

Impact of laparoscopic sacrocolpopexy (LSC) on sexual activity and function in women with advanced stages of pelvic organ prolapse (POP): A 5-year prospective study.

Bernard Najib¹, Zdenek Rusavy², wael Abdallah³, Yara Abdelkhalek¹, Nathalie Giraud¹, and Bruno Deval¹

¹Geoffroy Saint Hilaire Hospital

²Medical Faculty and University Hospital in Pilsen, Charles University in Prague

³Université Saint-Joseph

March 31, 2022

Abstract

Objective: To compare patients undergoing laparoscopic sacrocolpopexy for pelvic organ prolapse POP, in terms of sexual function and surgical anatomical outcomes more than 5-years follow up period. **Design:** This is a cohort study of prospectively collected data that includes all women who underwent LSC between July 2005 and December 2021 at a tertiary care center. **Setting:** Improvement in sexual function is an acknowledged goal for women undergoing pelvic organ prolapse repair. The impact of POP surgeries on sexual activity and function is very controversial, with some studies showing improvement, while others showed no differences or worsening in sexuality after the surgery **Population:** 228 women were enrolled in this study. **Methods:** Patients completed the validated quality of life questionnaires and were evaluated using the POP-Q, the PFDI-20, PFIQ-7 and the PISQ-12 scores. Patients were divided preoperatively according to their sexual activity and postoperatively according to the sexual improvement after POP surgery. **Main Outcomes:** To compare the PISQ-12 score pre and postoperatively and to assess anatomical and sexual improvement after surgery. **Results:** There was a statistically significant improvement in the PFDI, PFIQ and POPQ-score score. There was no significant improvement in the PISQ-12 score with more than 5 years follow-up. 76.1% of patients who were not sexually active preoperatively resumed their sexual activity after the surgery. **Conclusions:** The anatomical correction of a pelvic organ prolapses and pelvic floor disorders by laparoscopic sacrocolpopexy may improve sexual function but did not change significantly the sexuality score. **Funding:** No funding. **Keywords:** prolapse, sacrocolpopexy, laparoscopy, sexuality.

Hosted file

Sexual activity BERNARD NAJIB V4.docx available at <https://authorea.com/users/471911/articles/563116-impact-of-laparoscopic-sacrocolpopexy-lsc-on-sexual-activity-and-function-in-women-with-advanced-stages-of-pelvic-organ-prolapse-pop-a-5-year-prospective-study>

Hosted file

Results.docx available at <https://authorea.com/users/471911/articles/563116-impact-of-laparoscopic-sacrocolpopexy-lsc-on-sexual-activity-and-function-in-women-with-advanced-stages-of-pelvic-organ-prolapse-pop-a-5-year-prospective-study>