

Inguinal hernia

EHS202500474 - Minimally invasive approach for inguinoscrotal hernia repair. A systematic literature review

Livia BRESSAN⁽¹⁾, Andrea Balla⁽²⁾, Alberto Sartori⁽¹⁾, Monica Ortenzi⁽³⁾, Mauro Podda⁽⁴⁾, Salvador Morales-Conde⁽²⁾

- Department of General Surgery, Ospedale Di Montebelluna, Montebelluna, Treviso, Italy
- Department of General and Digestive Surgery, University Hospital Virgen Macarena, University of Sevilla, Sevilla, Spain Department of General Surgery, Universita Politecnica delle Marche, Ancona, Italy
- 3.
- Department of Surgical Science, University of Cagliari, Cagliari, Italy

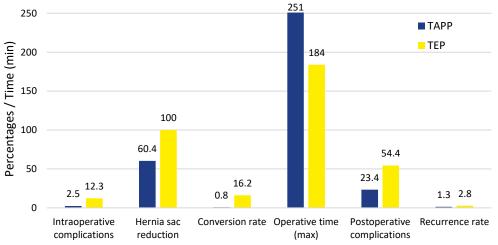
INTRODUCTION

Inquinoscrotal hernias (ISHs) are rare (<2% of all hernia repairs), complex hernia. While open surgery is standard, MIS approaches such as TAPP and TEP are gaining attention: they showed advantages in terms of postoperative pain and need for analgesics, incidence of wound infection, and return to daily activities.

MATERIALS AND METHODS

- PROSPERO-registered (CRD-42023493129)
- Search in MEDLINE, Embase and Web of Science database
- PRISMA guidelines followed
- Inclusion/exclusion criteria were applied
- Articles evaluated by two reviewers and disagreements resolved by third reviewer
- ROBINS-I and RoB 2.0 for risk of bias assessment

RESULTS 17 studies, 1052 patients (824 TAPP, 228 TEP)



DISCUSSION

- 1. MIS approach feasible and safe
- 2. TAPP: lower incidence of intraoperative complications, conversion rate, postoperative complications and recurrence rate
- 3. TEP: more technically demanding
- MIS approach for ISHs repair could be a complex procedure: open approach still plays a central role for non-expert surgeons

The major weaknesses of the study are (i) the poor quality of the included articles, (ii) missing data, (iii) impossibility of performing a meta-analysis for the comparison with the open approach.

The present systematic review reports the current evidence about this topic and can be the starting point for future studies.

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