



VIII CONGRESO CHILENO DE
**CIRUGÍA BARIÁTRICA
Y METABÓLICA**



Gastrectomía en Manga con Asistencia Robótica. Experiencia Hospital Luis Tisné

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Universidad de Chile

Making the Surgeon Better



Levita[®]
MAGNETICS

MARS™ (Magnetic-Assisted Robotic Surgery)



MAGNET
Less ports, pain &
full visualization

Dynamic, magnetic retraction significantly improves patient outcomes while expanding visualization of the surgical field.



ROBOTICS
Independence &
efficiency

Novel robotic platform enables better, faster procedures performed independently.

Proprietary
Magnetic
Technology to
Reduce Incisions



2 Robotic Arms
with 7 degrees of
freedom



Robotic
Ultra Stable
Camera

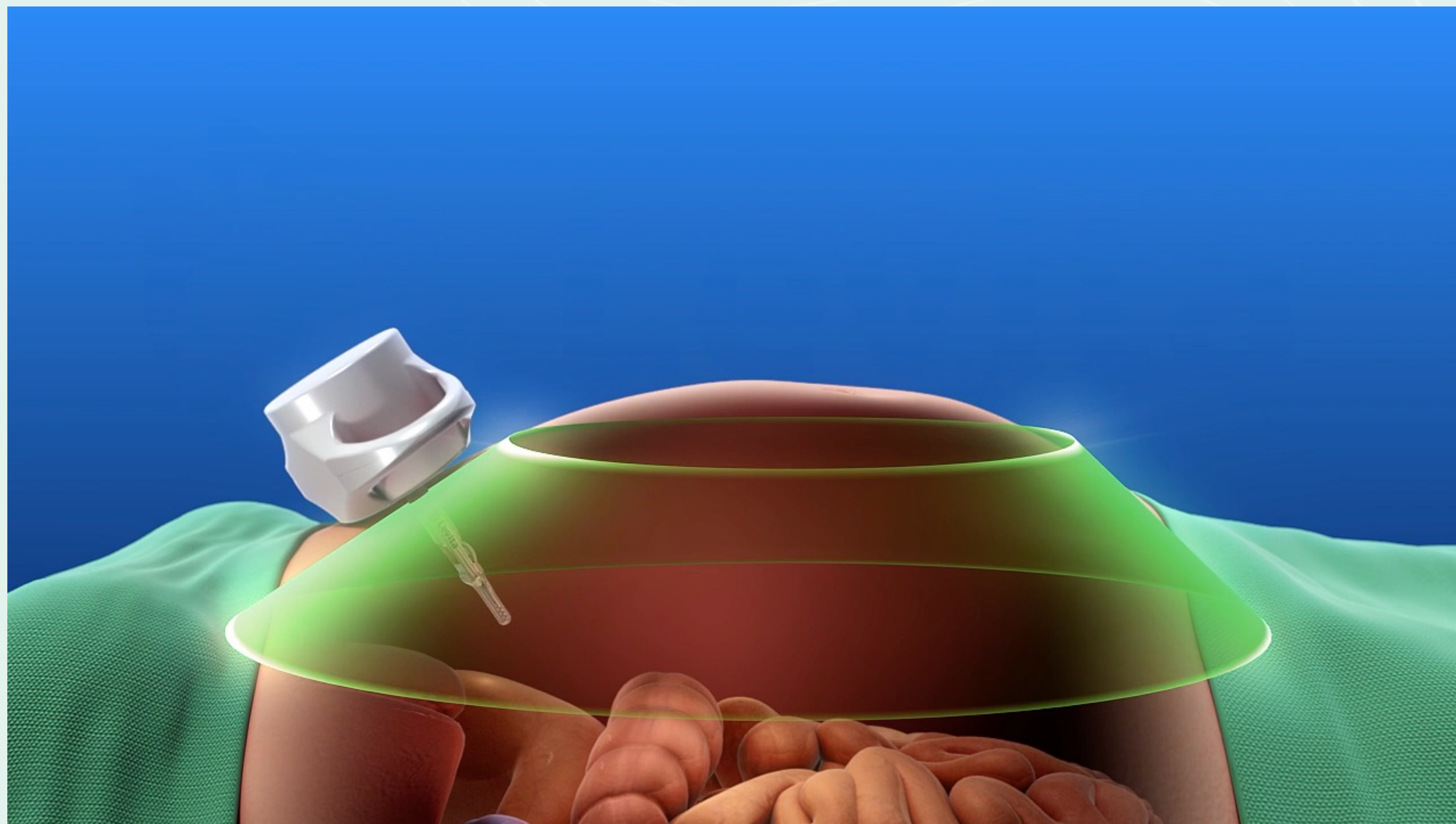
Surgeon Foot
Controller for
Both Robotic
Arms



Foot-Print
for Maximum
Stability

Posicionamiento magnético dinámico

Creación de fuerza efectiva a partir de cualquier punto



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**Surgeon Foot
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**Small Foot-Print
Carts for Maximum
Usability**



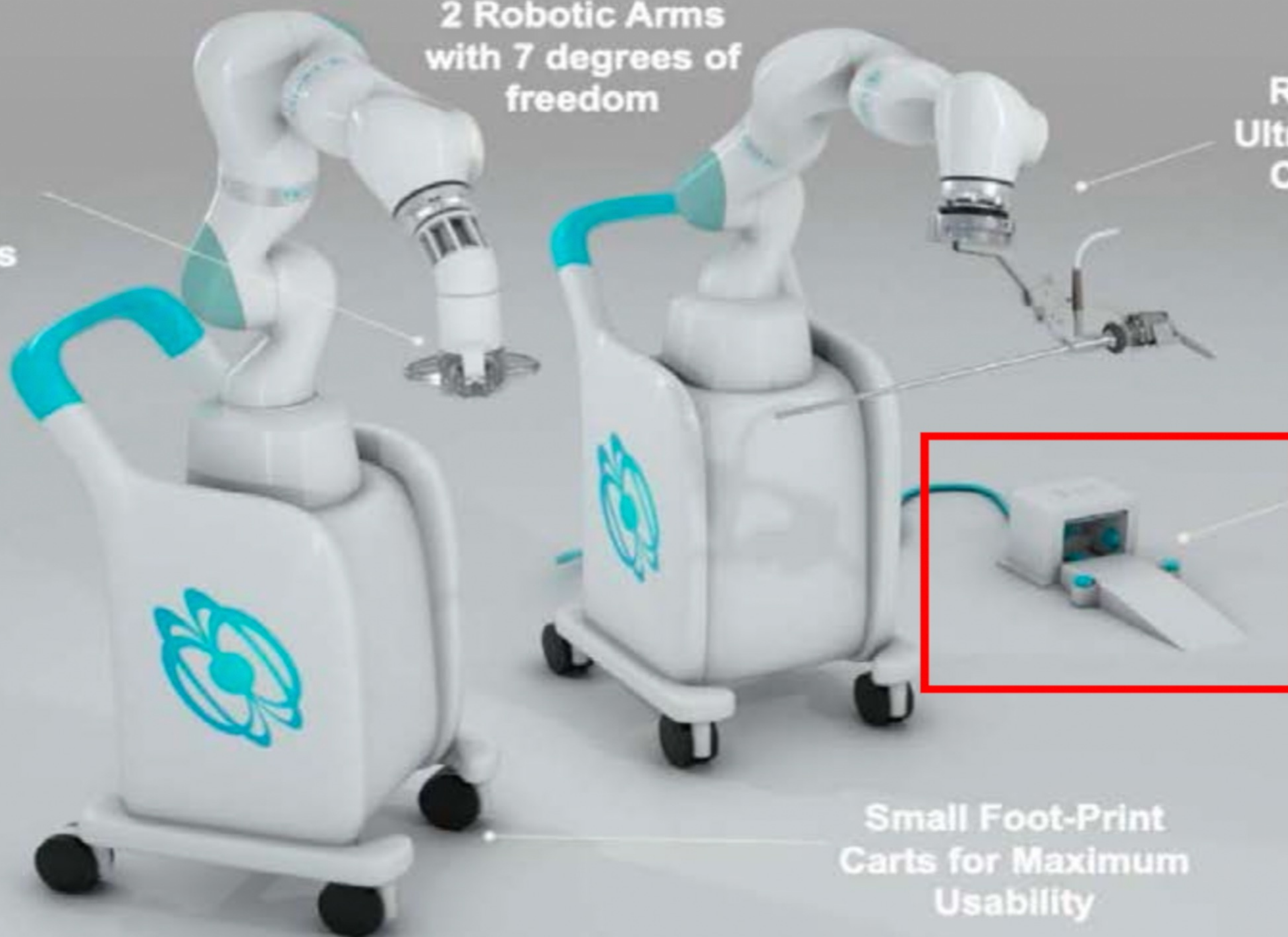
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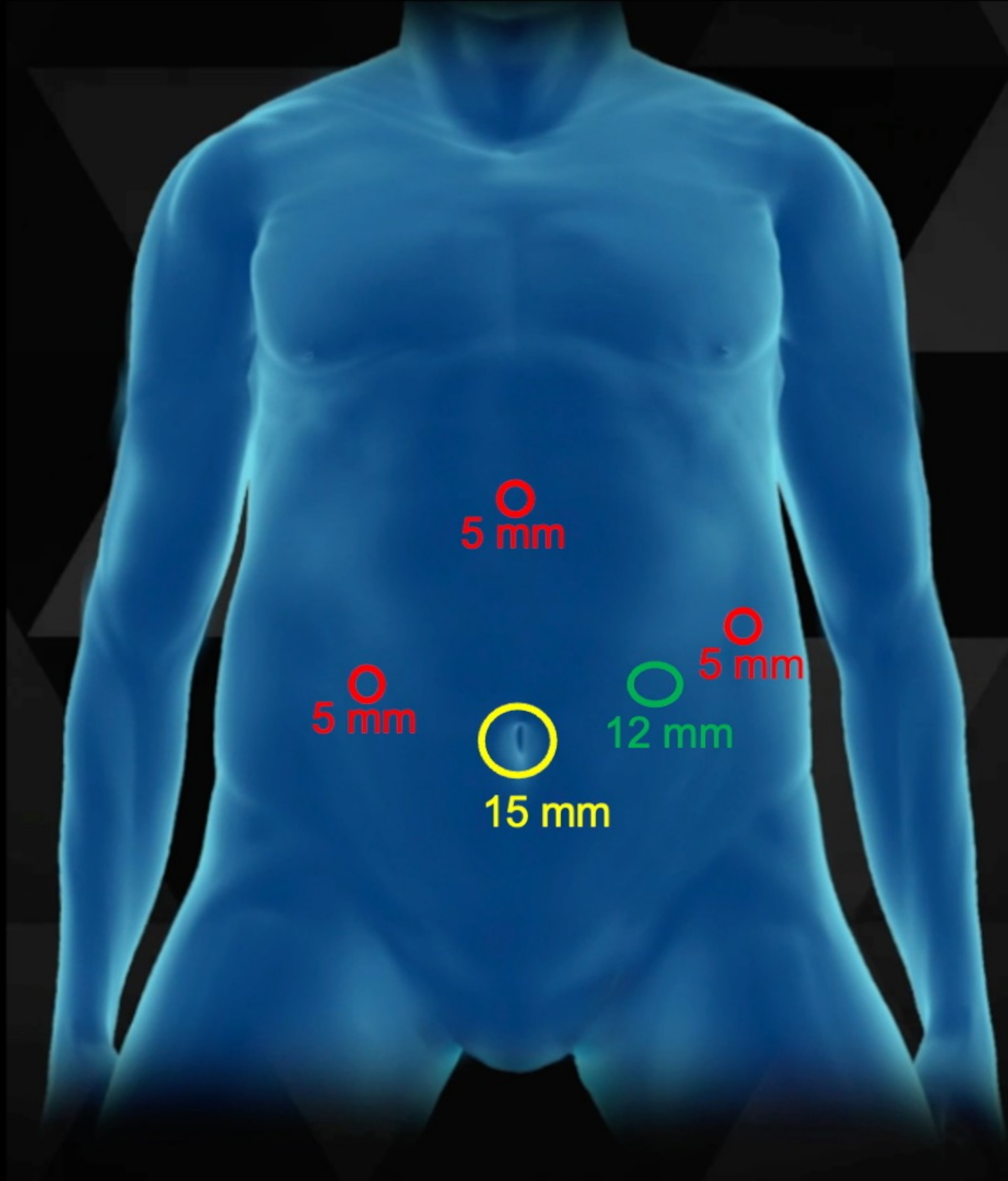
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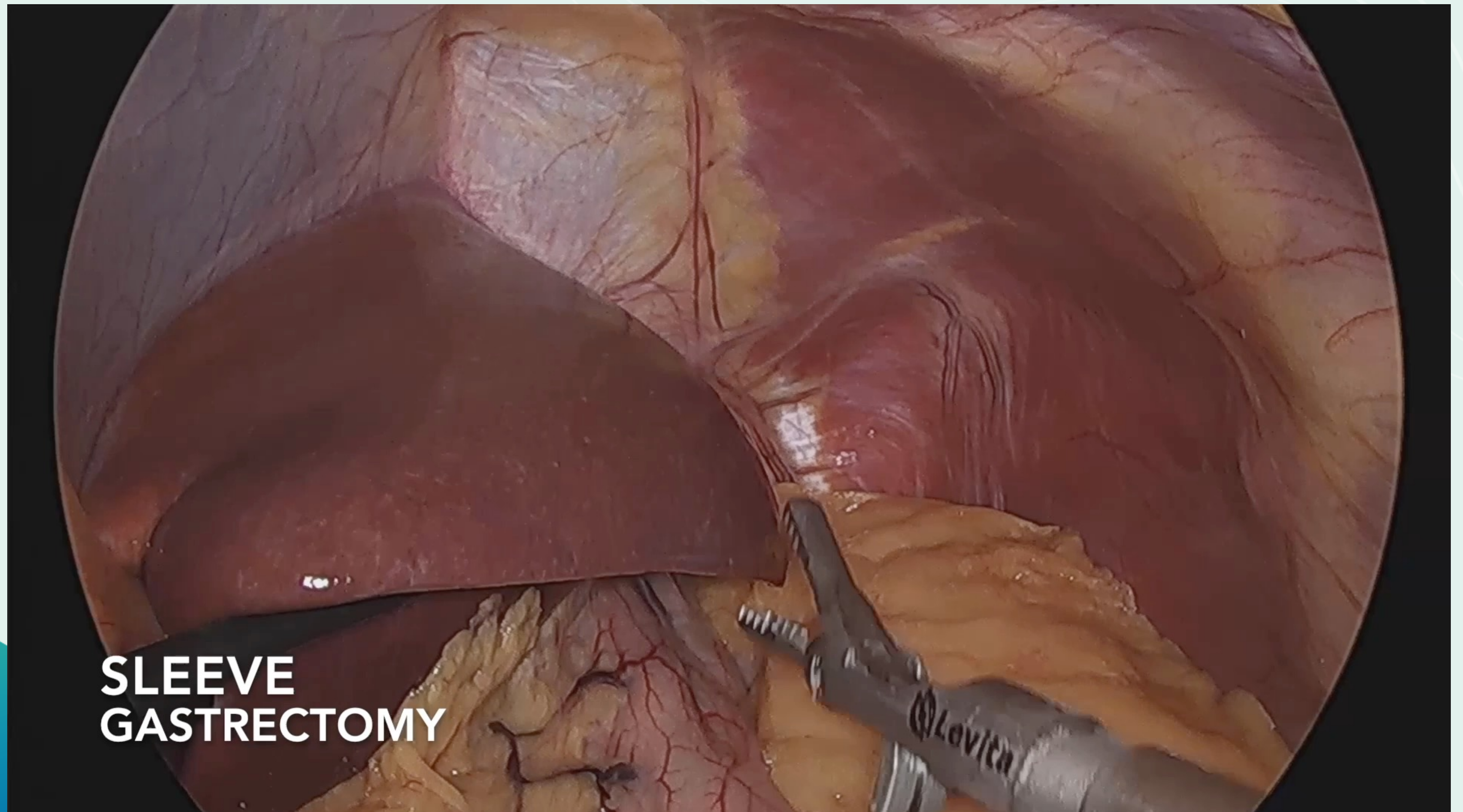
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Gastrectomía en manga

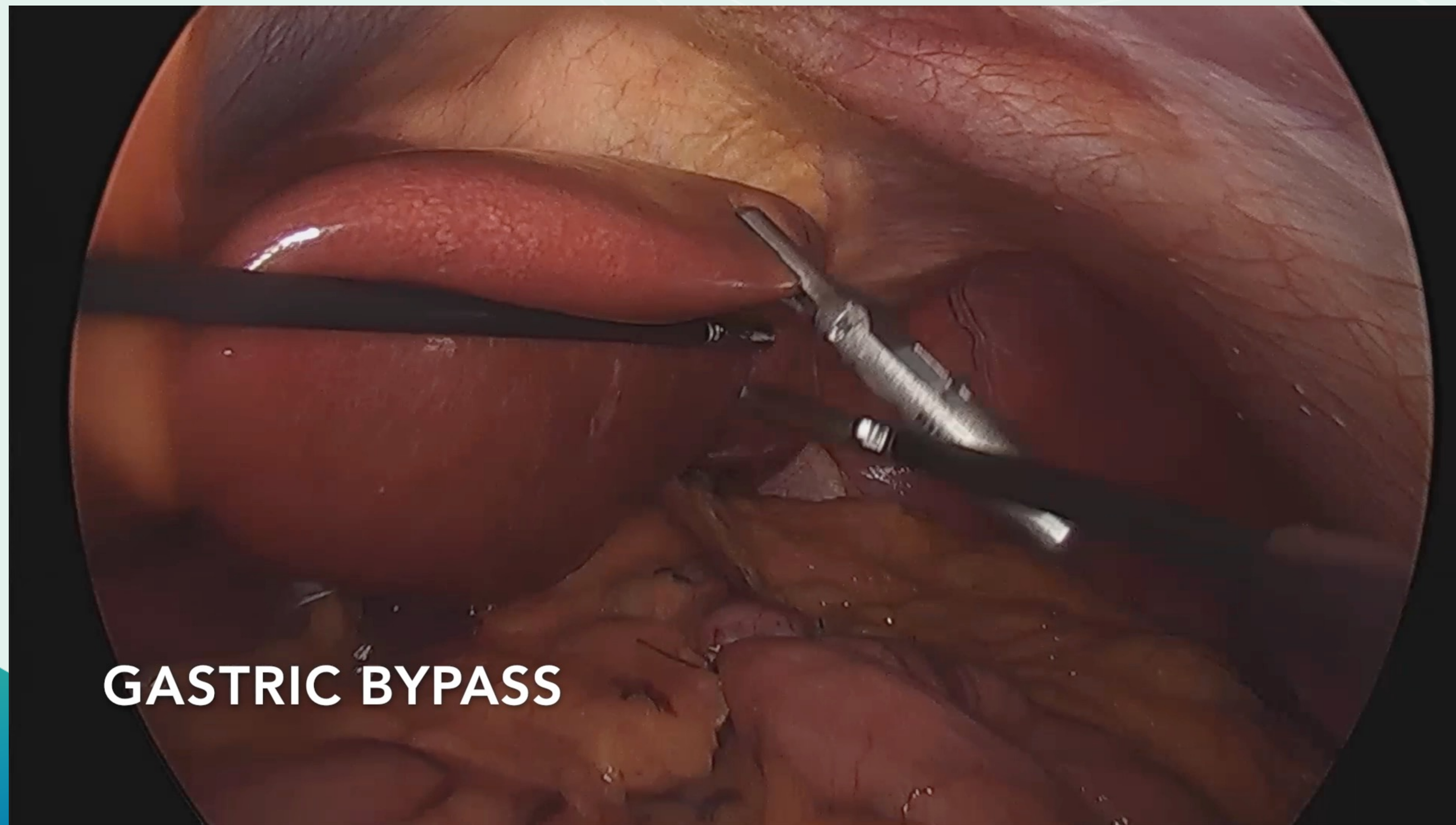


**SLEEVE
GASTRECTOMY**

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Bypass gástrico

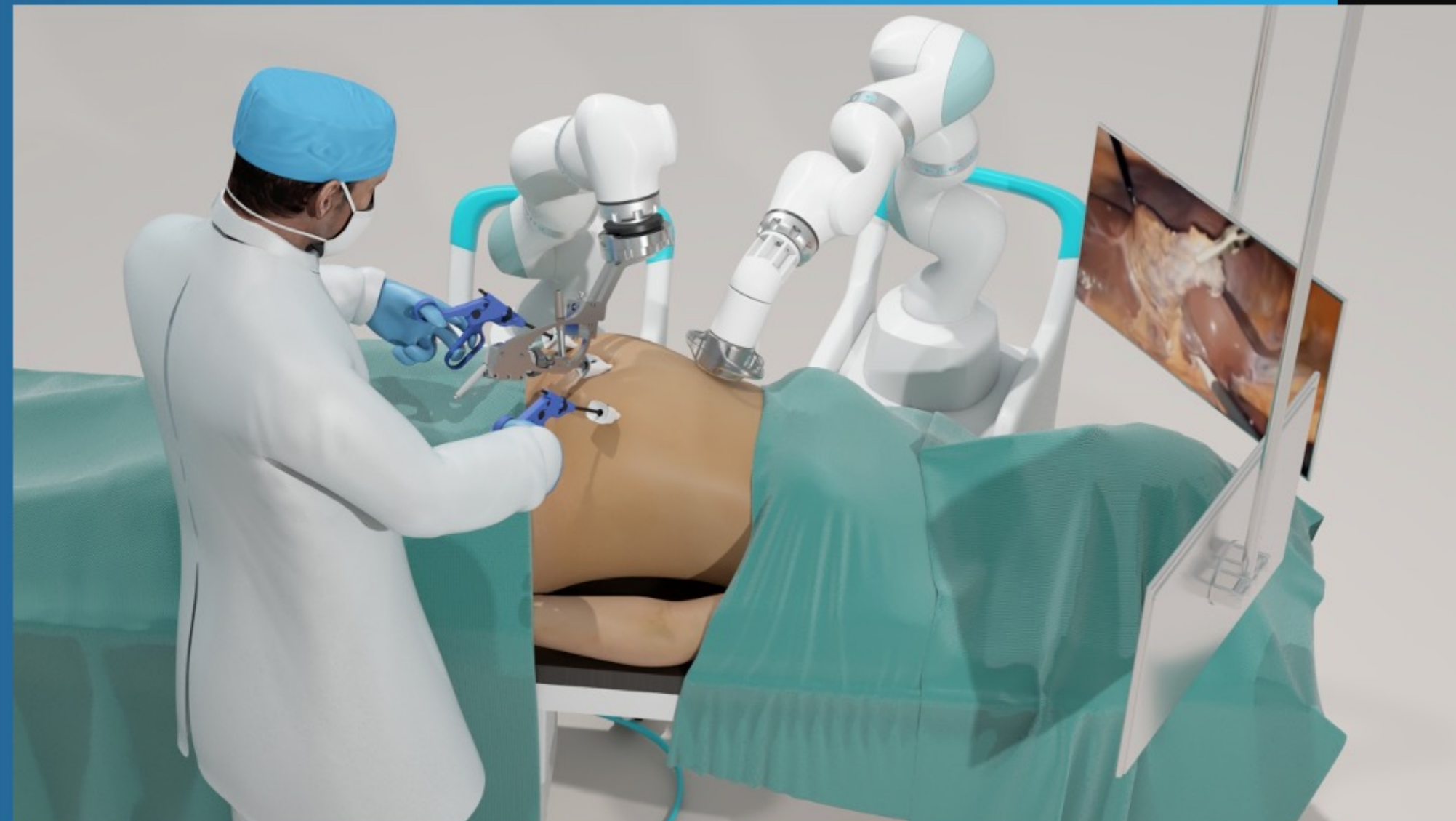


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Ventajas

Advantages of MARS System



Less invasive

1-3 fewer incisions

Console-Free

Surgeon operates next to the patient in the sterile field

Ergonomic

Ease of Adoption

Fast learning curve

Uses standard camera and instruments

Versatile

Agile and Portable

Quick set up

Perfect fit for outpatient/ambulatory surgery

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Beneficios



- Less Pain / Opioids
- Faster Recovery
- Less Scarring

PATIENT BENEFIT



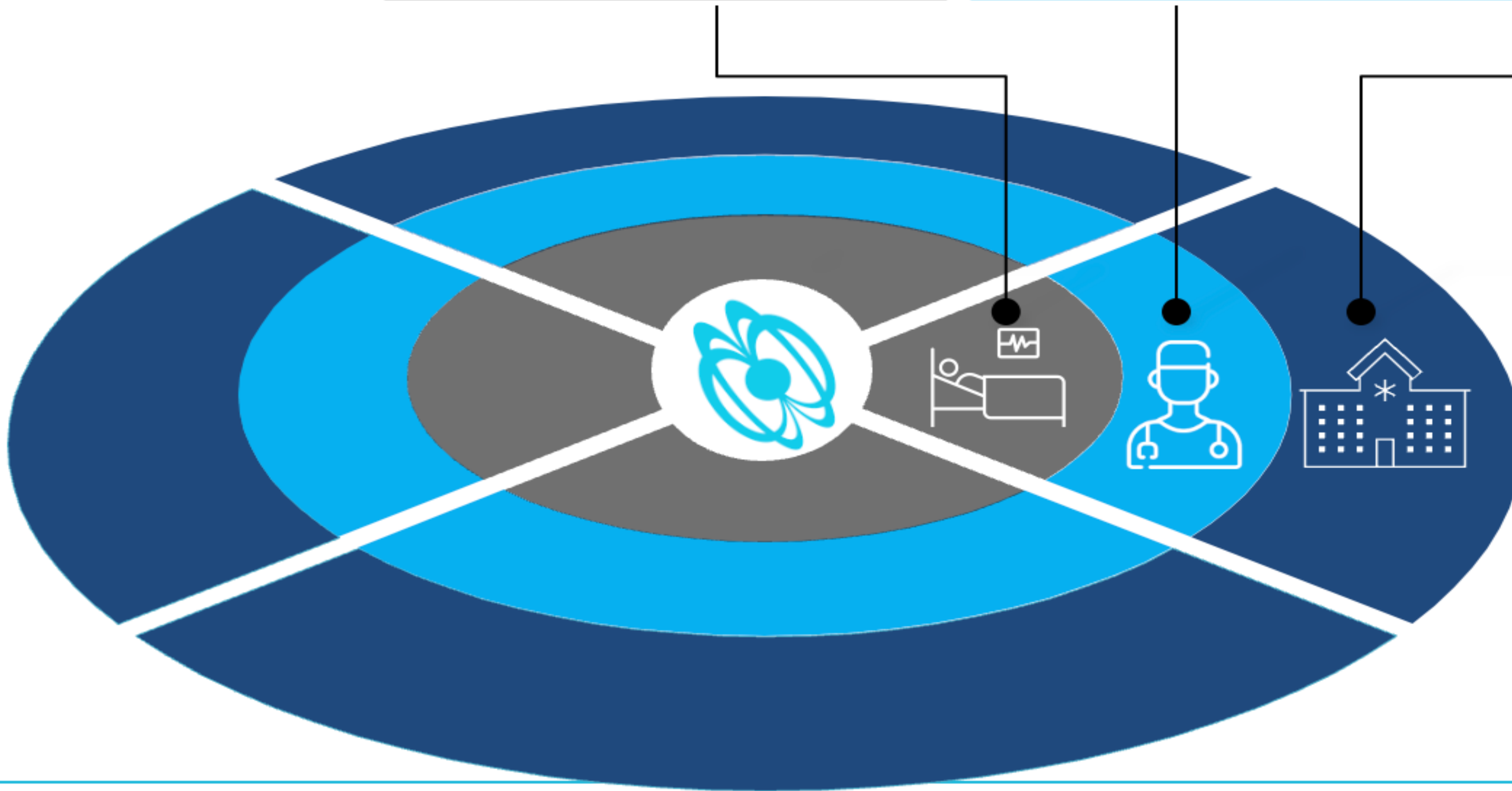
- Better Visualization
- Full Operative Control
- Increased Productivity

SURGEON BENEFIT



- Reduced Use of Labor
- Clear Differentiation for Attracting Patients
- Perfect Fit for Ambulatory Setting (ASC)

SURGERY CENTER BENEFIT

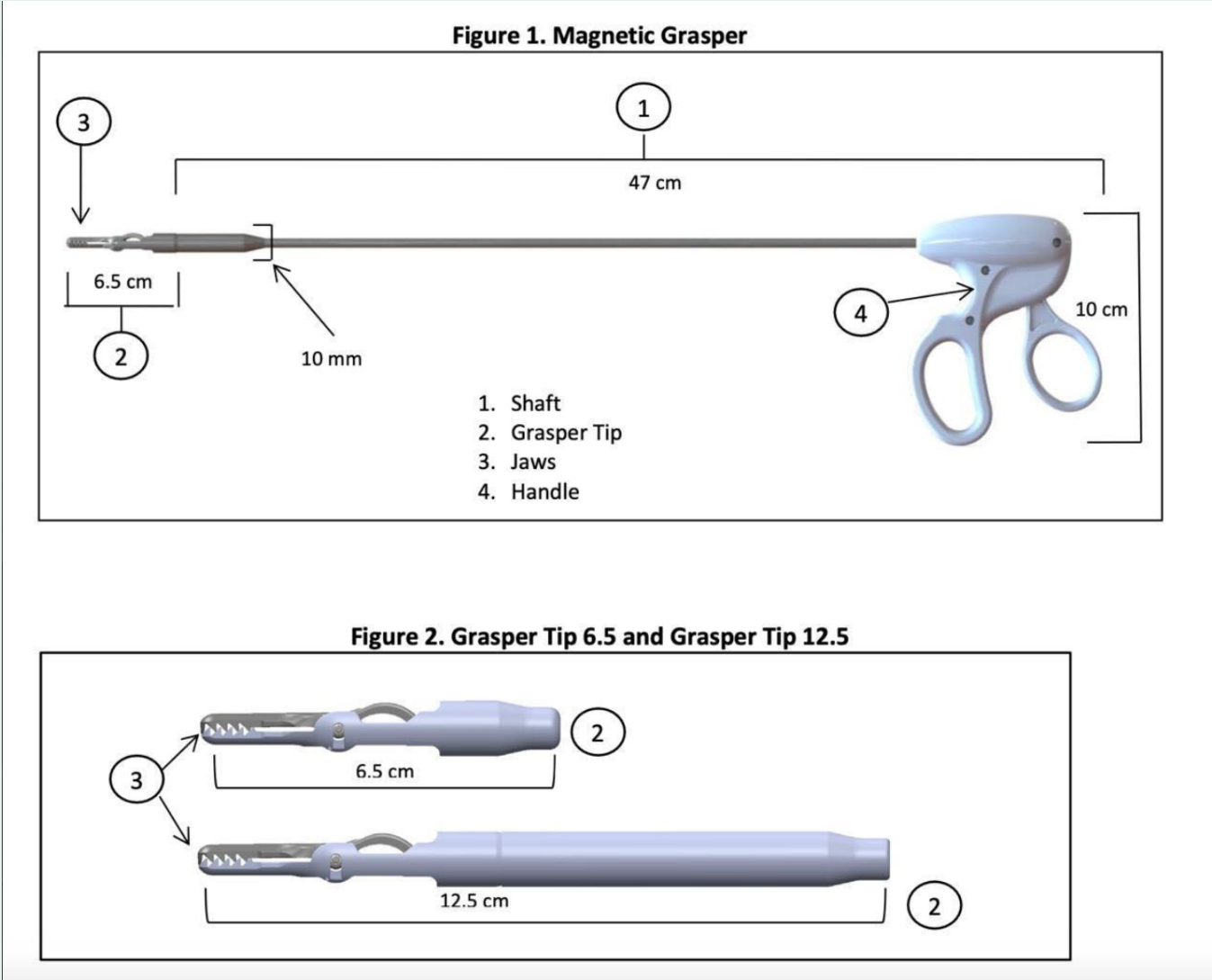
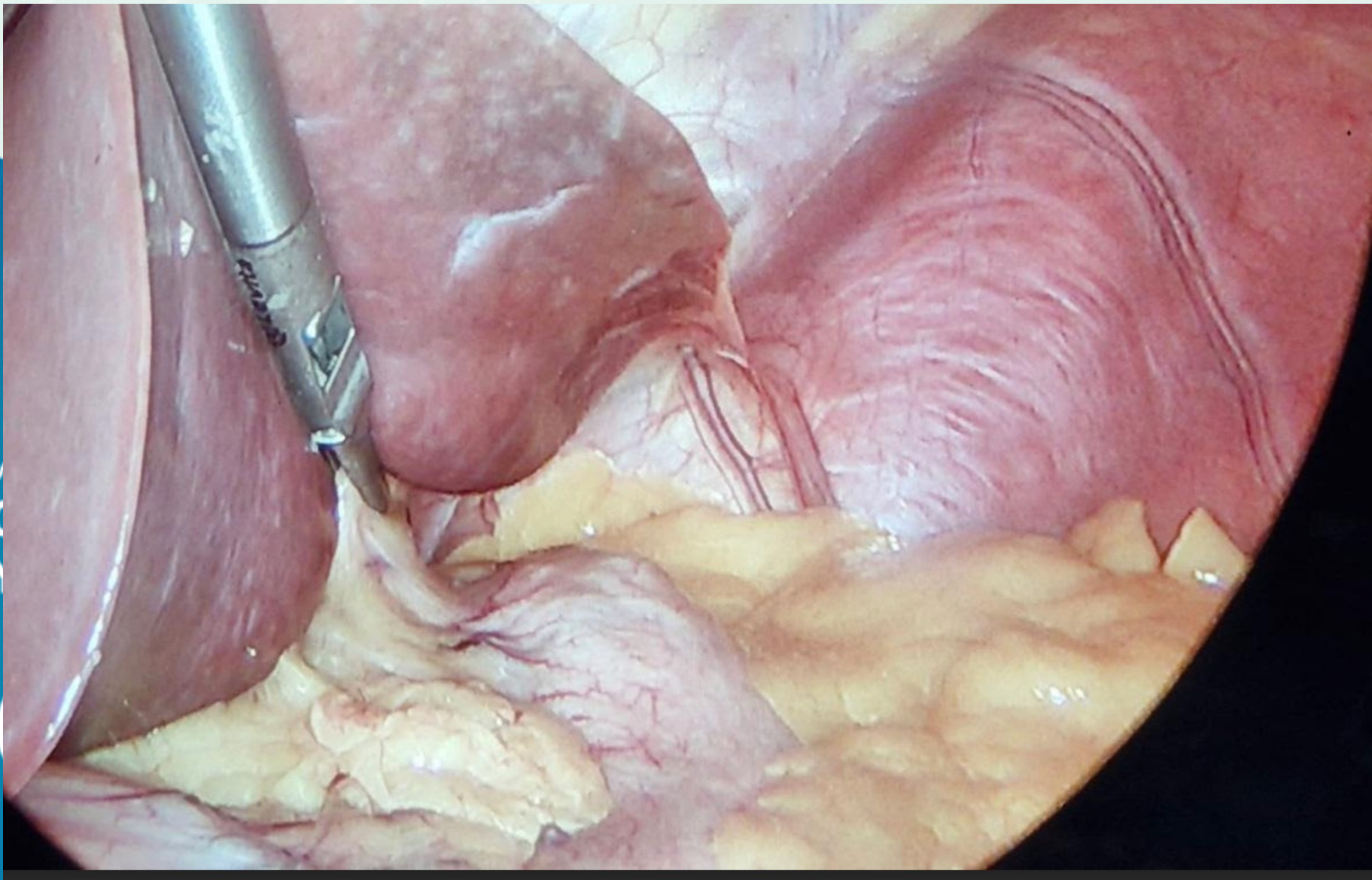
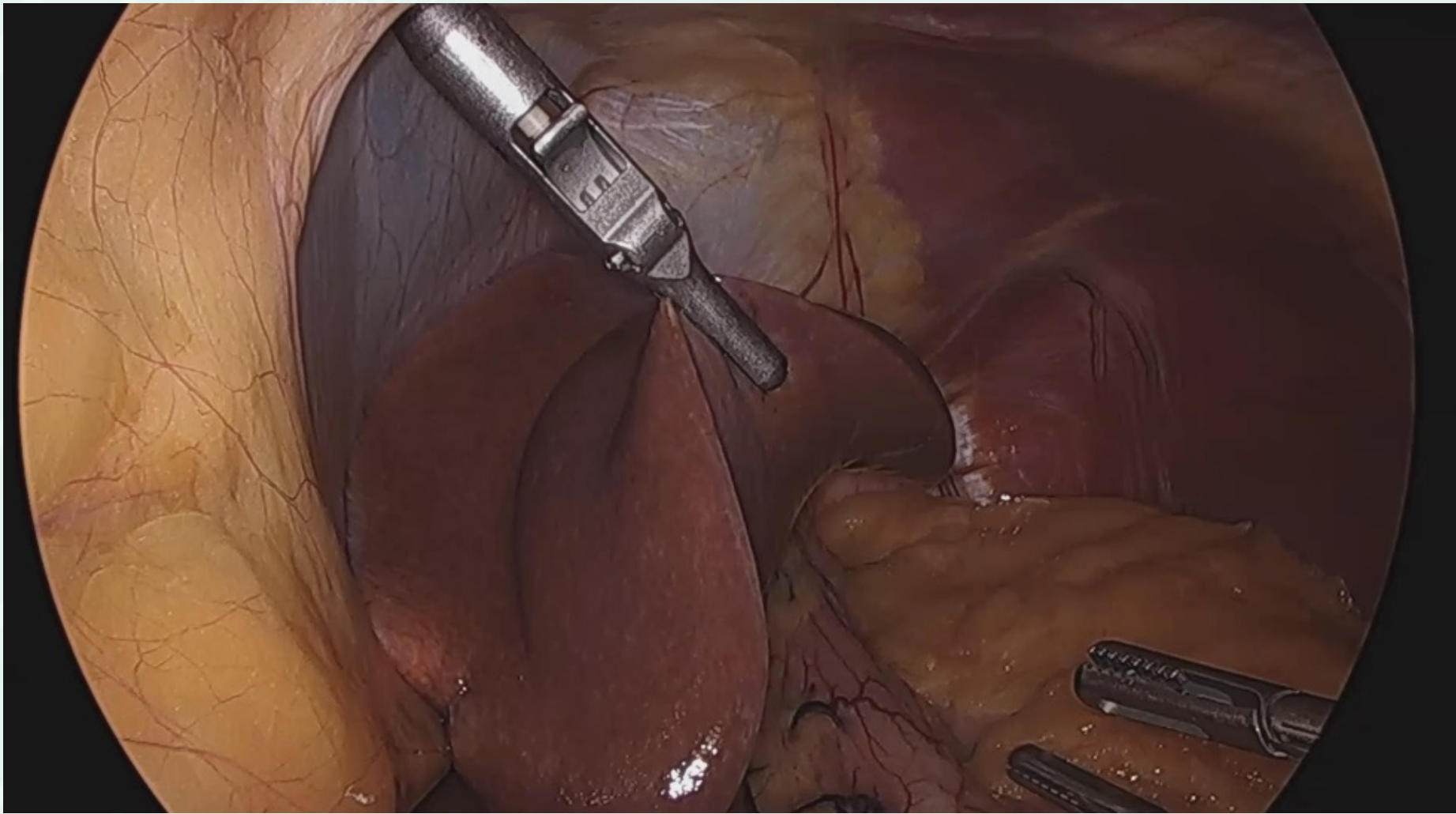


Resultados

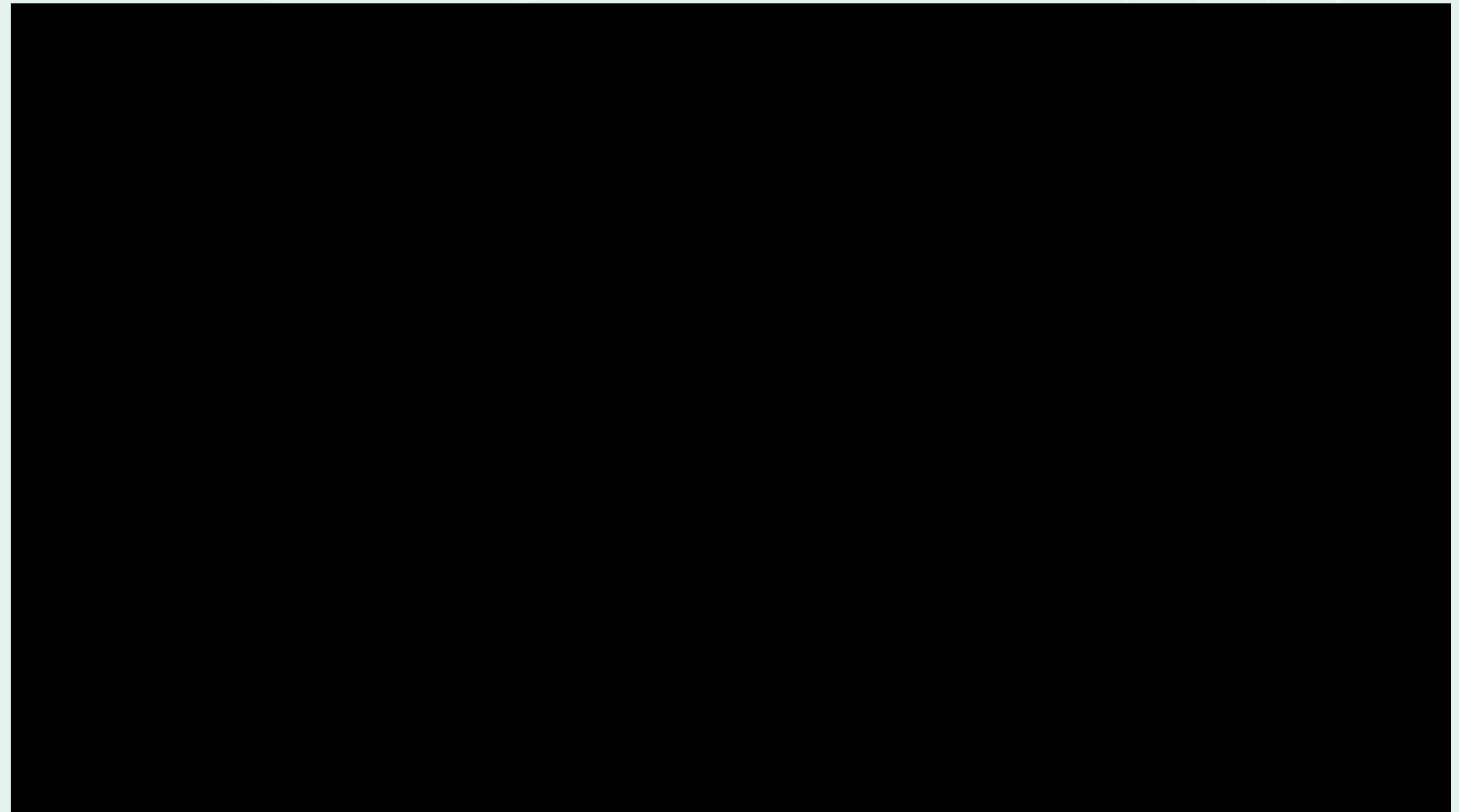
Cirugías

- Colecistectomías
 - **Gastrectomías en manga**
 - **Bypass gástrico**
 - **Cirugía revisional**
 - Hernia hiatal
 - Hemicolectomía derecha
 - Cirugías ginecológicas
- Estancia hospitalaria 0 a 1 día
 - 0,64 % morbilidad
 - 0% mortalidad

Pinza magnética extendida

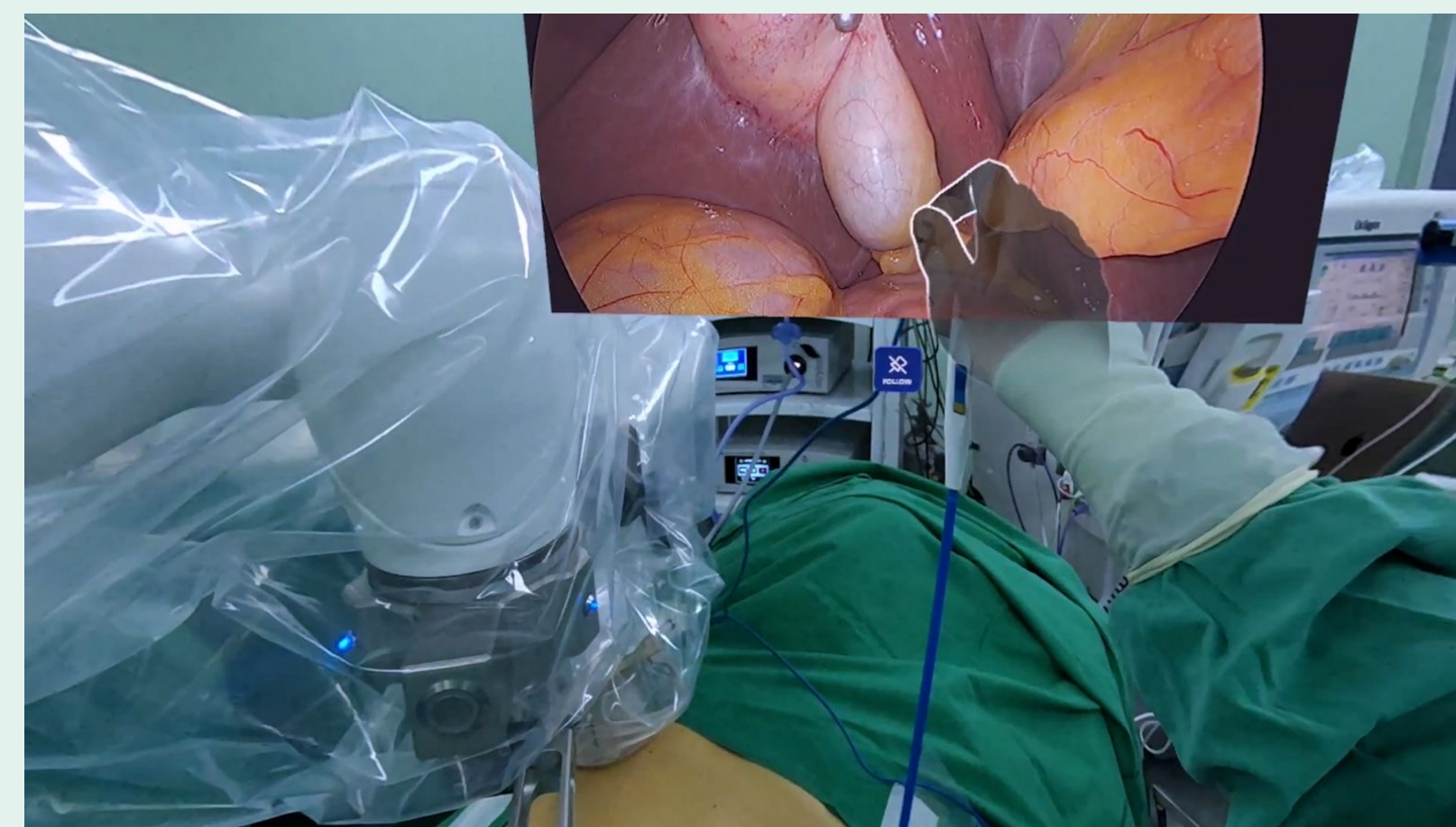
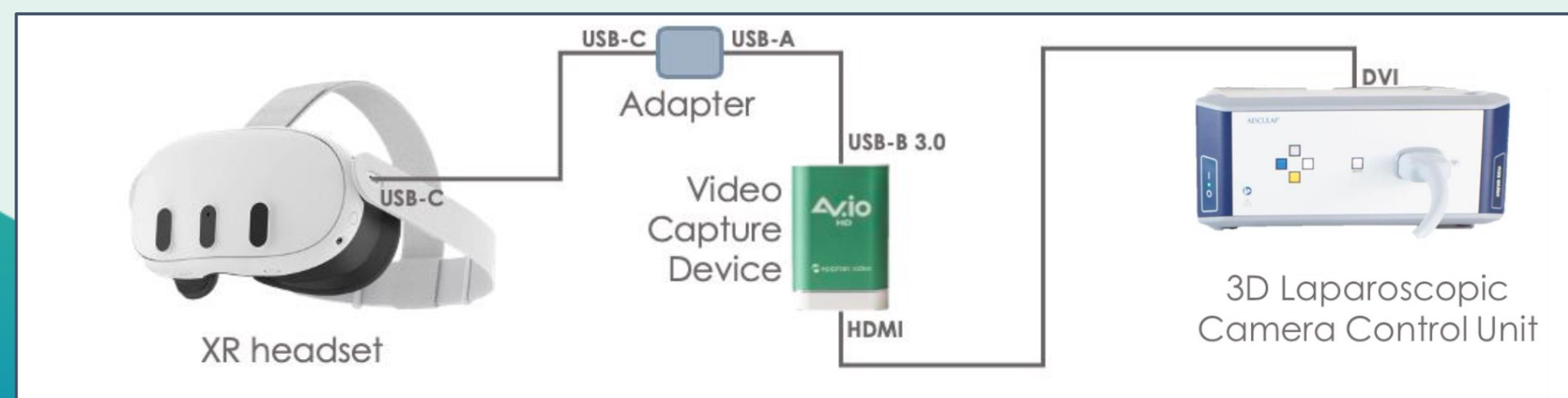
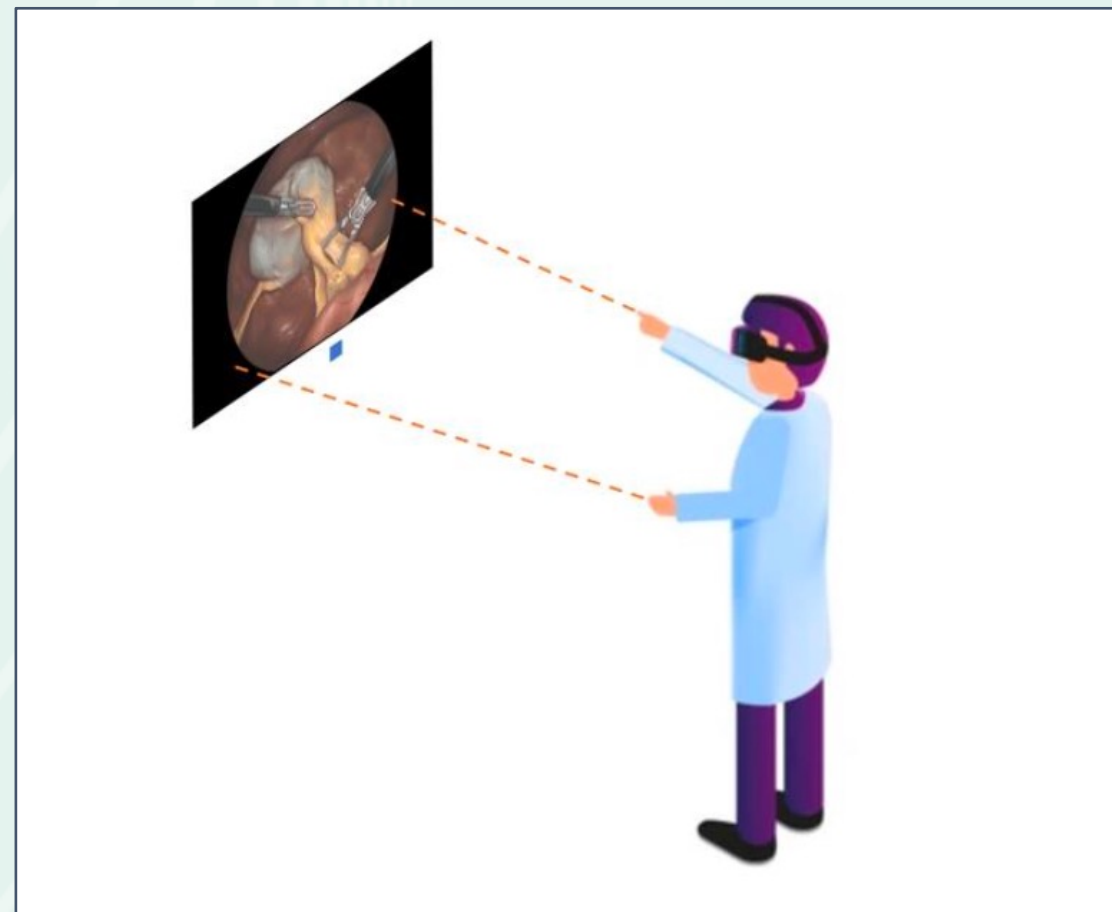


Primera Cirugía con Realidad Aumentada



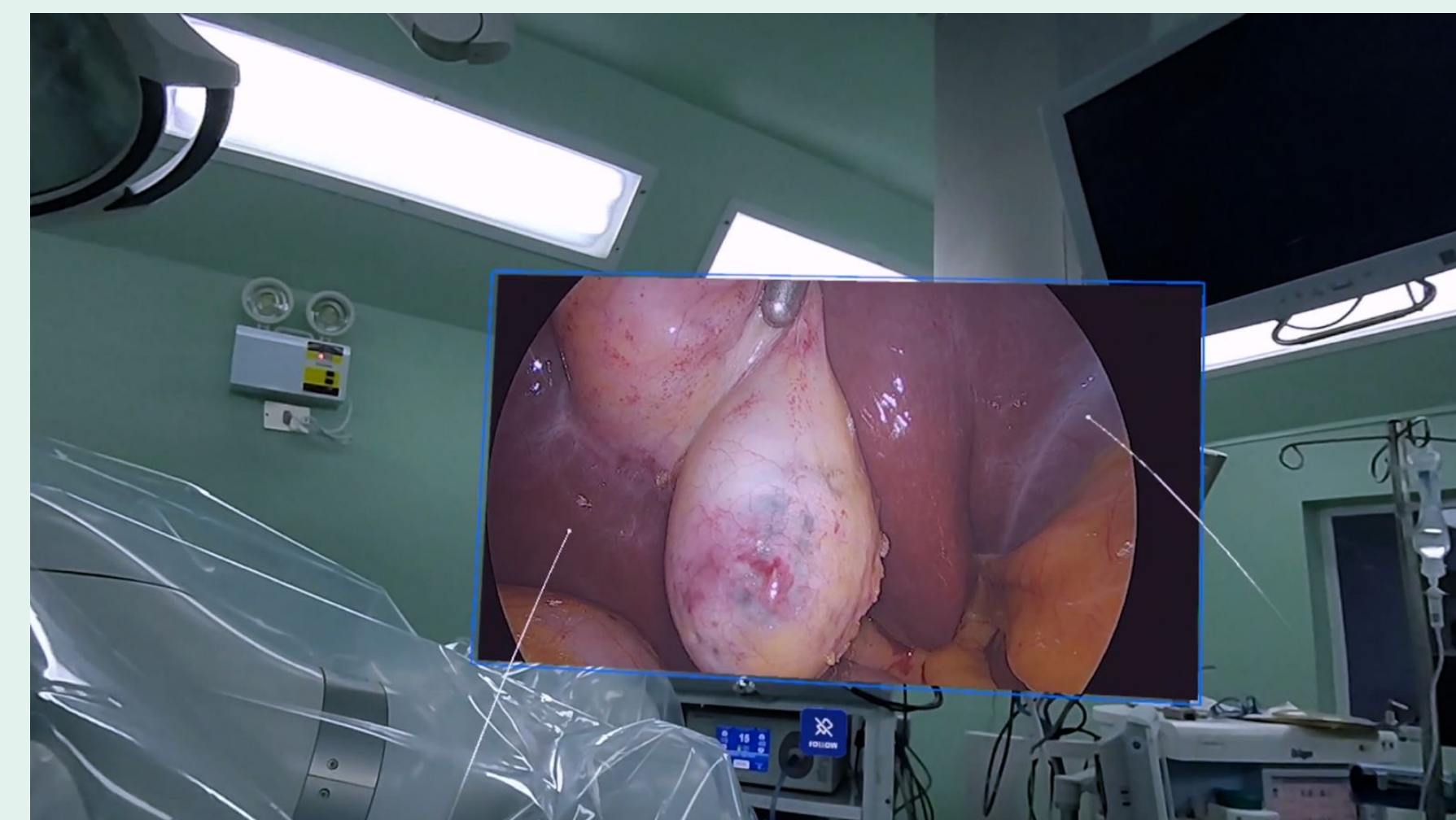
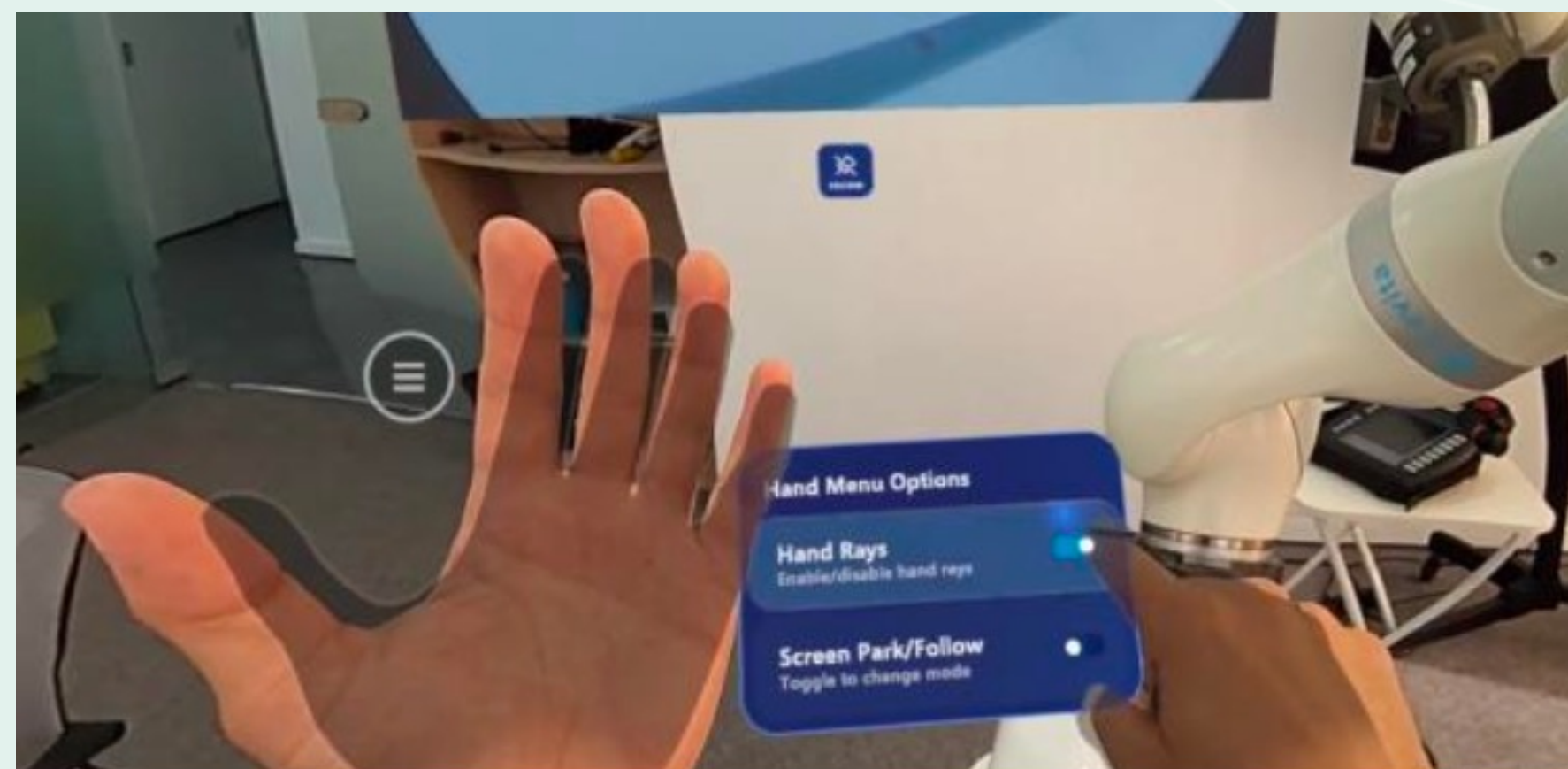
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Descripción del dispositivo



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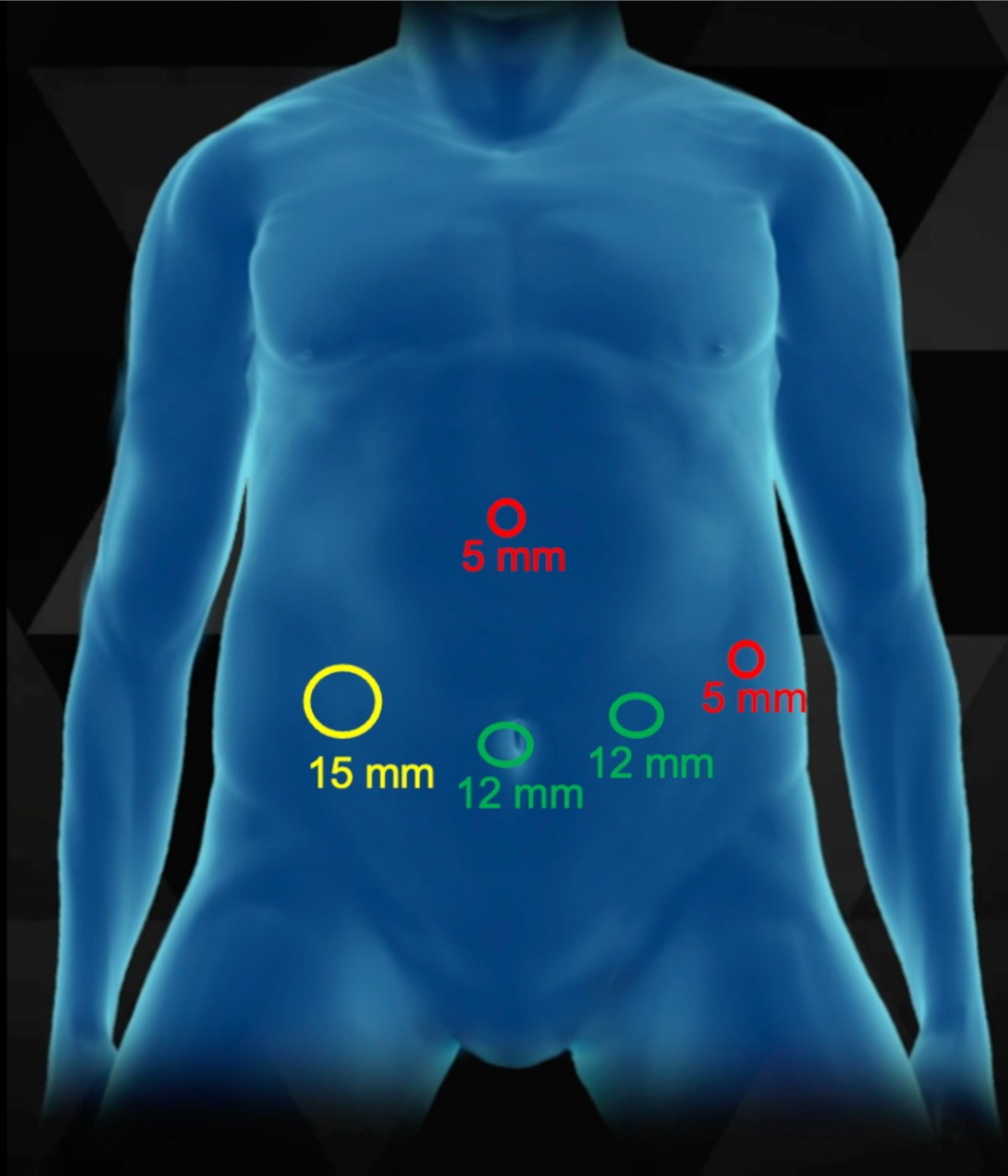
Instrucción de Uso



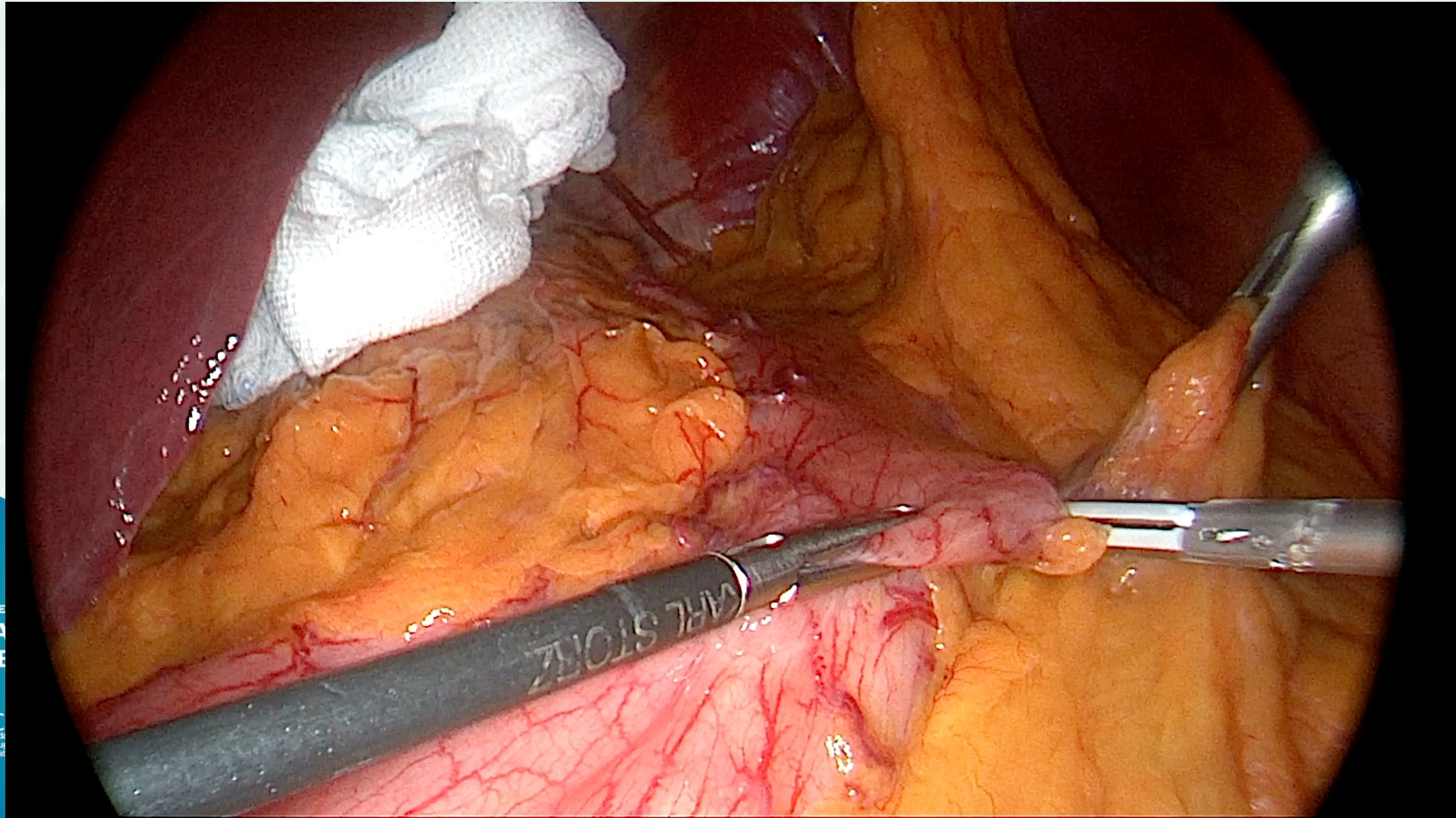
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Gastrectomía en Manga cirujano único



Conclusiones

- Fácil implementación
- Cirugía robótica al lado del paciente
- Menos incisiones
- Recuperación mas rápida
- Mejor visualización
- Incrementa el control y autonomía del cirujano
- Ideal para cirugía ambulatoria