



# CLINICAL CASE

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# MEDICAL RECORDS

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3 year old female

## DIAGNOSES:

- ❖ Cloacal malformation
- ❖ SCI: 0.79

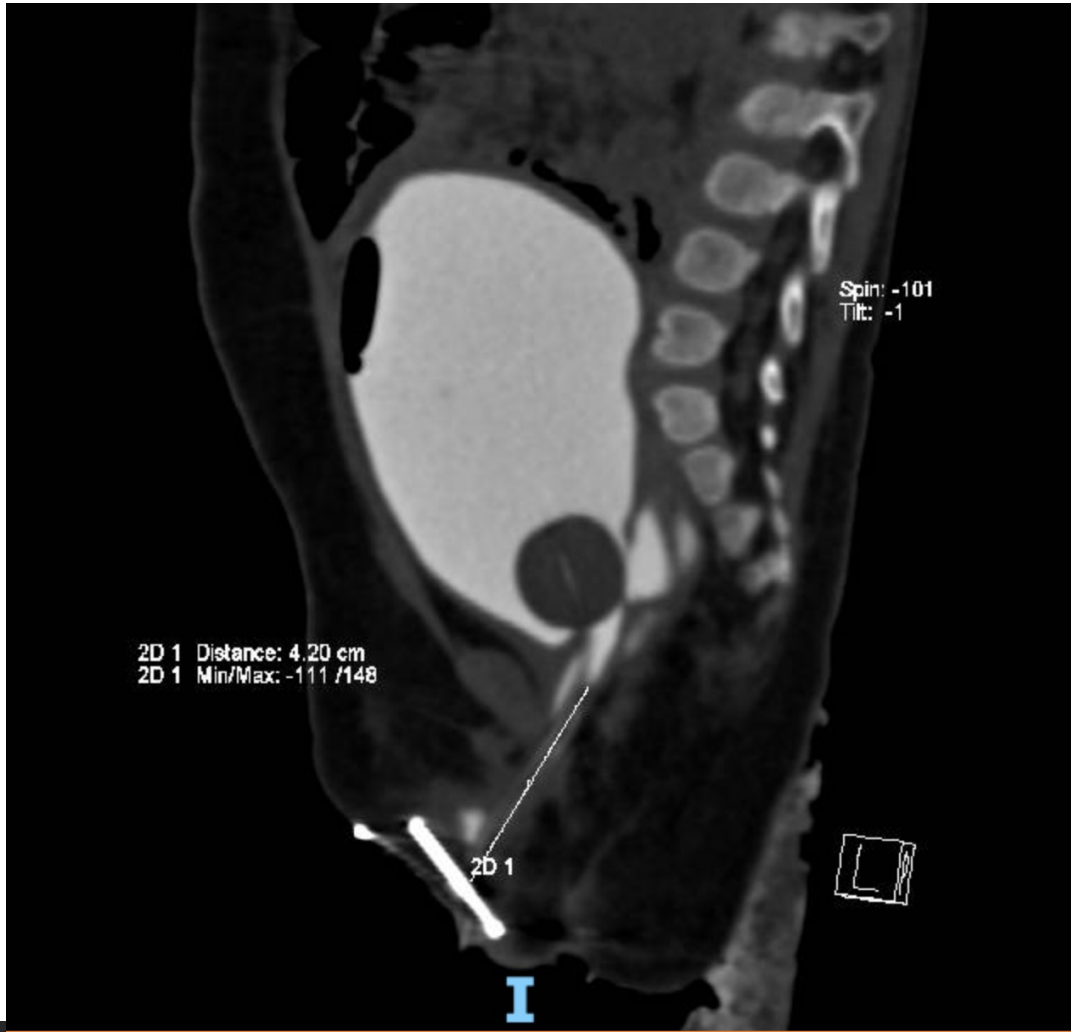
## SURGICAL PROCEDURES:

- ❖ Colostomy (2020)
- ❖ Cystoscopy (2021) Two hemivaginas with a midline septum, 2 cervices, without urethra.



# CT scan with 3D reconstruction

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# Whith that 3D image, what would be your surgical planning?

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- a) Total urogenital mobilization + anorectoplasty
- b) Leave the common channel, tubularized as urethra
- c) Possible vaginal replacement
- d) Anorectoplasty
- e) Options b, c, d

# OUR PLAN...

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Surgical  
reconstruction using  
a combined approach





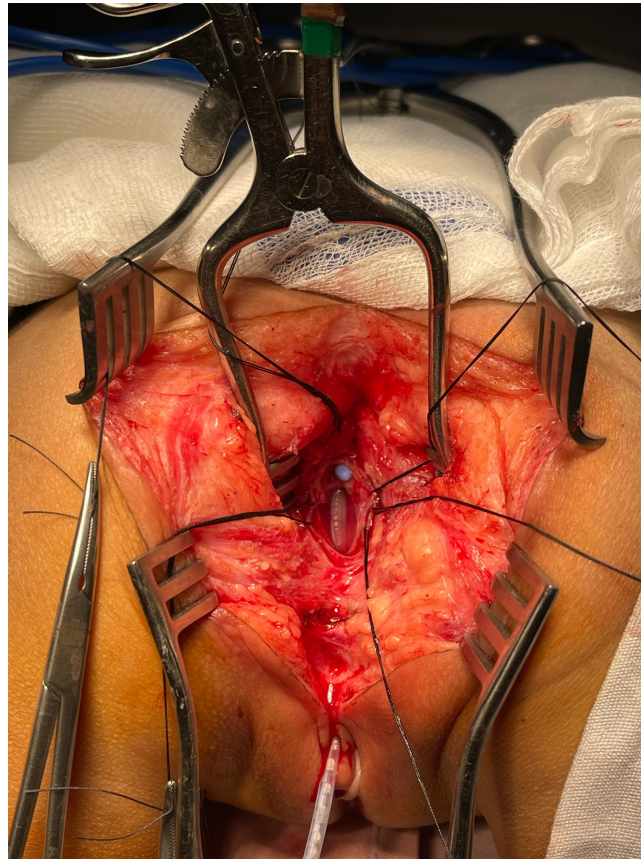
# SURGERY

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1. CONVENTIONAL POSTERIOR SAGITTAL APPROACH

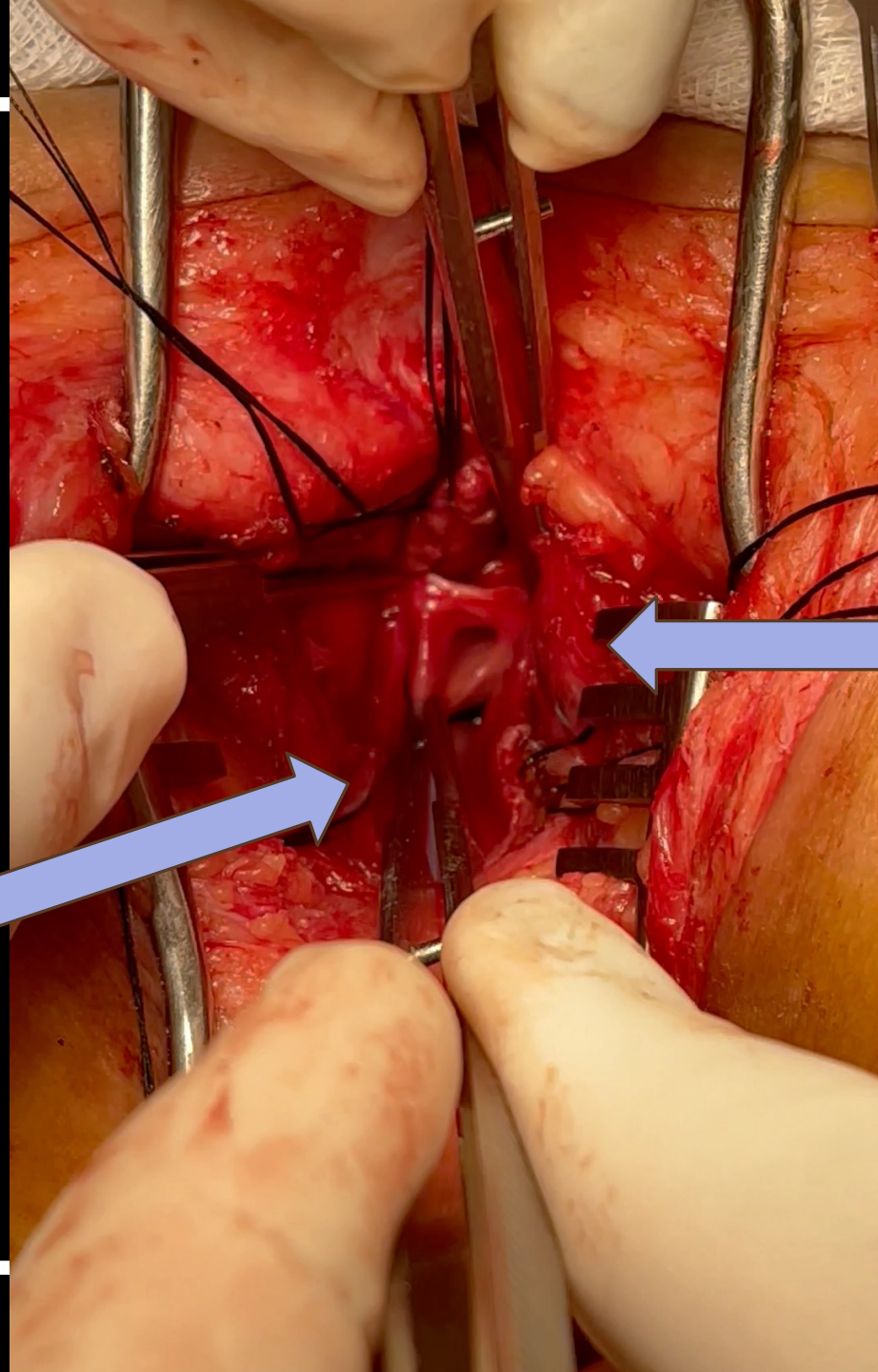
# DISSECTION POSTERIOR SAGITALLY UNTIL WE REACHED THE PELVIC CAVITY

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We found:

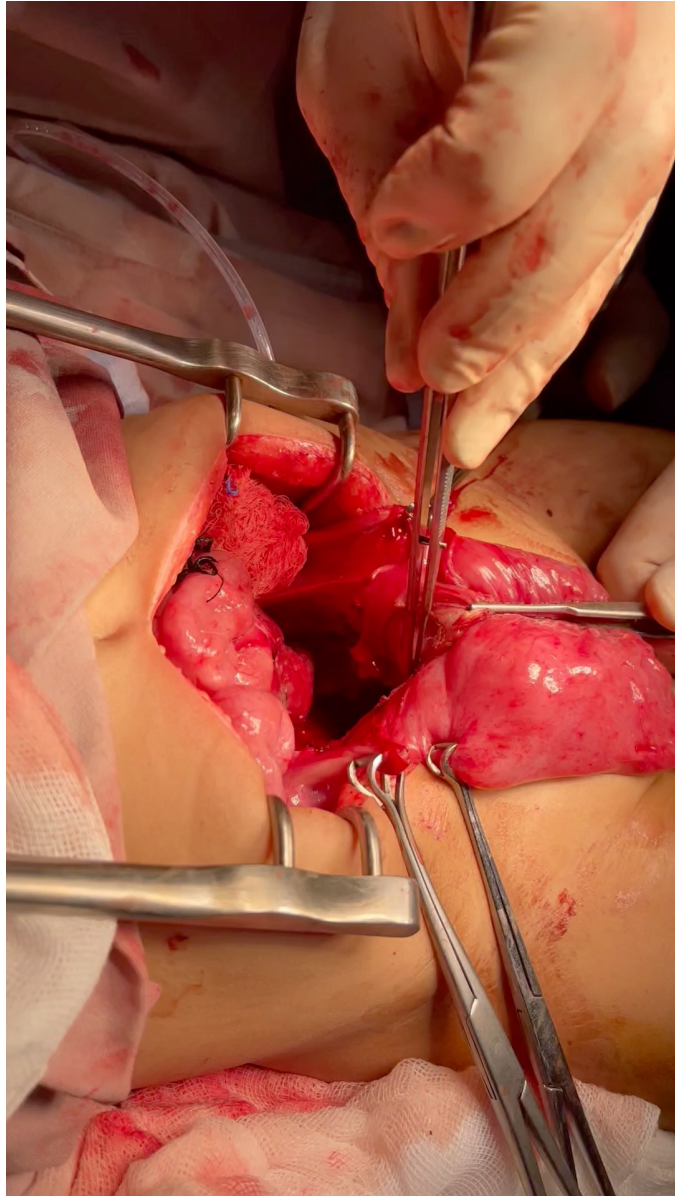
1. hemivaginas with a septum
2. Bladder without a defined bladderneck

A surgical dissection showing the bladder and hemivaginas. The bladder is on the left, and the hemivaginas are on the right. A central septum is visible between the hemivaginas. A Foley catheter is inserted into the bladder. The surgical field is held open by retractors, and various surgical instruments are visible.

BLADDER  
WITH FOLEY  
CATHETER  
WITHOUT  
BLADDER  
NECK

HEMIVAGINAS  
WITH A CENTRAL  
SEPTUM





# ABDOMINAL APPROACH

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# WE DIDN'T EXPECT THIS SO...

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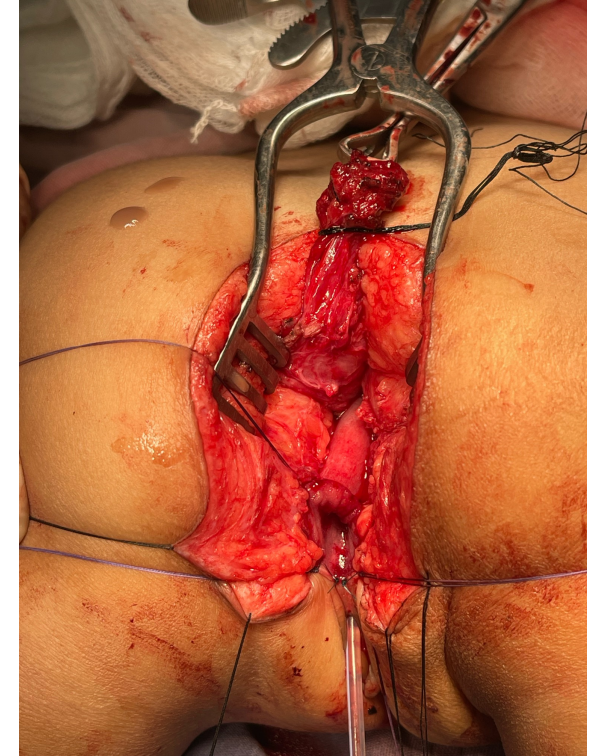
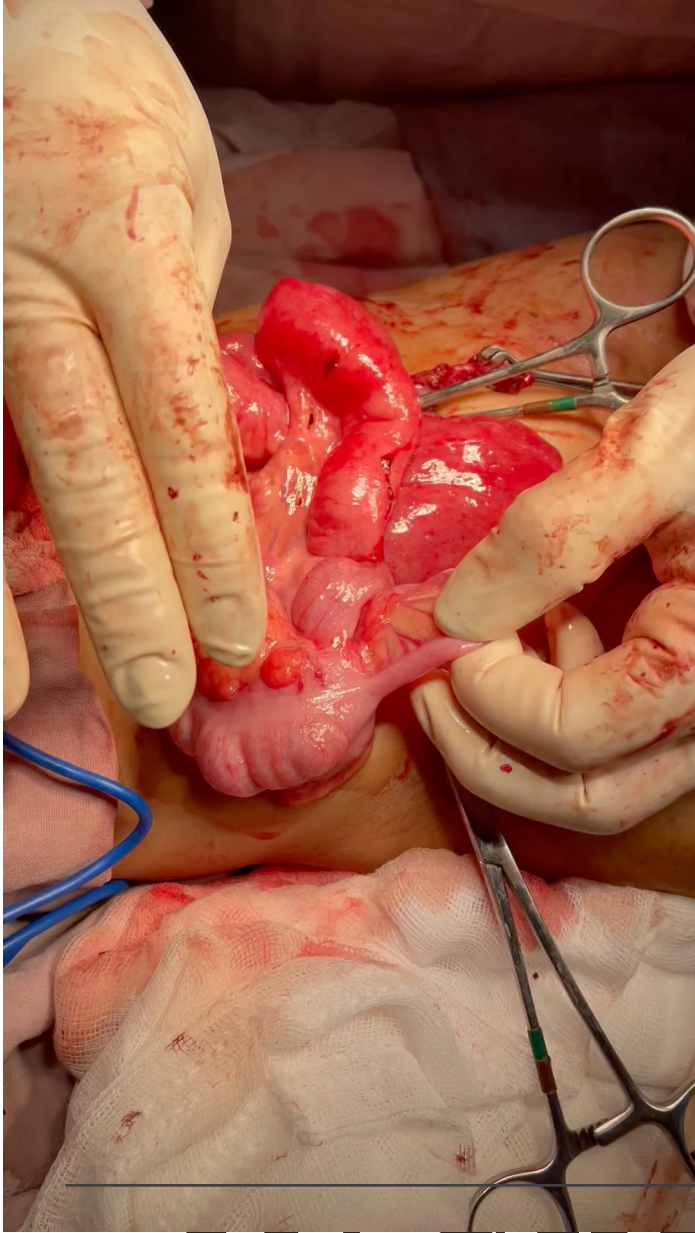
¿WHAT DO YOU THINK ITS THE BEST OPTION FOR THE PATIENT?

- A) Vaginal replacement at the same operation
- B) Vaginal replacement at another time
- C) Not performing vaginal replacement
- D) I have no idea

# ¿What bowel segment would you use for the vaginal replacement?

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- A) Sigmoid colon
- B) Ileum
- C) Transverse colon
- D) None of them

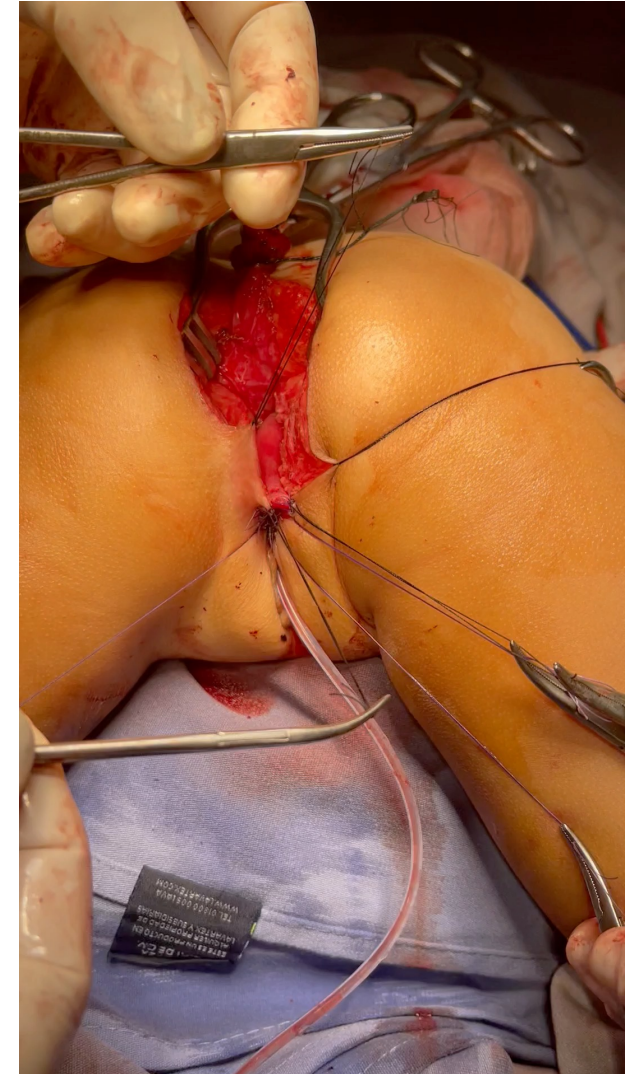


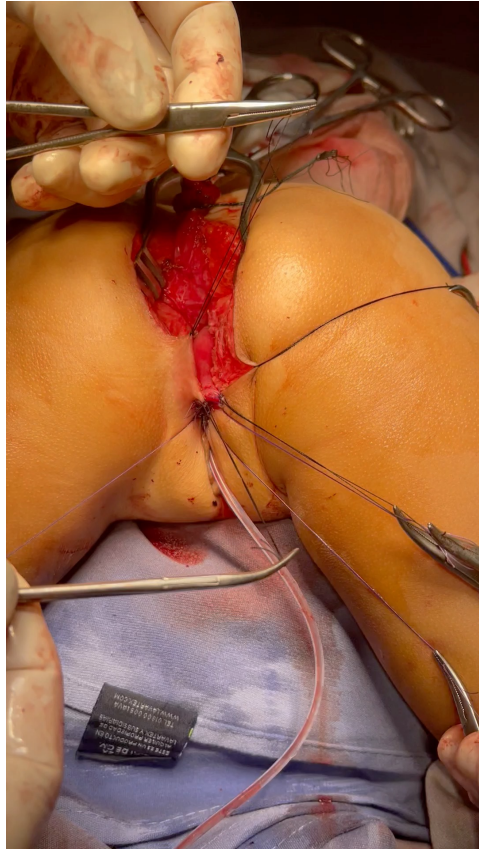
# VAGINAL REPLACEMENT

**¿Do you think it's better to have an appropriate perineal body or to leave the anus slightly outside the complex?**

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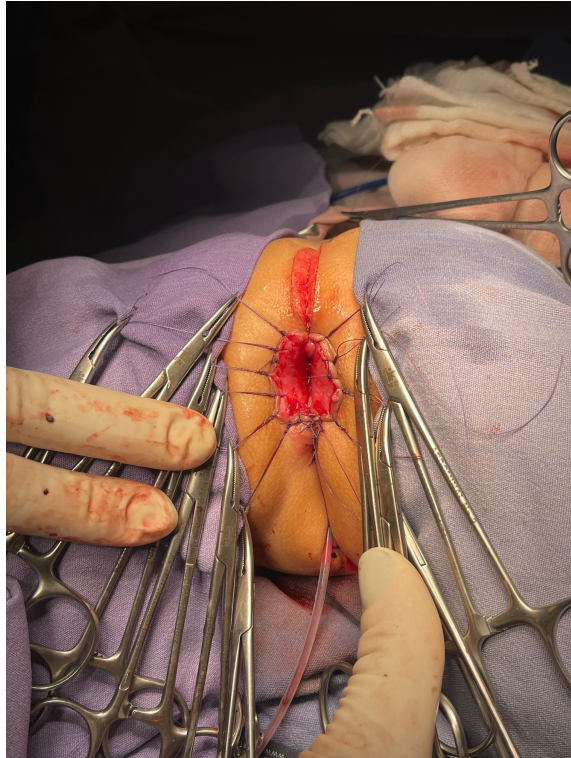
- A) Having an adequate perineal body is essential for the patient's prognosis
- B) It doesn't matter if you don't have an adequate perineal body, you should always keep the anus 100% inside the muscular complex
- C) Either one is fine
- D) It's a difficult decision





# PERINEAL RECONSTRUCTION

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# ANOPLASTY

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**THANK YOU 😊**