## 47<sup>a</sup> ANNUAL INTERNATIONAL CONGRESS 2025 JUNE 4-6 PARIS - FRANCE

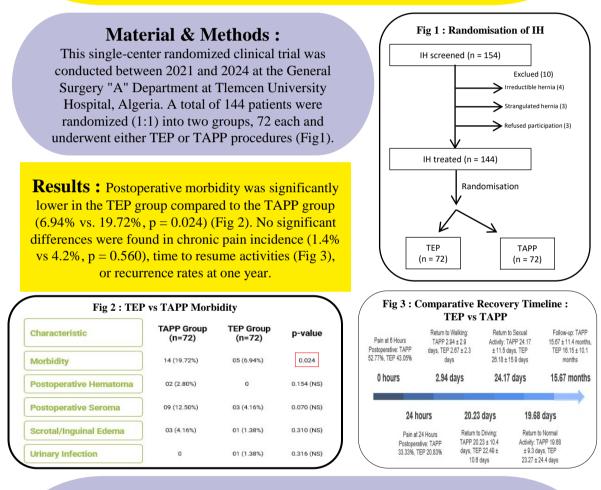
## THEME Inguinal hernia

## Reduced Postoperative Morbidity with TEP vs. TAPP: Results from a Randomized Trial in Laparoscopic Inguinal Hernia Repair





**Introduction :** Inguinal Hernia (IH) is a common condition that requires surgical intervention. Laparoscopic techniques, including Totally ExtraPeritoneal (TEP) and TransAbdominal PrePeritoneal (TAPP) repair, have benefits such as quicker recovery and reduced postoperative pain. However, comparative studies between these approaches remain limited and yield conflicting results. This study aimed to compare postoperative morbidity between TAPP and TEP techniques.



**Discussion :** Our study confirms findings from recent randomized trials and metaanalyses (Cochrane 2024, Hernia Club Registry), showing no significant difference between TAPP and TEP in terms of recurrence, seroma formation, or major complications. TEP was associated with fewer early complications and a shorter operative time, but also with a steeper learning curve and a higher conversion rate—underlining the importance of surgeon experience and technical proficiency. In our series, recurrence rates were identical for both approaches (2.77%), aligning with international standards.

**Conclusion :** The TEP technique demonstrates a clear advantage in reducing postoperative morbidity, making it a valuable option for minimizing complications. Given the lack of North African data, our study contributes to filling this regional gap. The choice between TAPP and TEP should be individualized, taking into account patient characteristics, surgeon expertise, and resource availability.

Key References : Awad SS, et al. The American Journal of Surgery. 2004. Simons MP, et al. Hernia. 2018. Hurel R, et al. Hernia. 2023. Aiolfi A, et al. Annals of surgery.2021. Andresen K, et al. Cochrane Database of Systematic Reviews. 2024.