

**Jorge Bravo L.**

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Latin American Robotic Surgery Collaboration

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Ass. Professor of Surgery  
University of Chile

# Robotic Technique

## Gastric Bypass

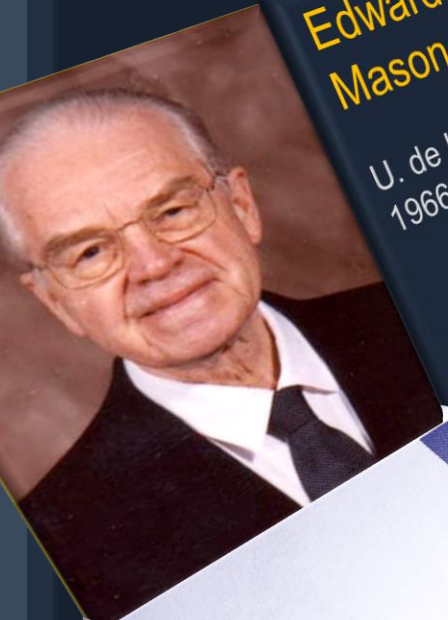


Universidad de Chile



# Advances in Robotic Bariatric Surgery

## Evolution of Gastric Bypass

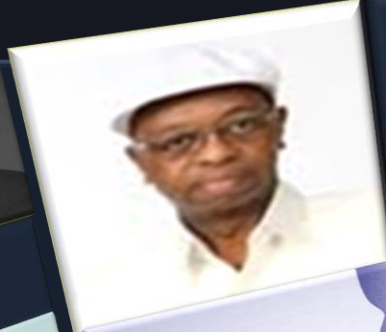
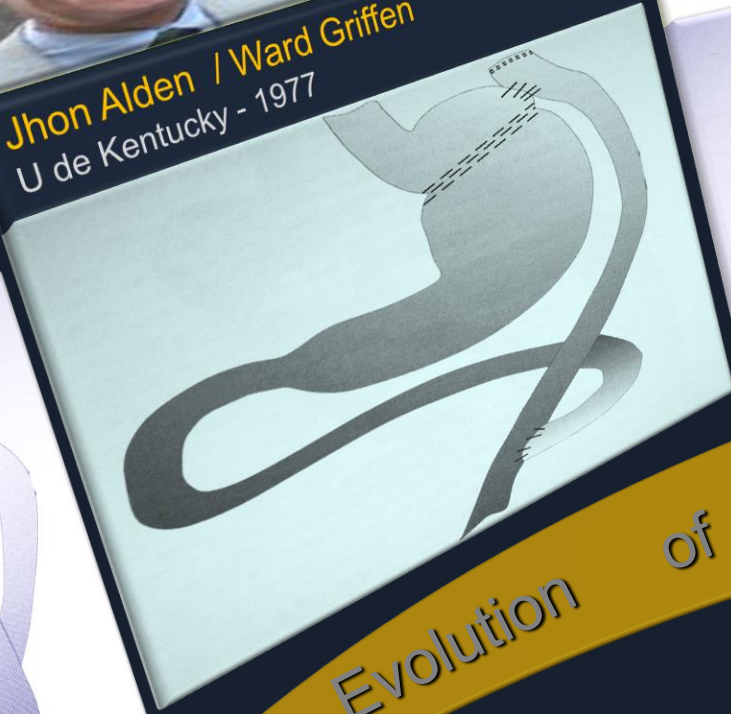


**Edward  
Mason**

U. de Iowa  
1966



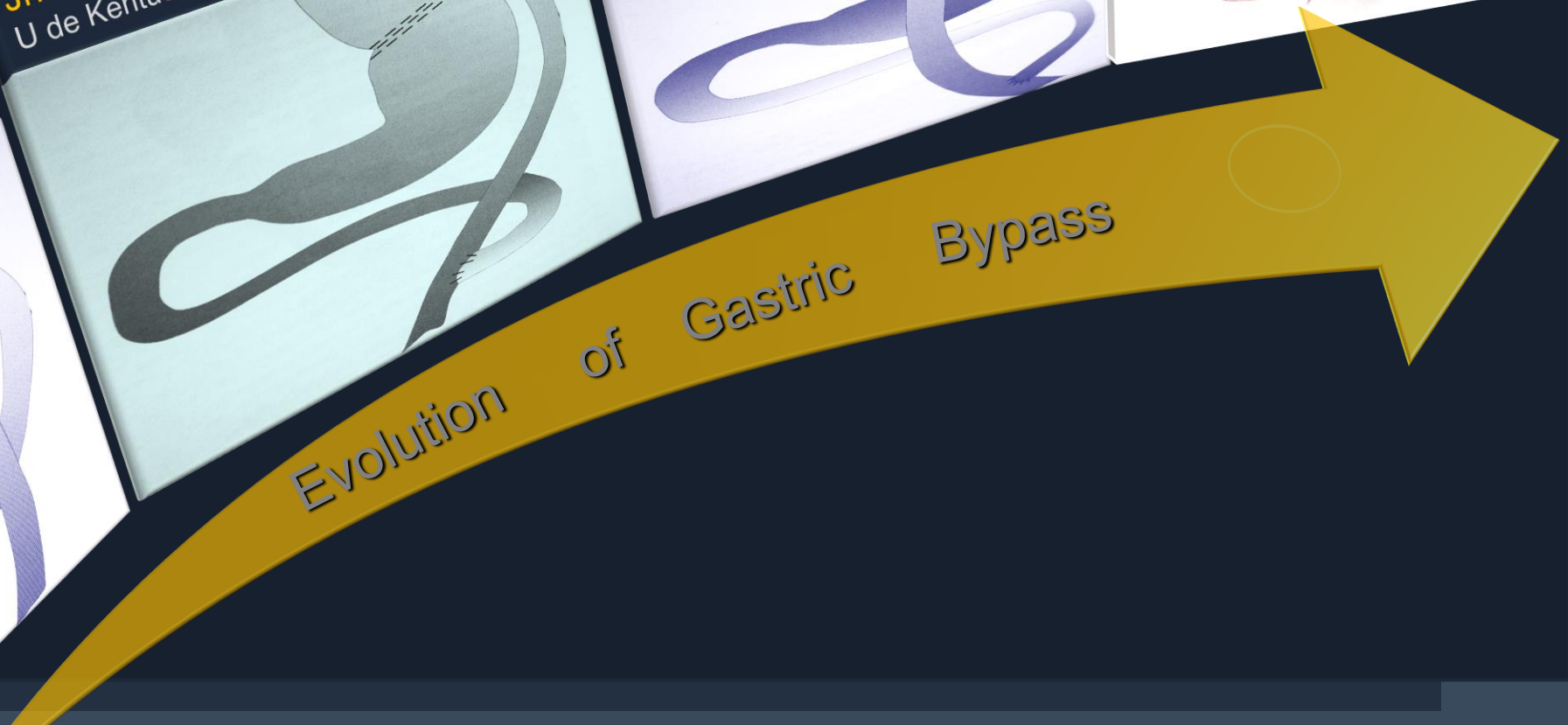
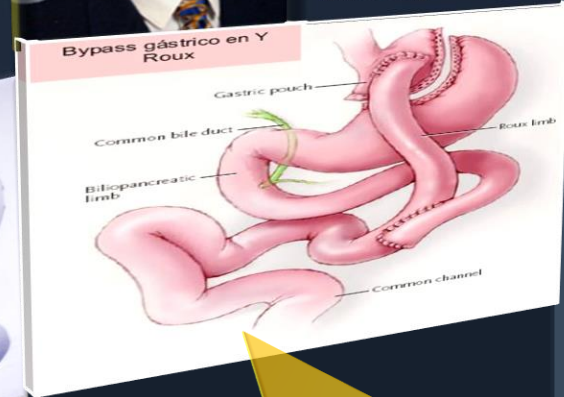
**Jhon Alden / Ward Griffen**  
U de Kentucky - 1977



**Mathias  
Fobi**  
Los Angeles  
1989

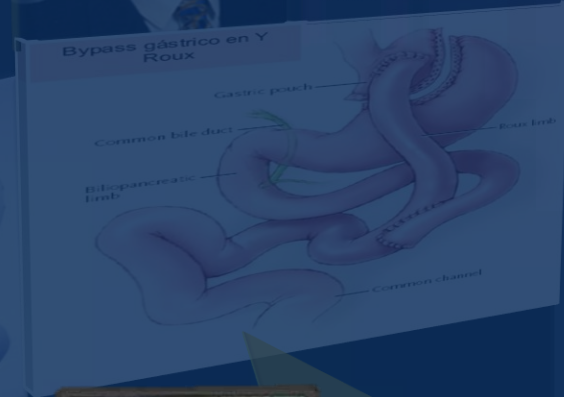
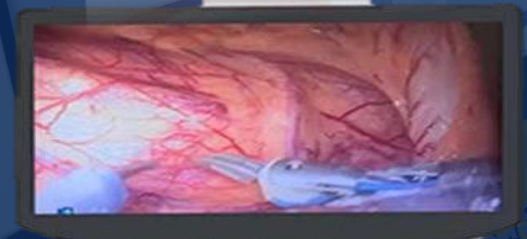


**Alan Wittgrove  
y Clark**  
San Diego 1994



# Advances in Robotic Bariatric Surgery

## Evolution of Gastric Bypass



Mathias Fobi  
Los Angeles  
1989

Alan Wittgrove y Clark  
San Diego 1994

Edward  
M...

Edward Griffen

Evolution



Multi - arm  
(daVinci like)

Multi - modular  
(Versius like)

Intuitive  
DaVinci



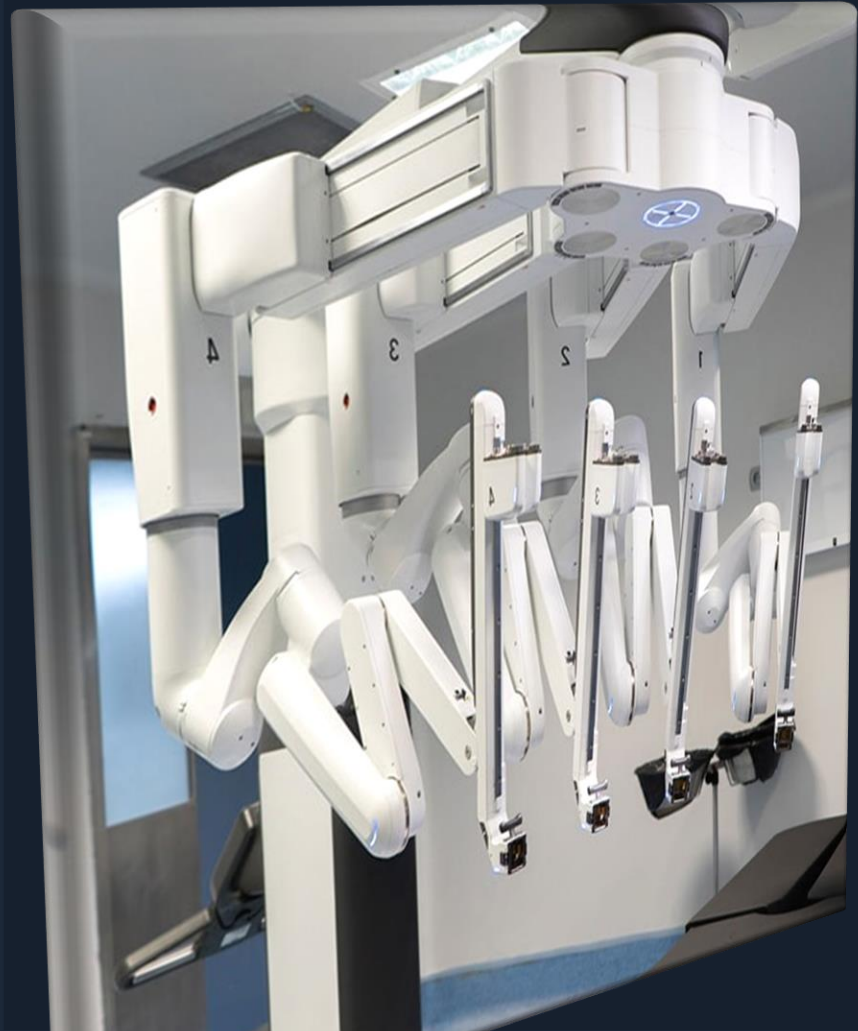
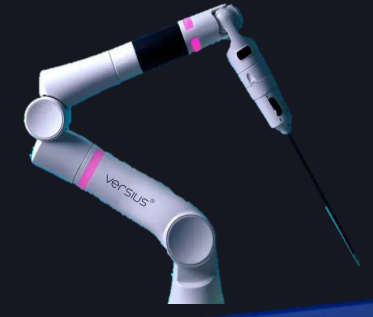
Sagebot  
Kamado



Medtronic  
HUGO



CMR  
Versius



# Port Placement

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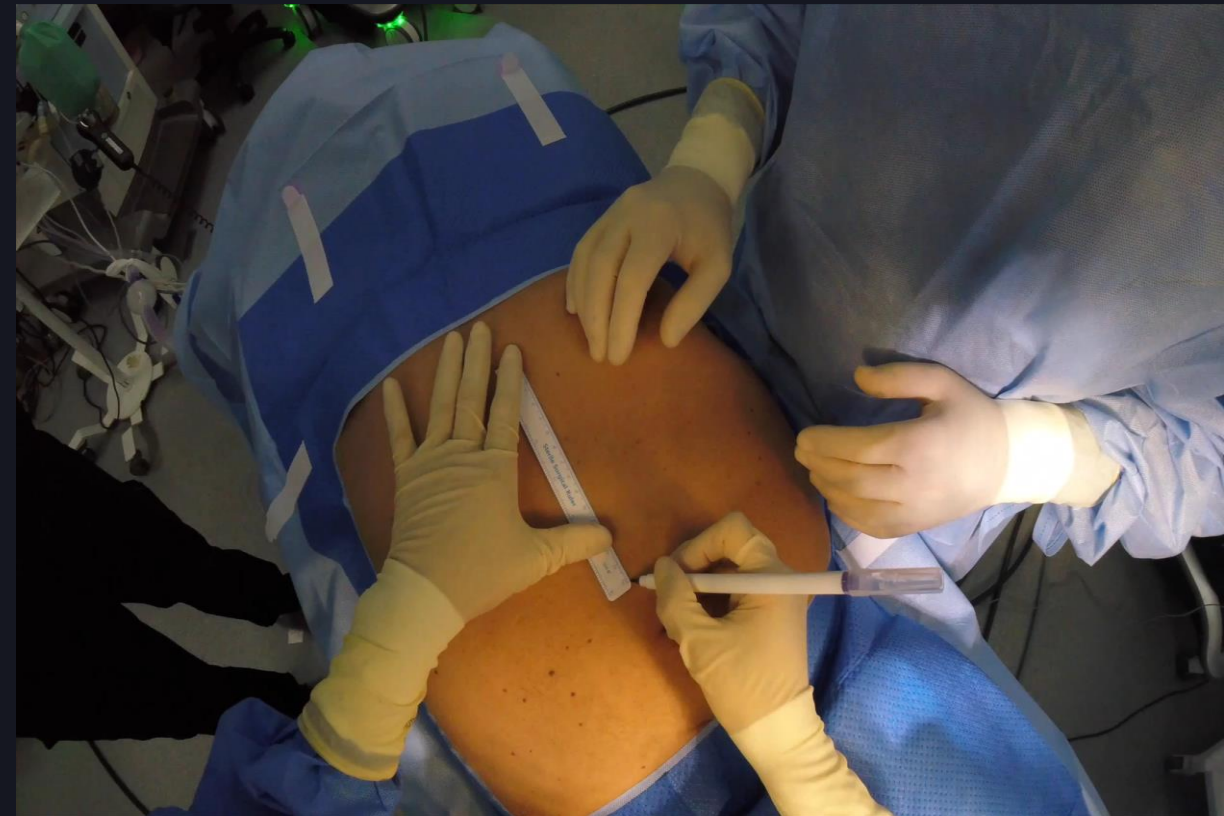
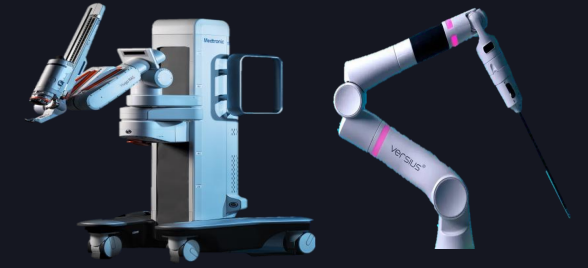
## Davinci Like



# Port Placement

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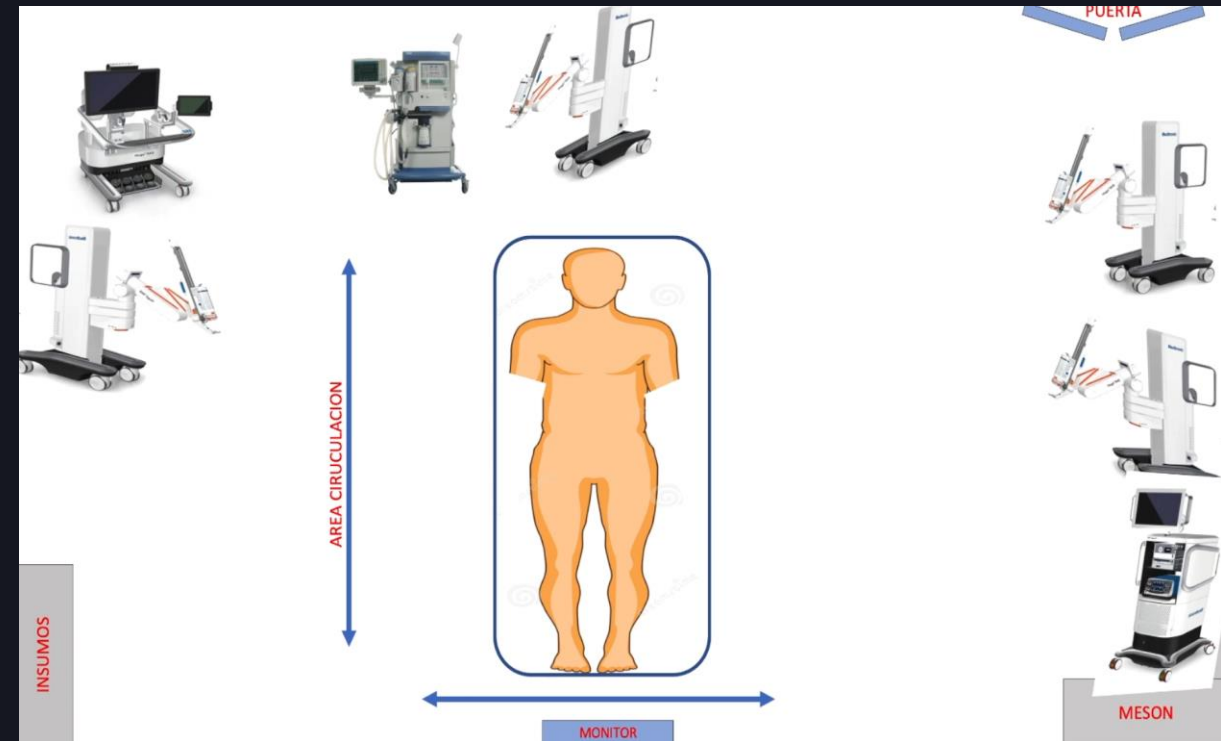
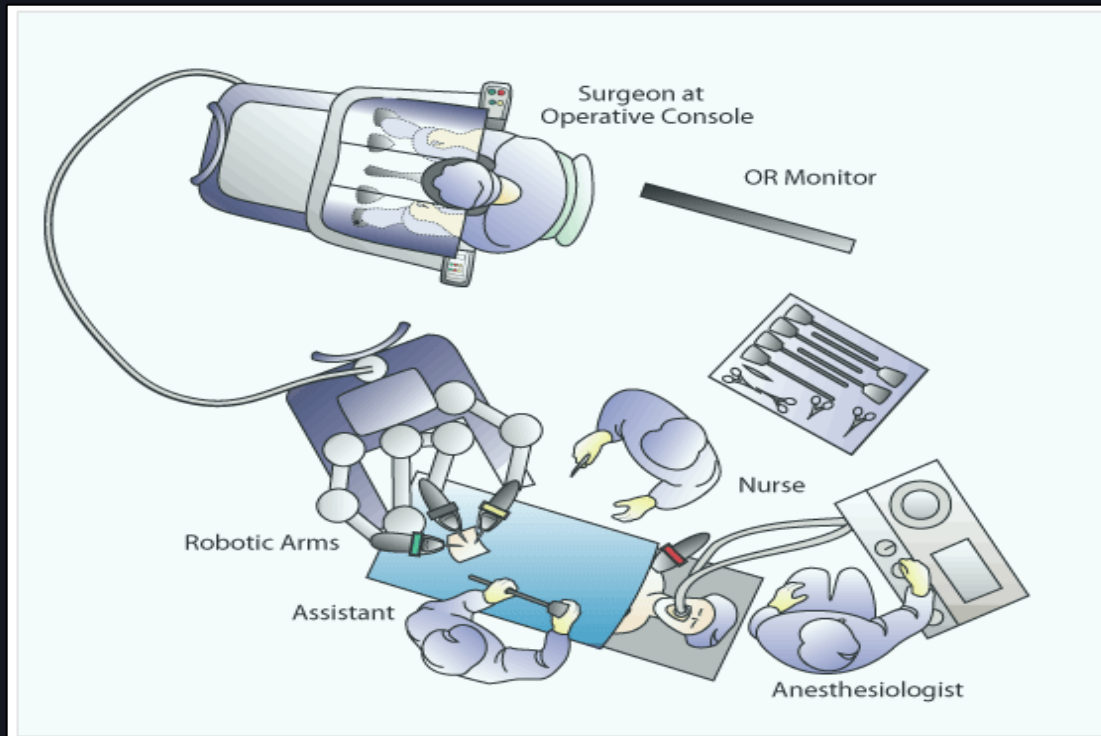
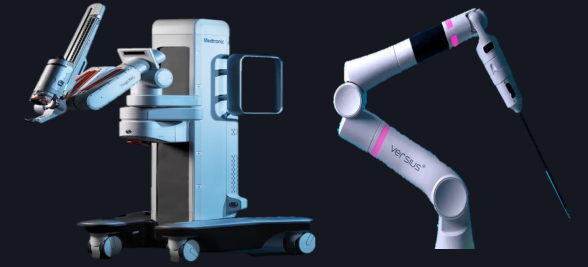
## Versius Like



# Docking Davinci Like



# Docking Versius Like



# Docking Davinci Like



# Docking Versius Like



Real Time

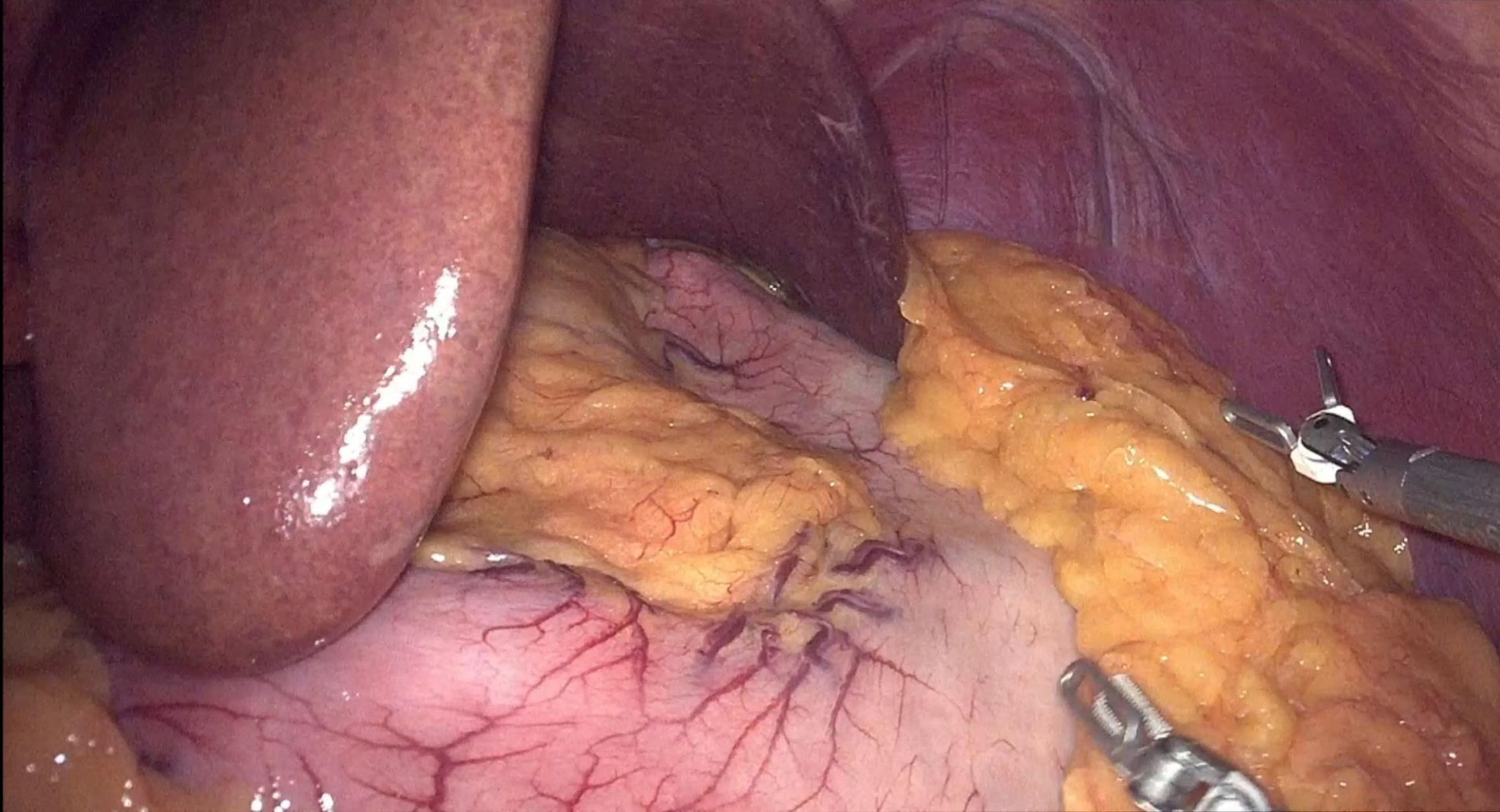


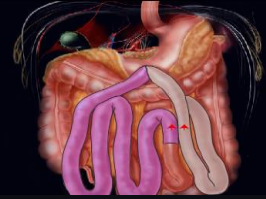
4 Time Faster



# Gastric Pouch

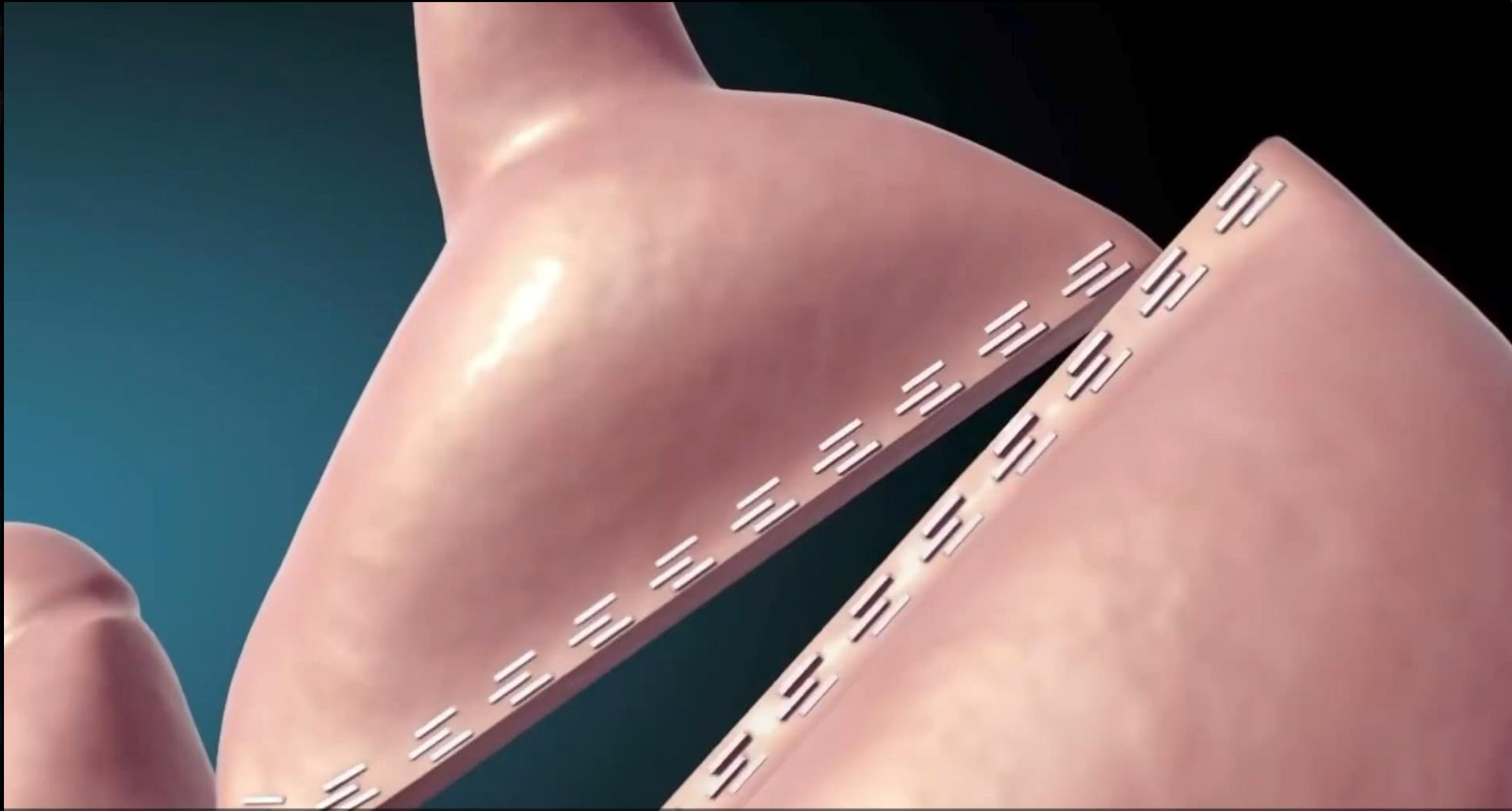
## Robotic Gastric Bypass

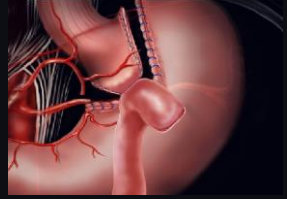




# Alimentary Limb

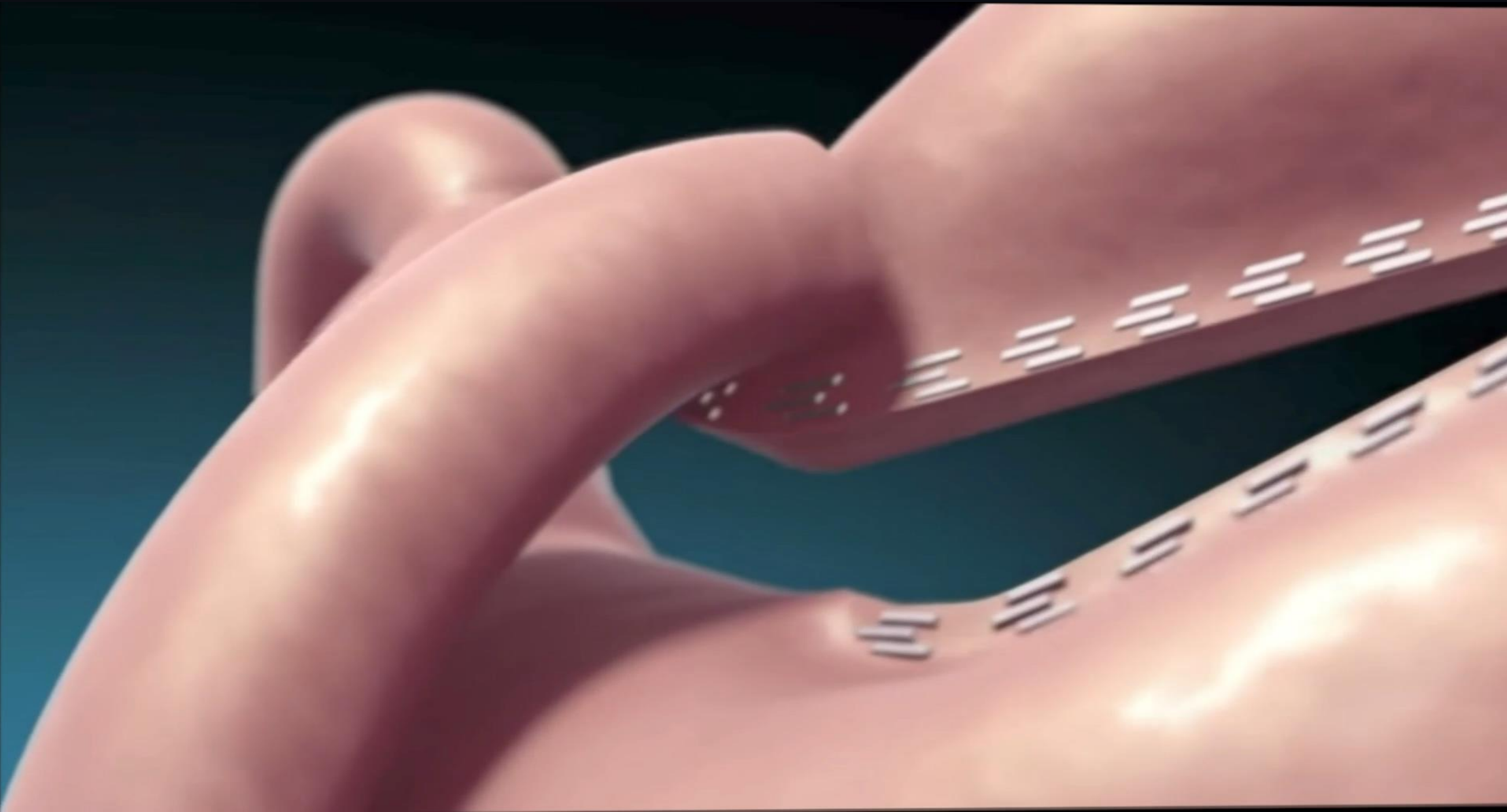
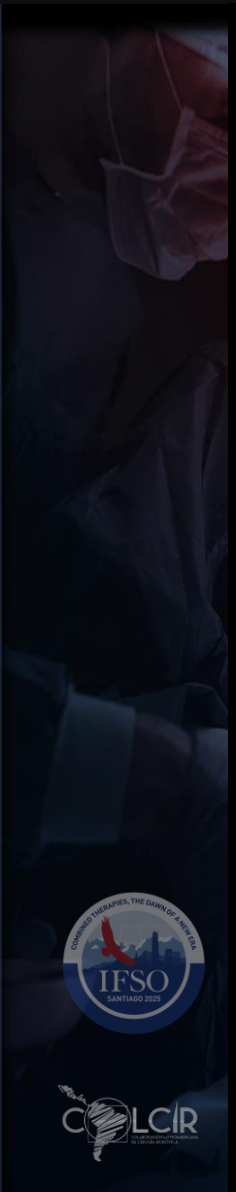
## Robotic Gastric Bypass





# Gastrojejunostomy

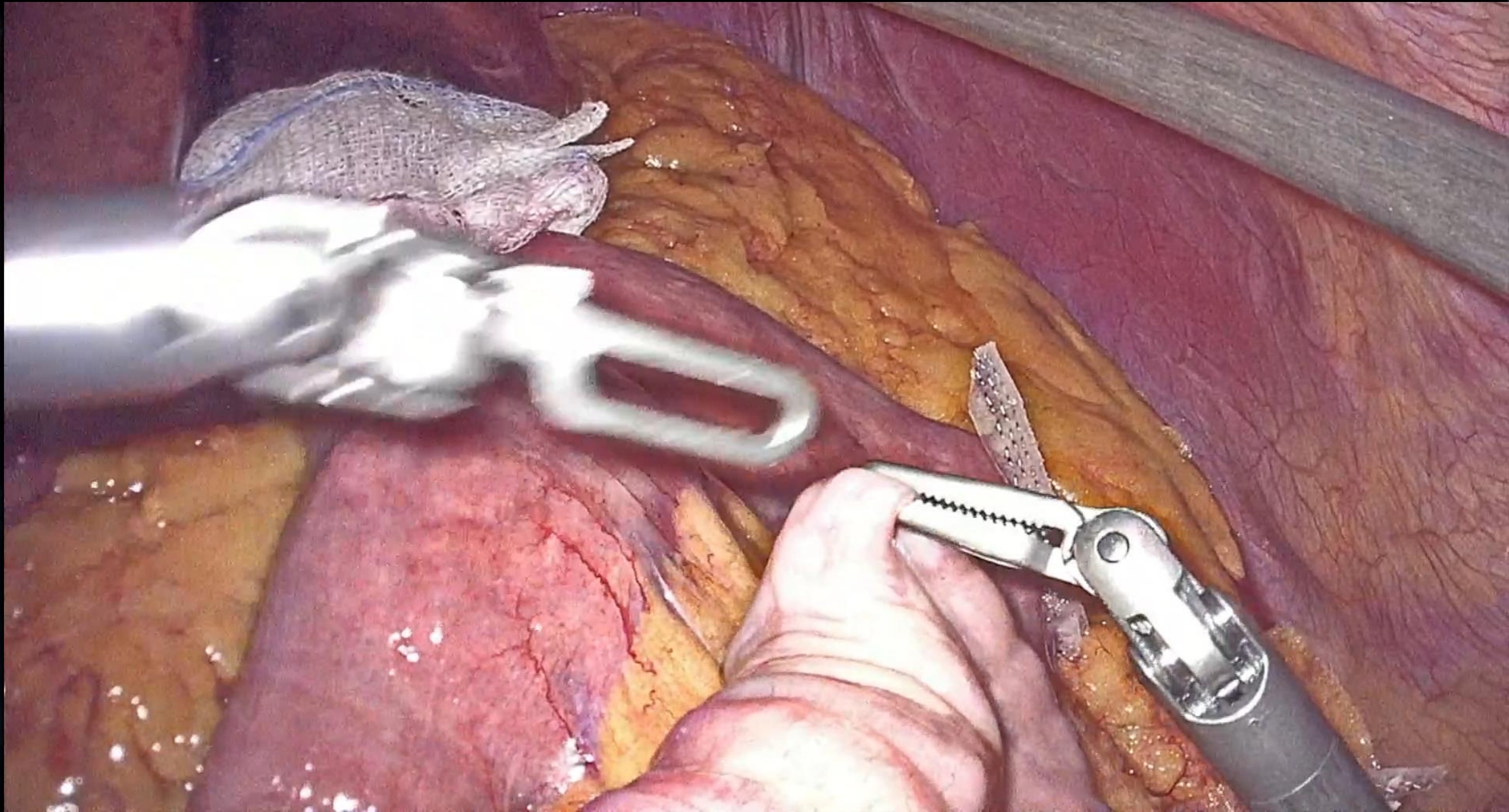
*Robotic Gastric Bypass*

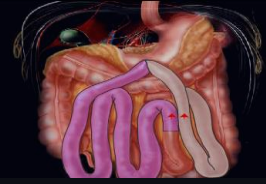




# Jejunojejunostomy

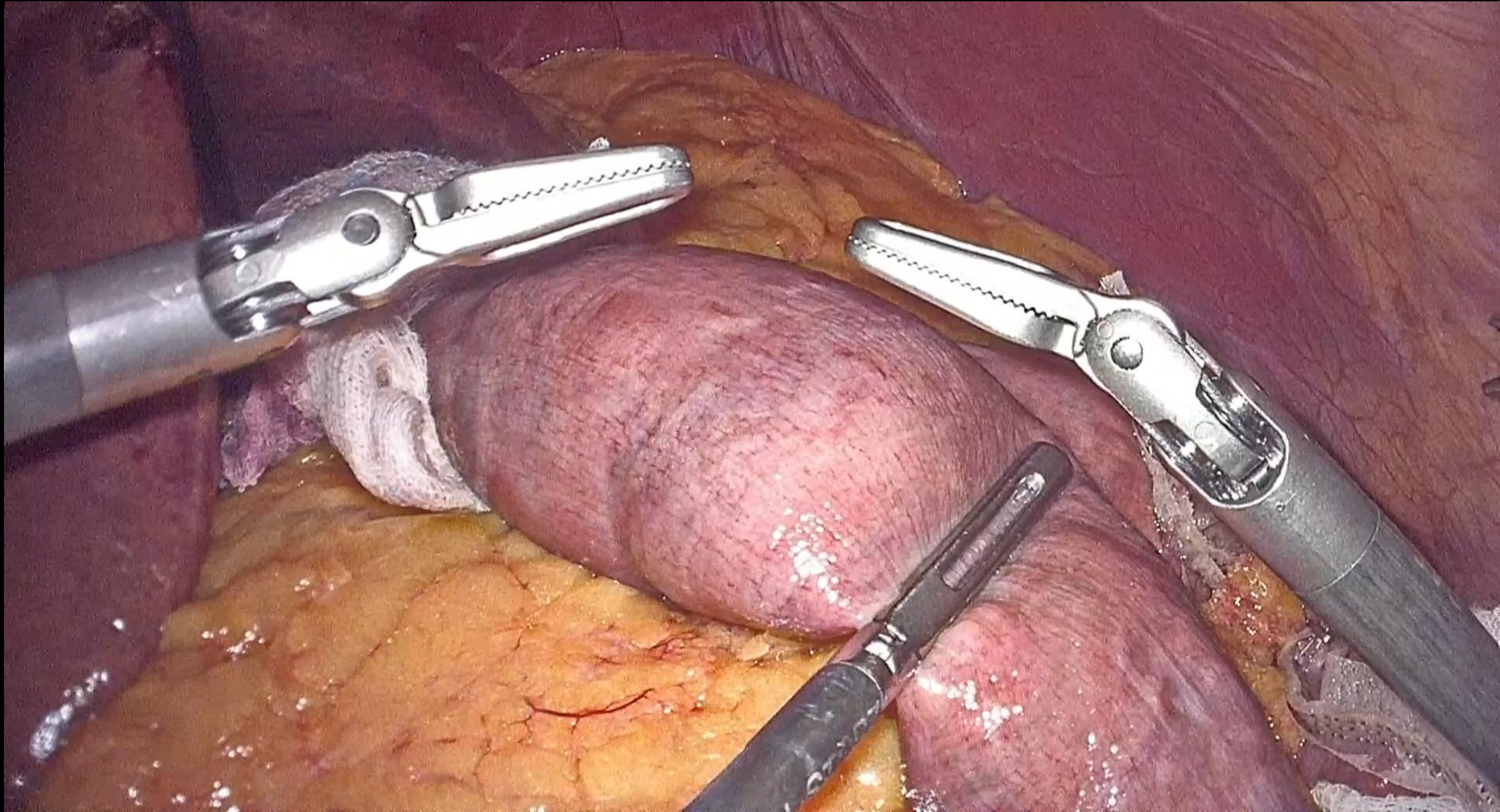
*Robotic Gastric Bypass*





# Methylene blue test

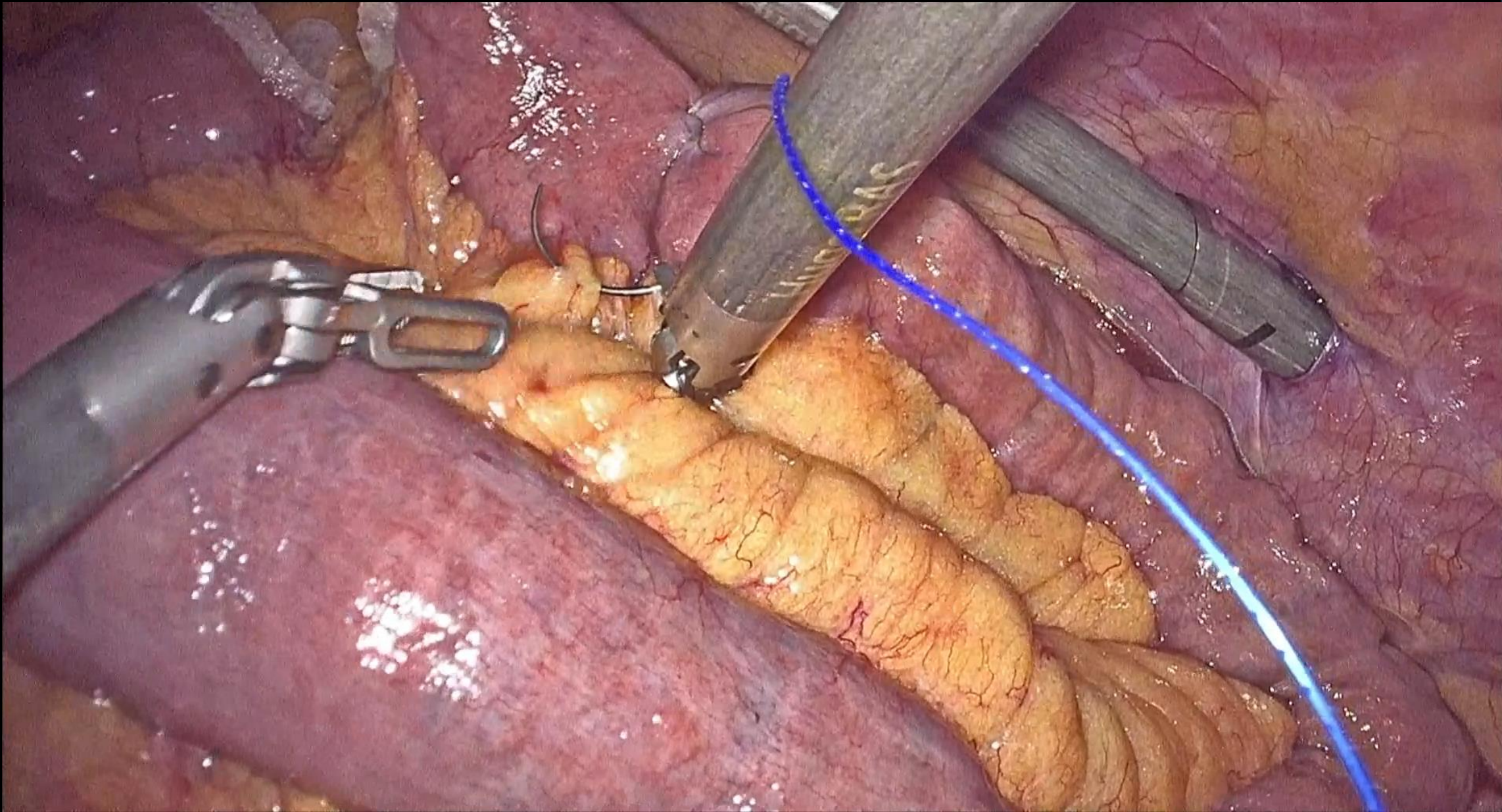
*Robotic Gastric Bypass*





# Defect closure

*Robotic Gastric Bypass*



Medtronic  
HUGO



Intuitive  
DaVinci Xi



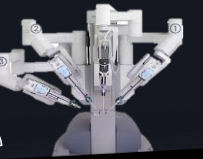
CMR  
Versius



Levita  
MARS



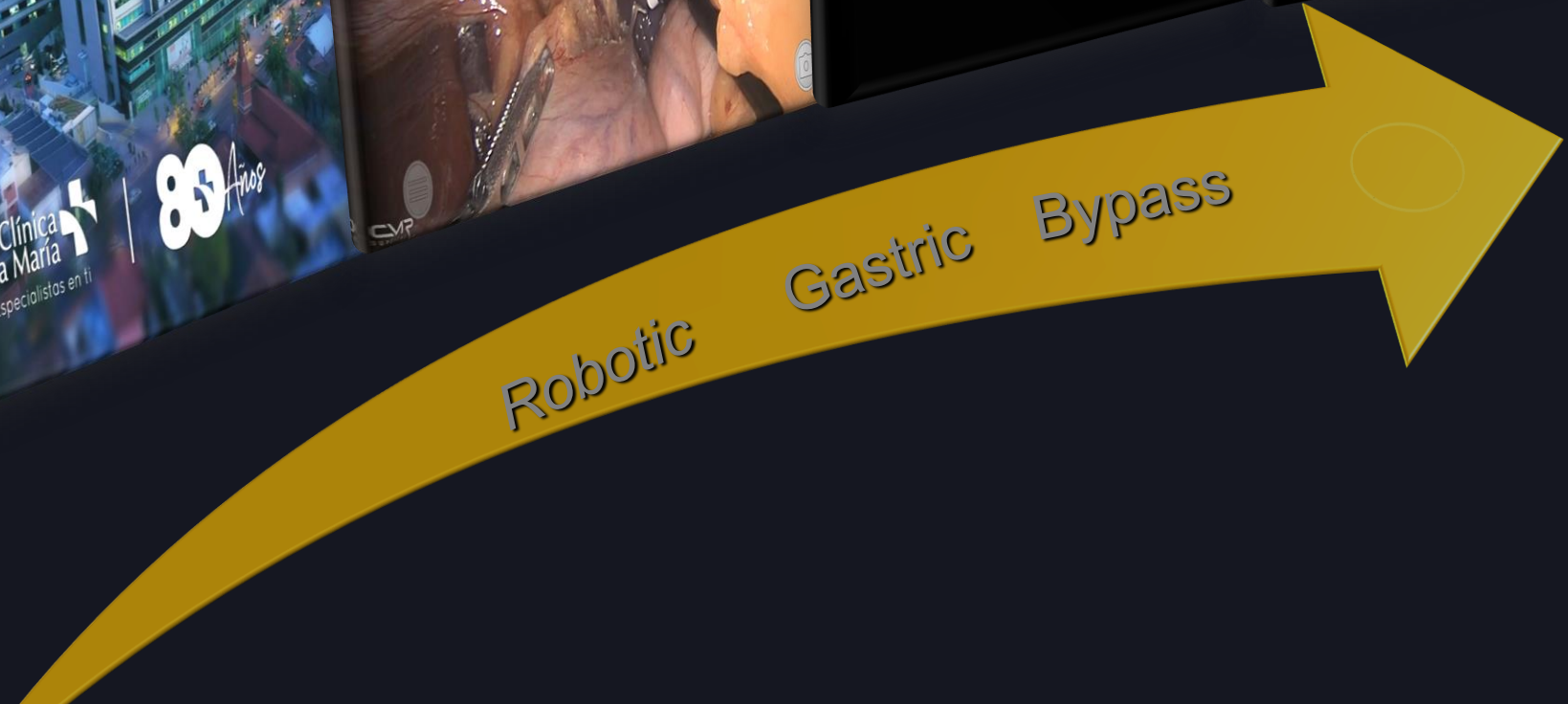
Intuitive  
DaVinci Si



Robotic

Gastric

Bypass



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**Thanks !  
Gracias !**

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