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Inguinal Hernia

# Recent Trends and Factors Driving Minimally Invasive Inguinal Hernia Repair

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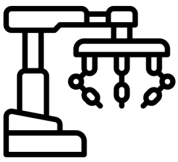
## Aims



Current evidence supports **minimally invasive approach** (MIS) to inguinal hernia repair

We evaluated **trends** in MIS approach and whether use of the **robotic platform** was associated with MIS approach

## Methods

Retrospective analysis of 26,833 patients undergoing elective inguinal hernia repair from 2020-2024 in a clinical registry

Descriptive analysis of trends in approach over time

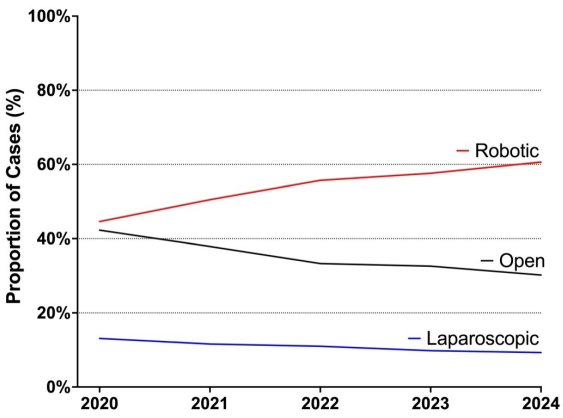
Multivariable logistic regression of factors associated with MIS approach, with use of robotics as variable of interest

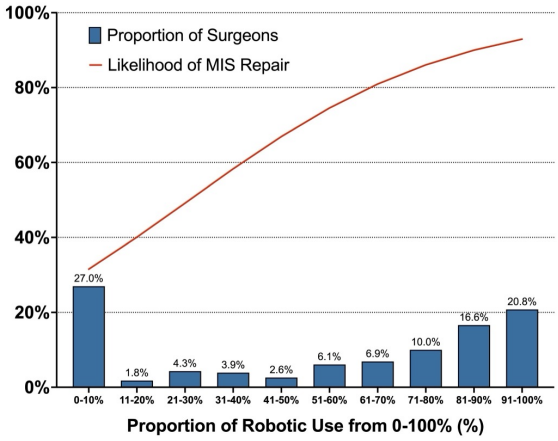
## Results

MIS approach **increased** from 58.4% to 69.7%

This was driven by increase in the **robotic approach**

Among surgeons, increased use of the robotic platform was associated with **higher likelihood** of MIS hernia repair




## Conclusions

The increase in MIS inguinal hernia repair is primarily driven by adoption of the **robotic platform**

Surgeons who use the robotic platform more frequently were **more likely** to perform MIS inguinal hernia repair

Increasing access to robotic surgery may increase this **evidence-based approach** to inguinal hernia repair