAS score, pre-ventral hernia repairs, matched based compared to post-op discomfort, pain reliever regression analyses show that abdominal wall intake, pain scores, limitations in daily life, related complications result in significantly functional problems, and the feeling of a solid worse patient reported outcome measures. abdominal wall.

Forest plot: the effect of visceral complications on the PROMs in a matched population



Forest plot: the effect of SSI or SSO on the PROMs in a matched population

