# Implementation of Robotic eTEP (Extended Totally Extraperitoneal Hernia Repair) for Incisional and Primary Ventral Hernias

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WEIME PRIMERSKEINGSSOL GÖRDORESS

|\$ 20245 2011 4-6 2020 - 724025

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## Material and Methods

 The eTEP technique is preferably used in our practice for the repair of incisional and primary ventral hernias

•Between October 1, 2021 and May 2, 2025, we performed 311 eTEP procedures •Our first robotic eTEP was conducted on September 4, 2024 •Since then, 32 patients have undergone robotic eTEP repair



## Results

•Patient demographics (n = 32):

- •• Mean age: 61.2 years (range: 34-86)
- •• 14 females and 18 males
- •• Mean BMI: 32.0 kg/m² (range: 24.2-42.1)

### Hernia characteristics:

Mean horizontal diameter: 6.3 cm (range: 2.0–23.5 cm)
Mean hernia defect area: 58.5 cm<sup>2</sup> (range: 58.5 cm<sup>2</sup>)

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### Operative parameters:

Mean operative time: 111 minutes (range: 59–364)
Mean mesh surface area: 634.8 cm<sup>2</sup> (range: 225–1575 cm<sup>2</sup>)

### Postoperative outcomes:

- No complications
- •• No recurrences reported to date





#### Conclusions

•Robotic extended totally extraperitoneal hernia repair is a **safe and feasible** technique for treating incisional and primary ventral hernias

•It may facilitate the repair of **larger or more complex hernias** and could offer advantages over conventional endoscopic techniques

•Further evaluation is warranted



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