

CENTER FOR RECONSTRUCTIVE URETHRAL SURGERY



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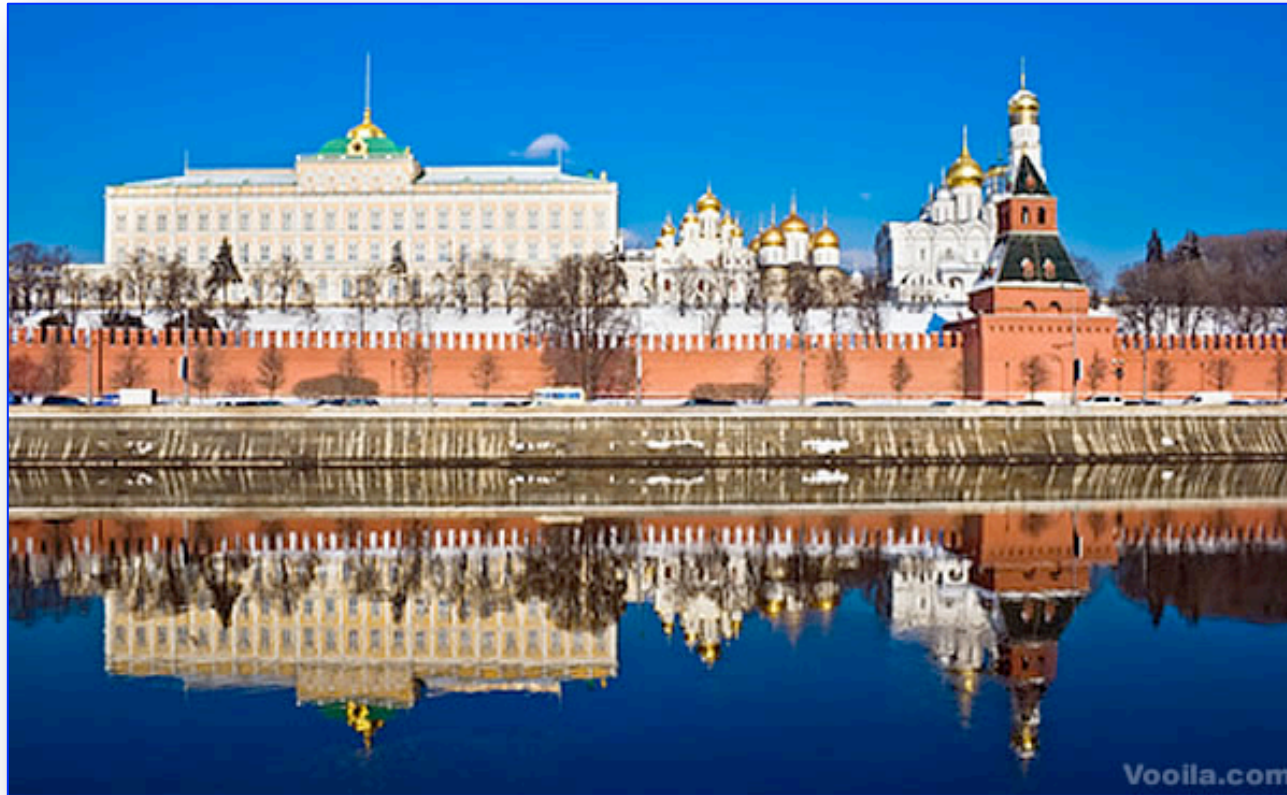
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*ADVANCED EDUCATIONAL COURSE ON:
Urethral Strictures and Reconstruction*



Moscow – Russia
June 18 – 19, 2015

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Reconstruction of bulbar urethra

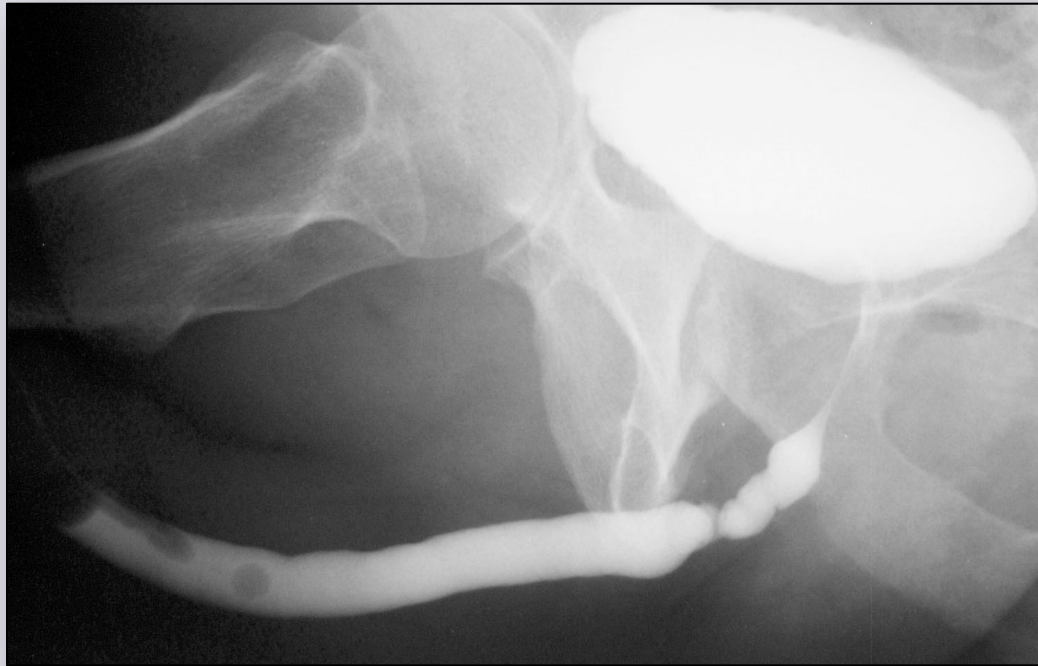


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Bulbar urethral stricture



Anastomotic

or

Graft repair ?

Bulbar urethral stricture

Etiology

```
graph TD; Etiology --> Trauma; Etiology --> Other; Trauma --> Anastomotic; Other --> GraftRepair[Graft repair];
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Trauma

Other

Anastomotic

Graft repair

Traumatic urethral stricture

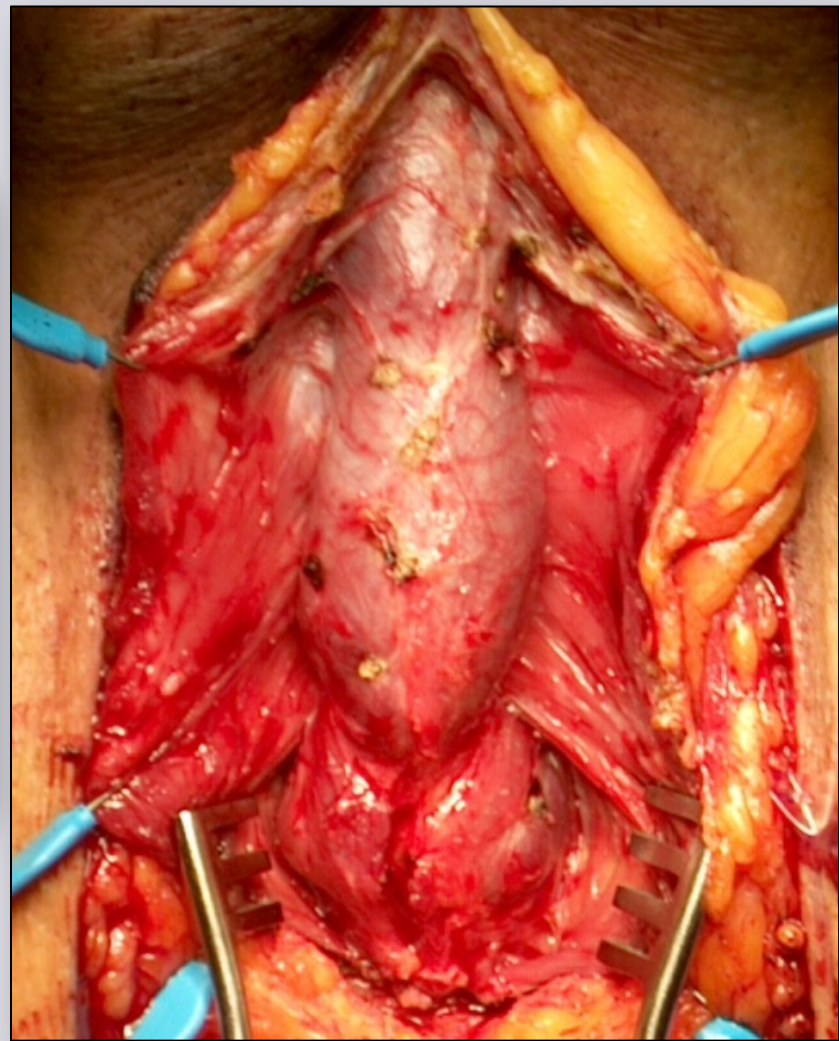


Previous history of perineal trauma

Traumatic urethral stricture



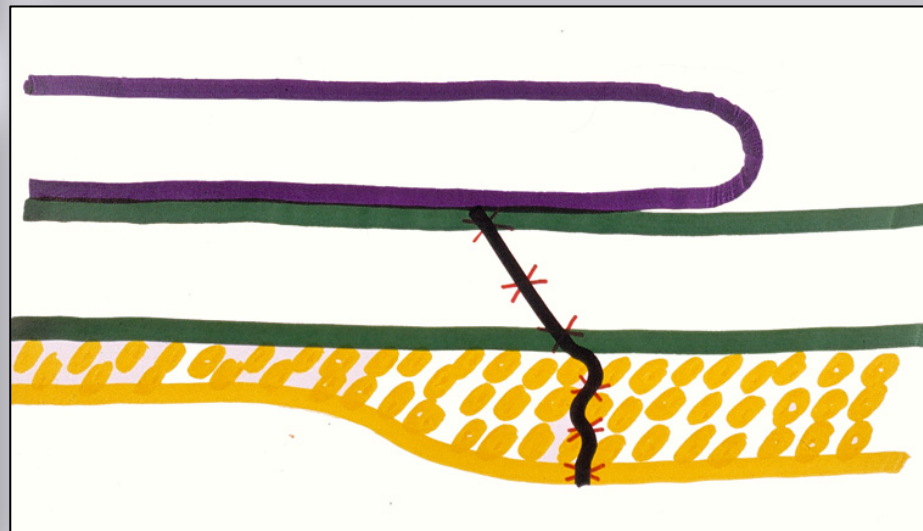
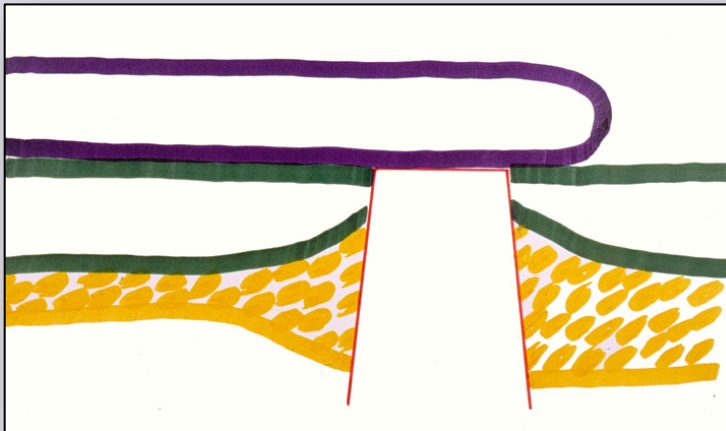
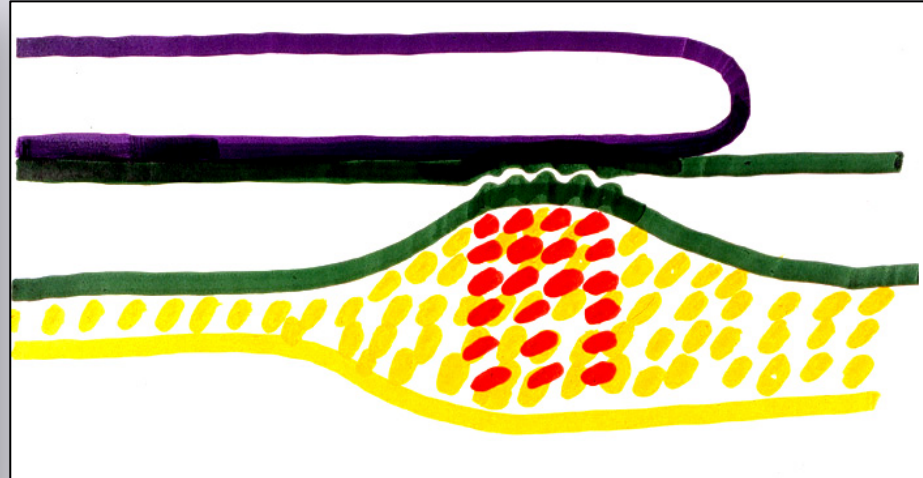
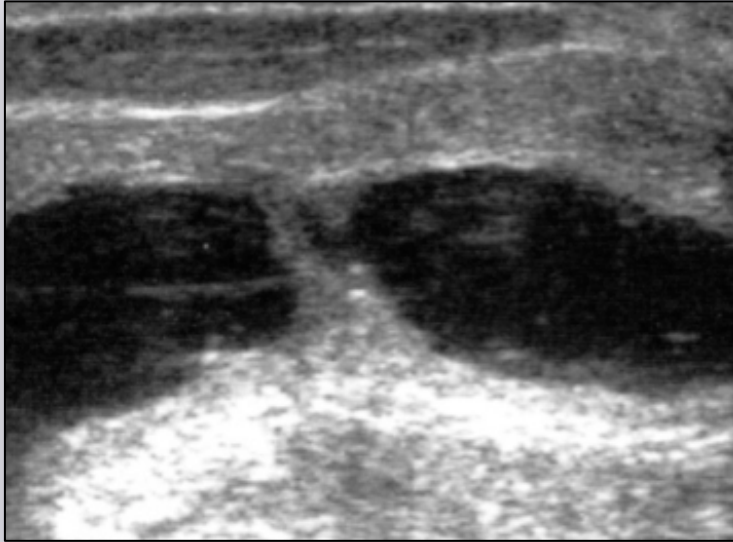
Traumatic urethral stricture



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Traumatic urethral stricture

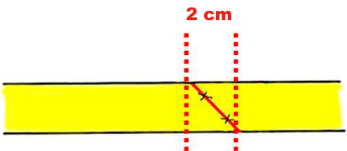
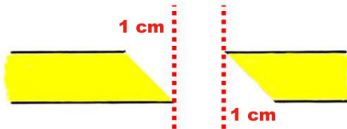
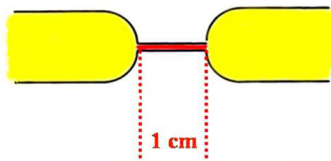


Traumatic bulbar urethral stricture

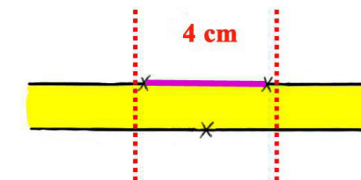
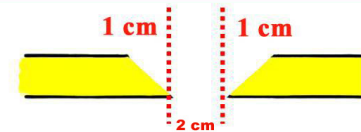
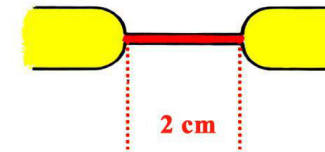
Whic type of anastomotic repair ?



Stricture length

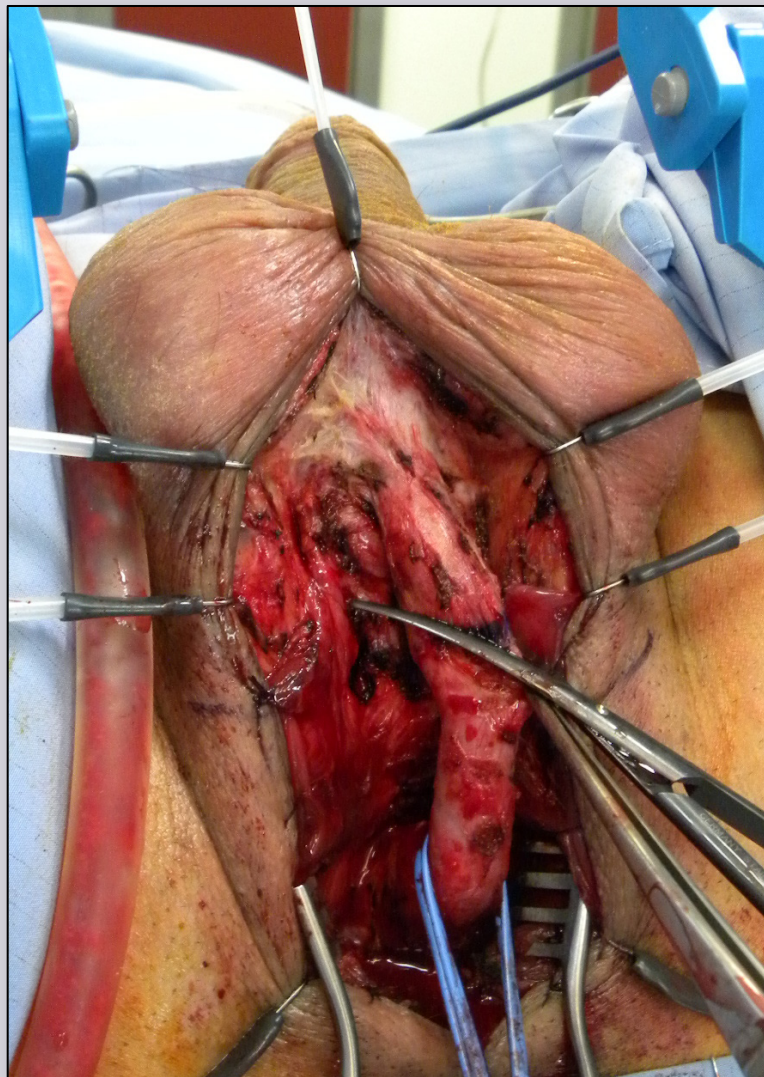


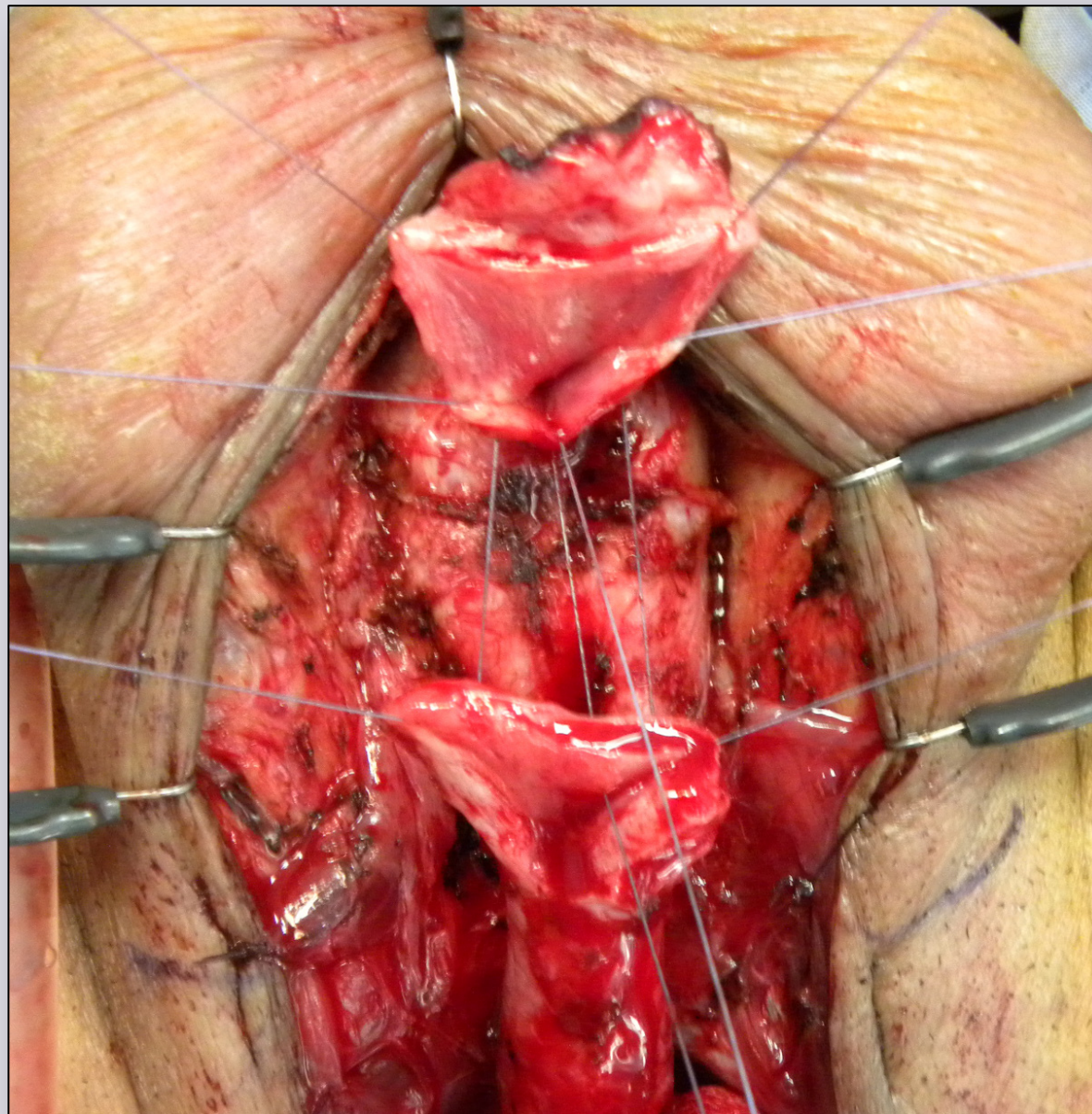
End-to-end



Augmented anastomotic repair

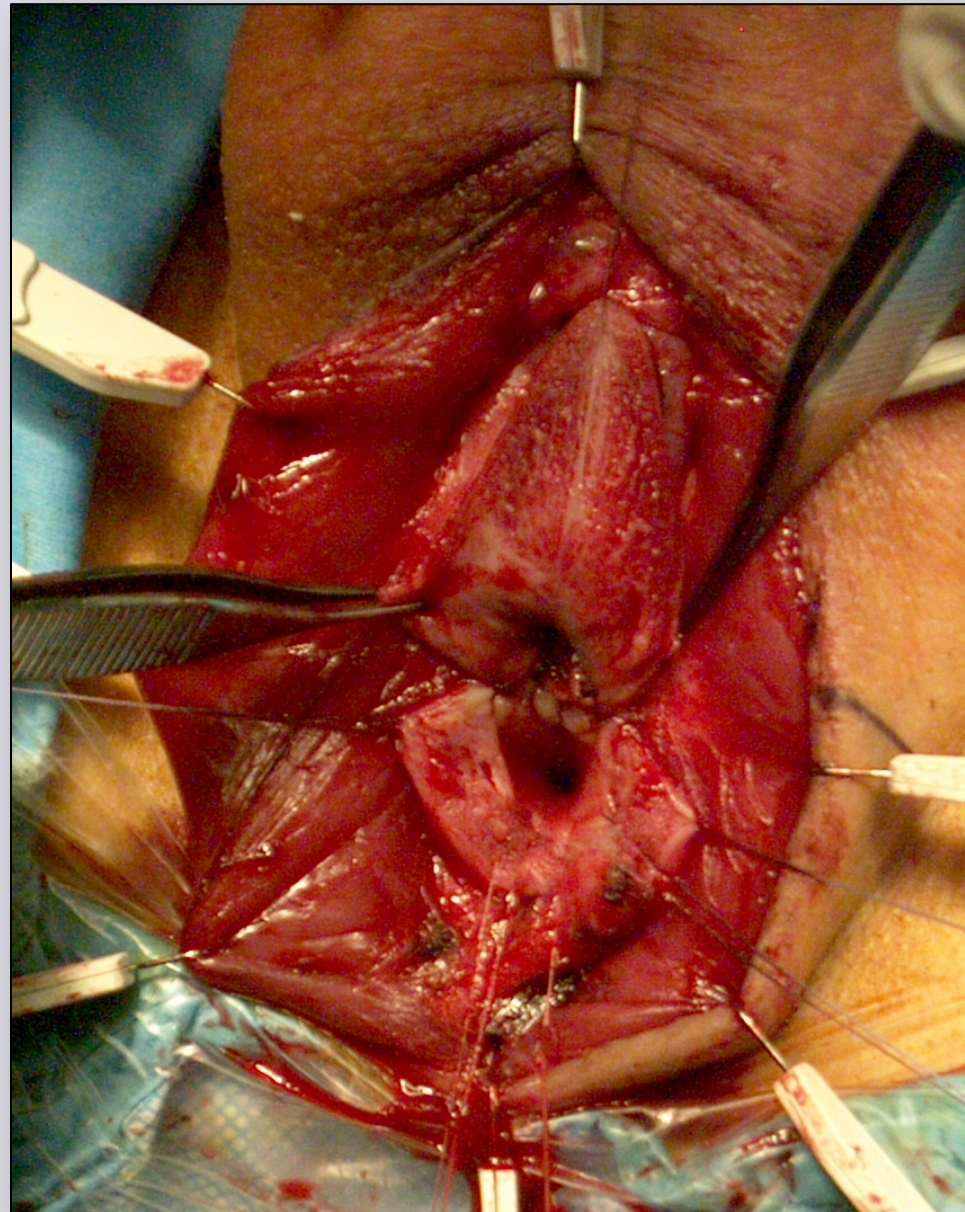
End-to-end anastomosis





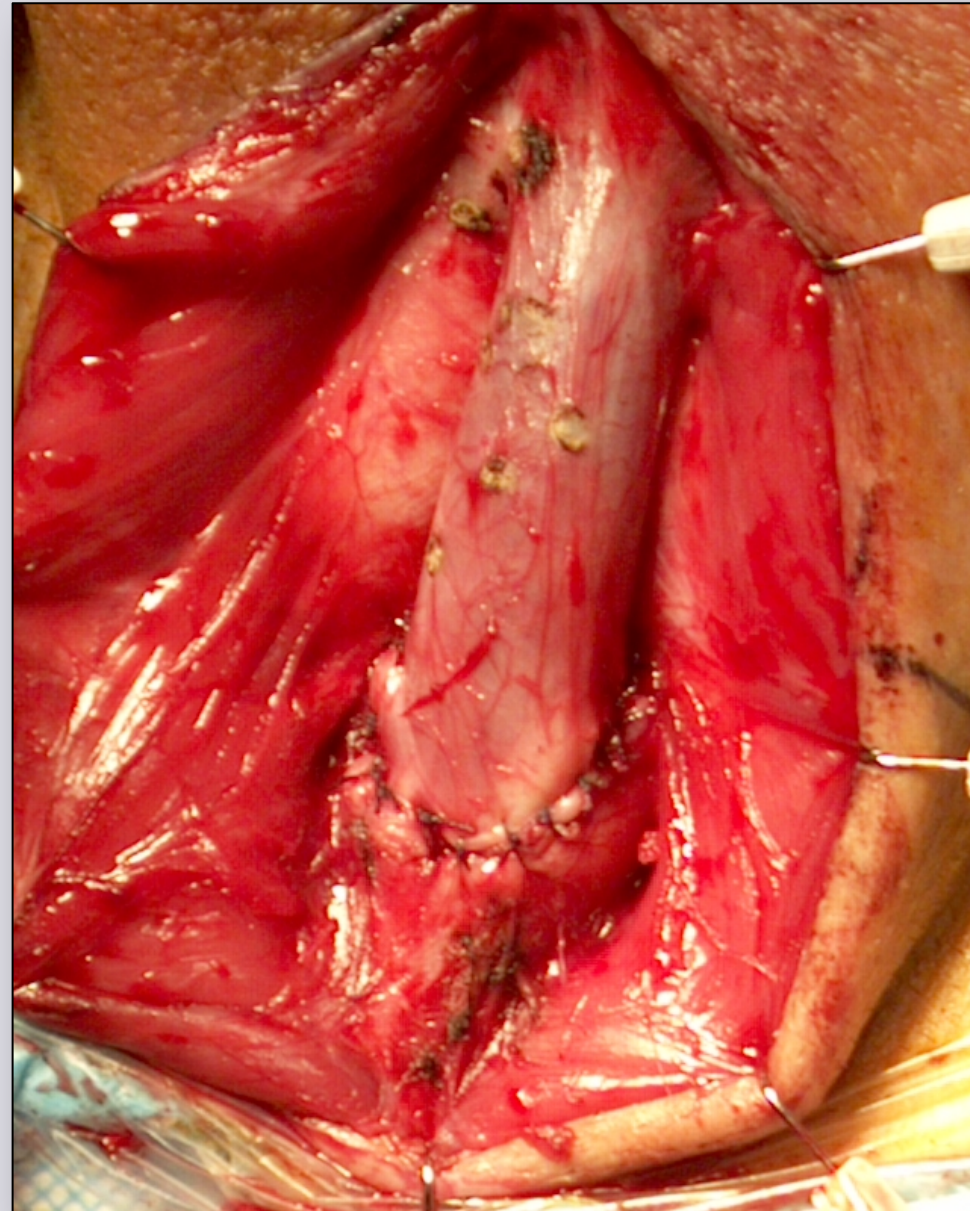
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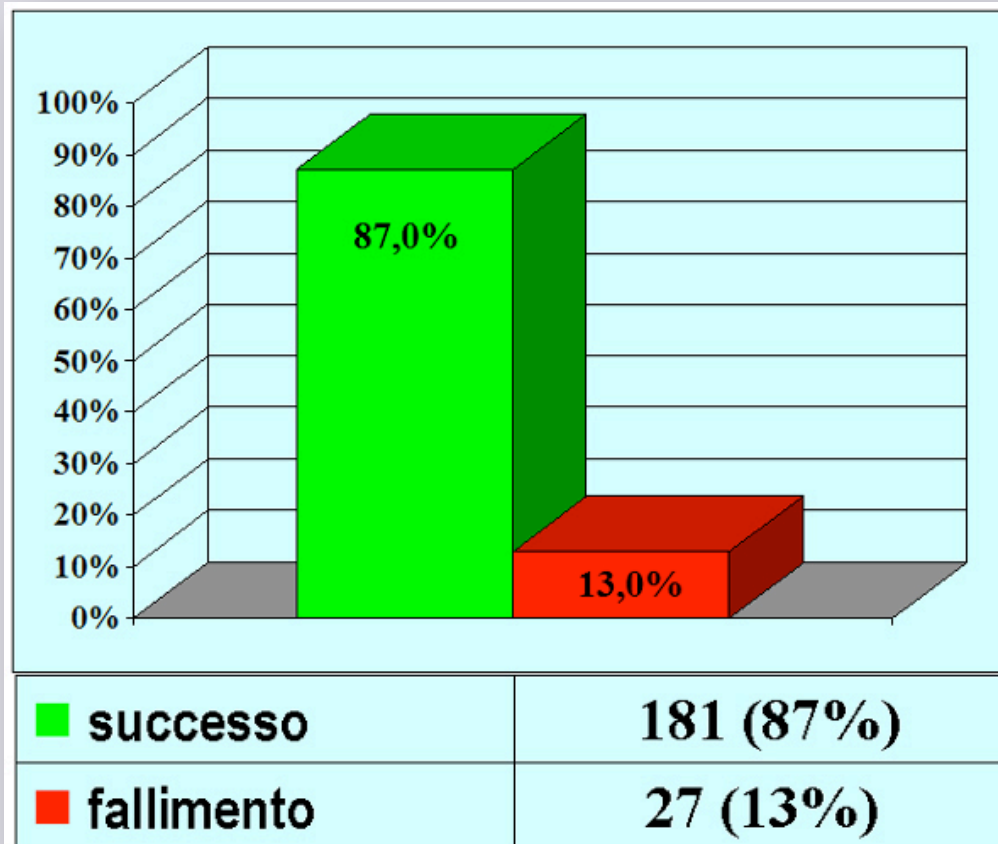
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Our results in 208 patients updated to December 2013



87%
(mean followup
129 months)

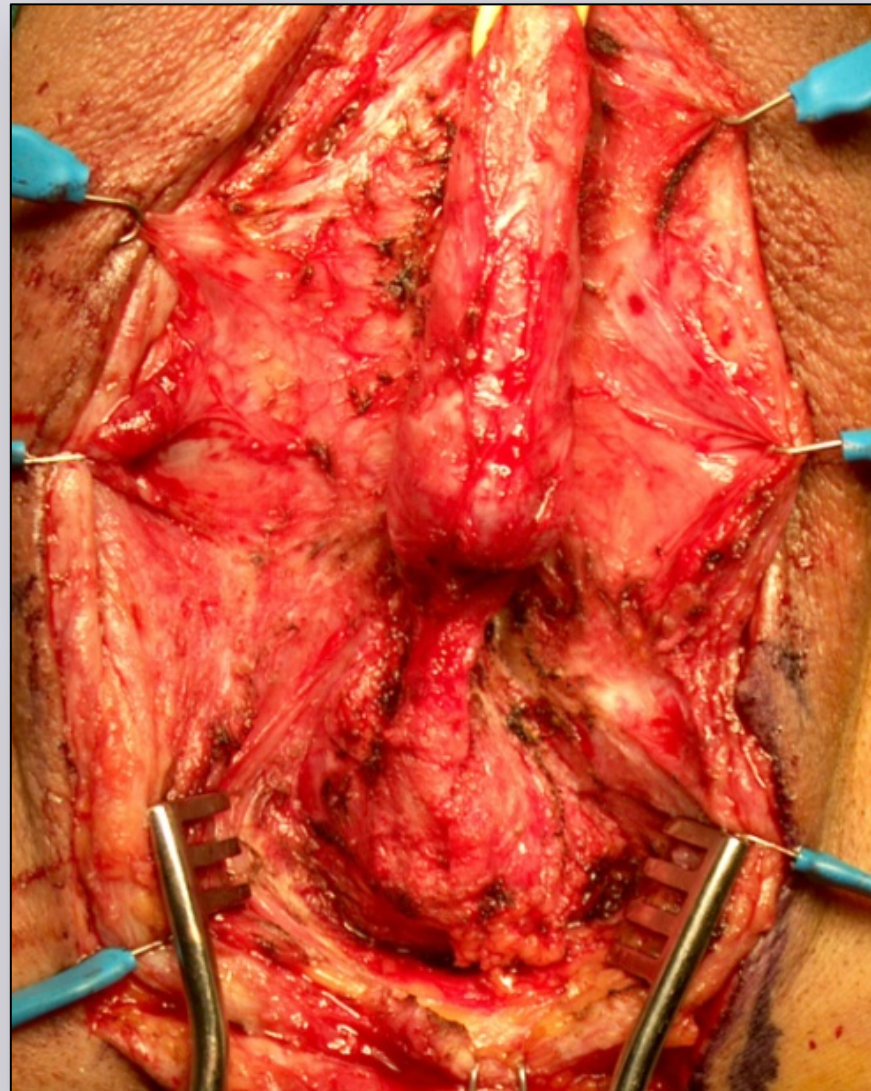
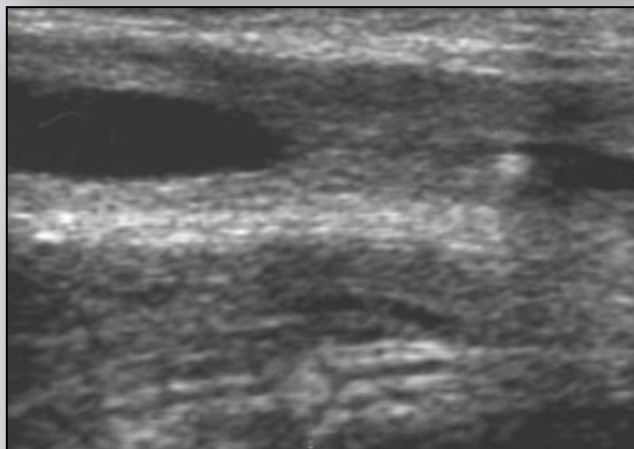
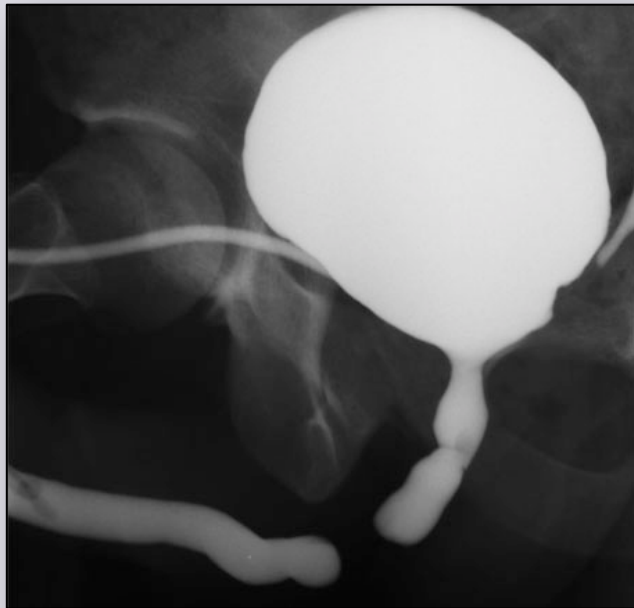
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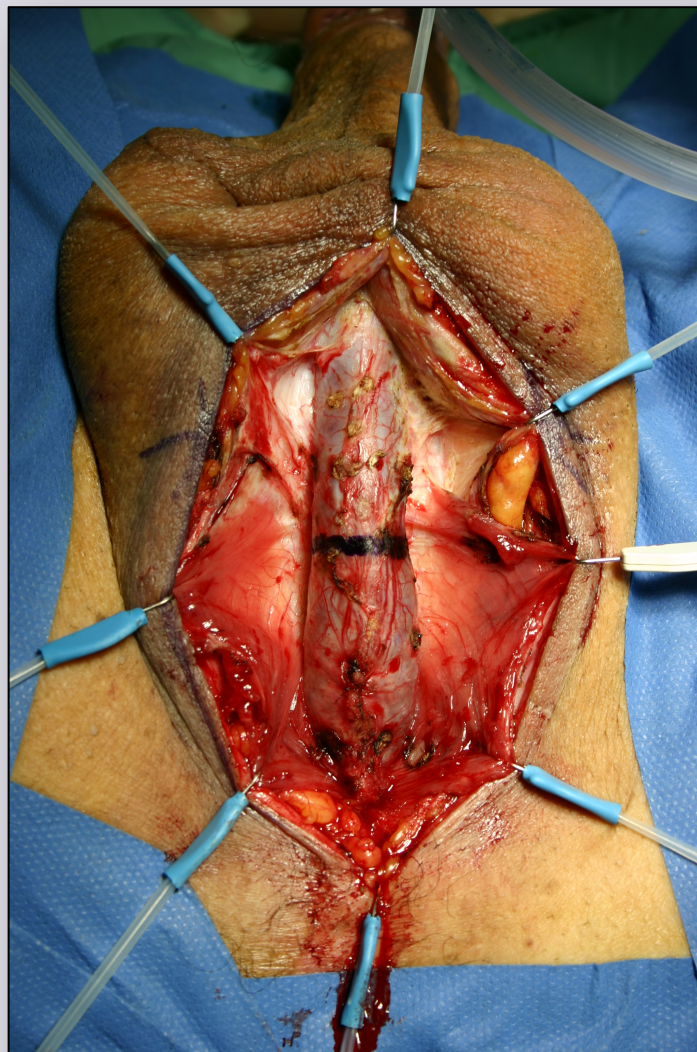
Augmented anastomotic repair



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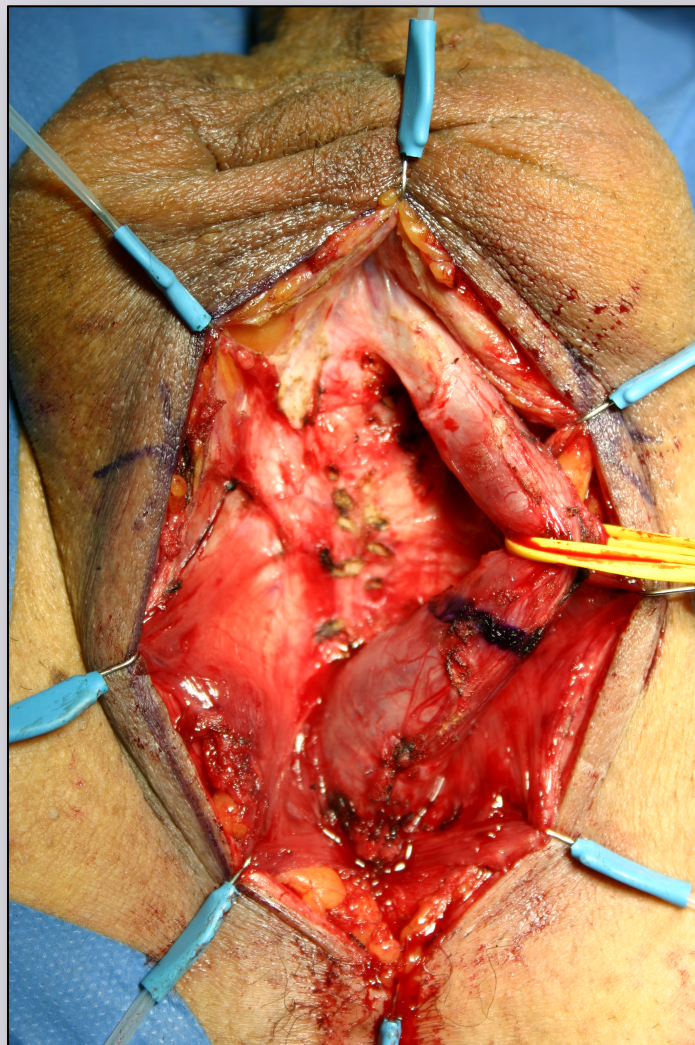
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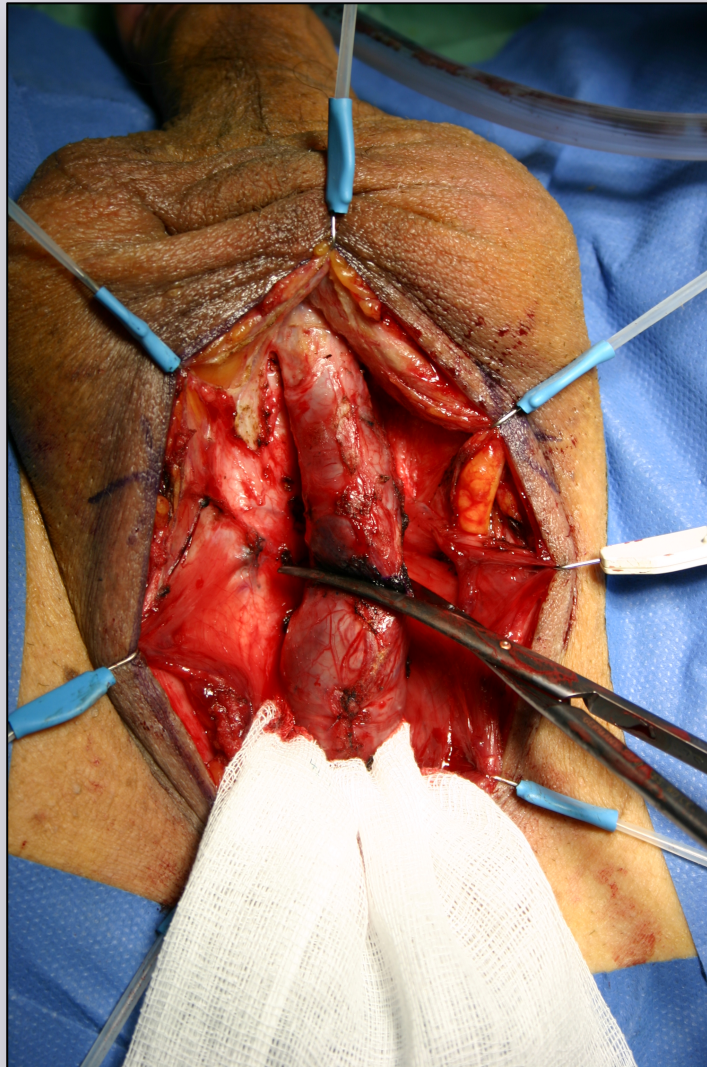
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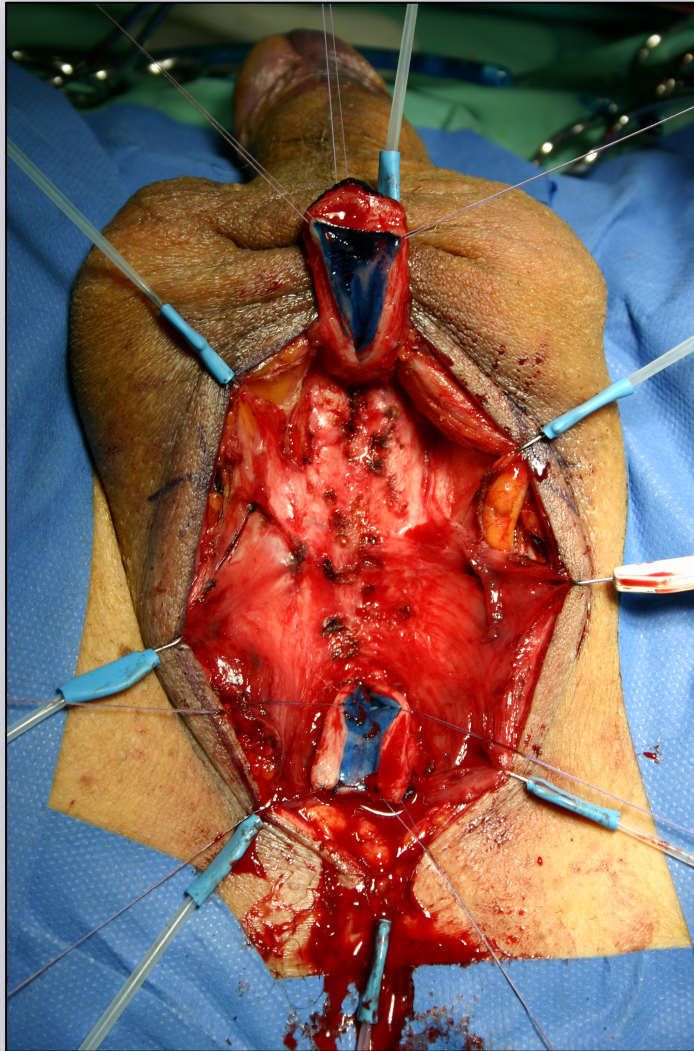
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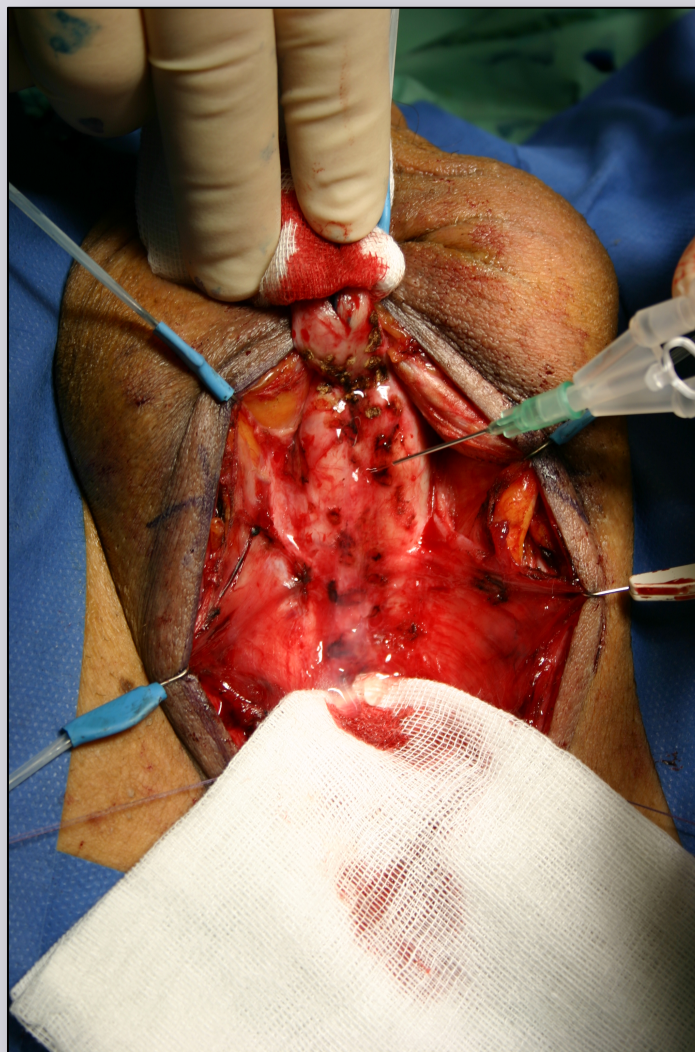
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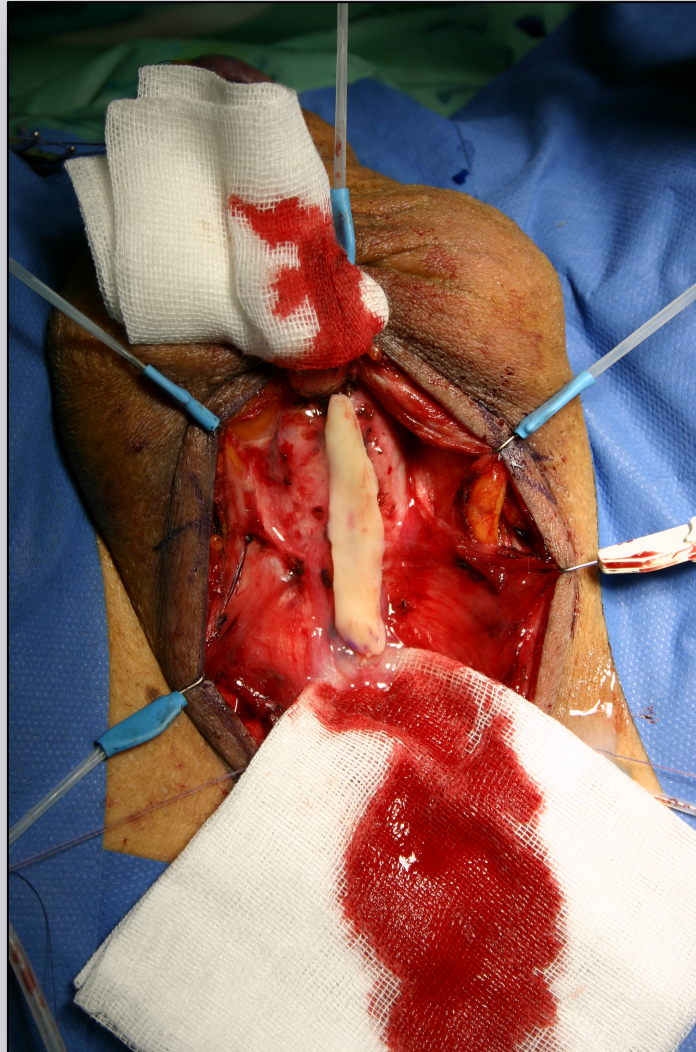
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Augmented anastomotic repair



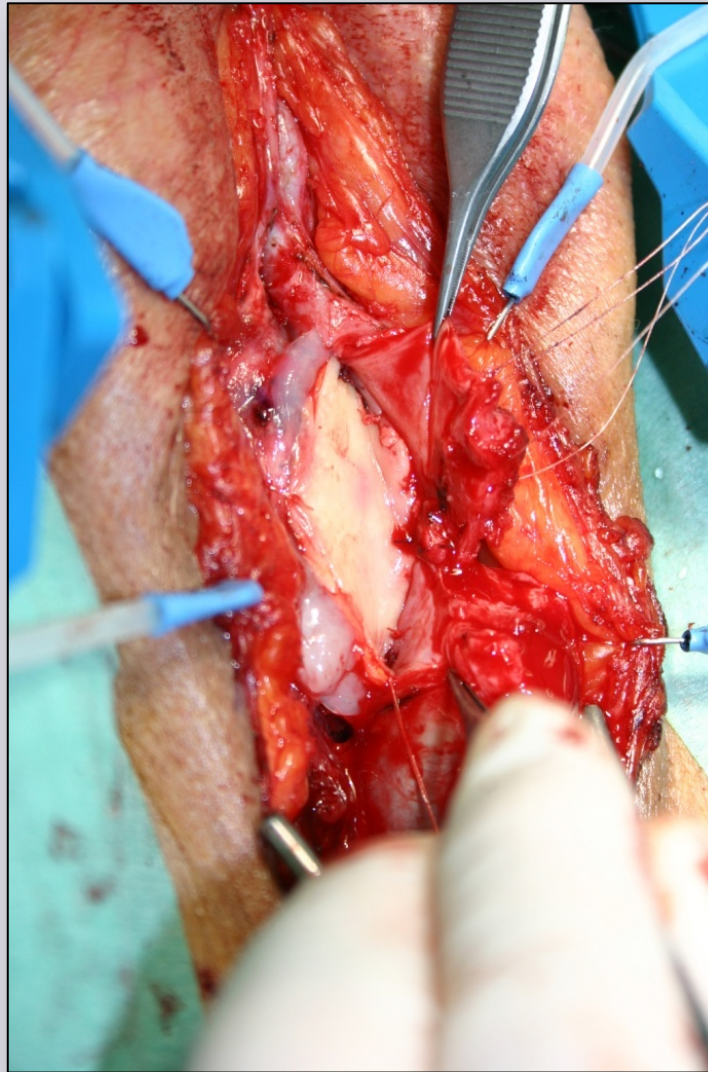
Augmented anastomotic repair



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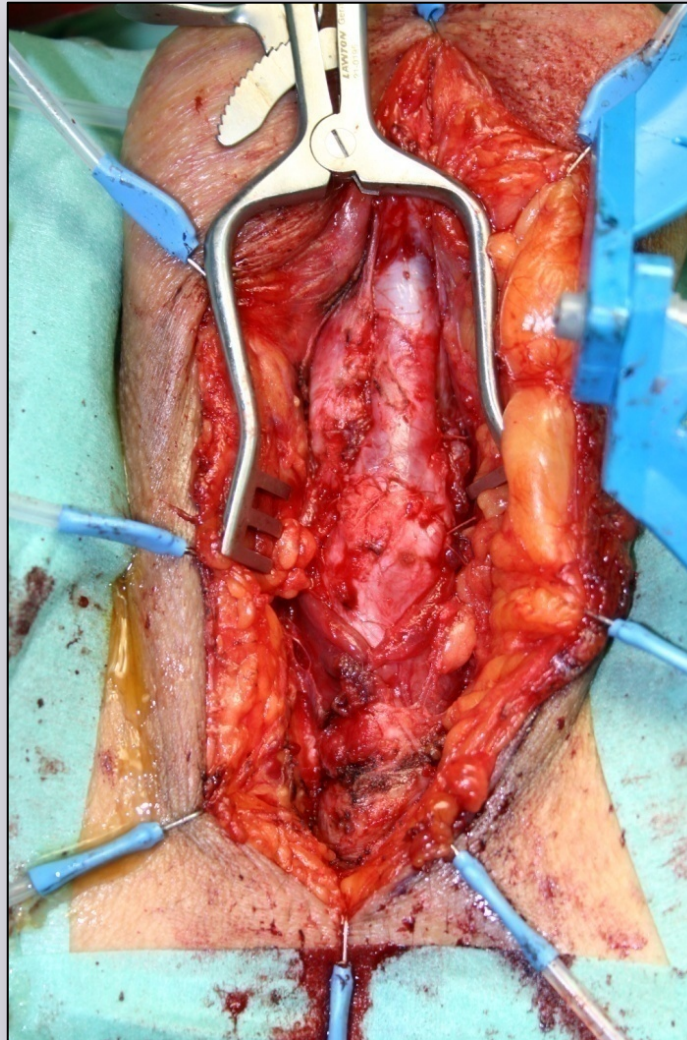
Augmented anastomotic repair



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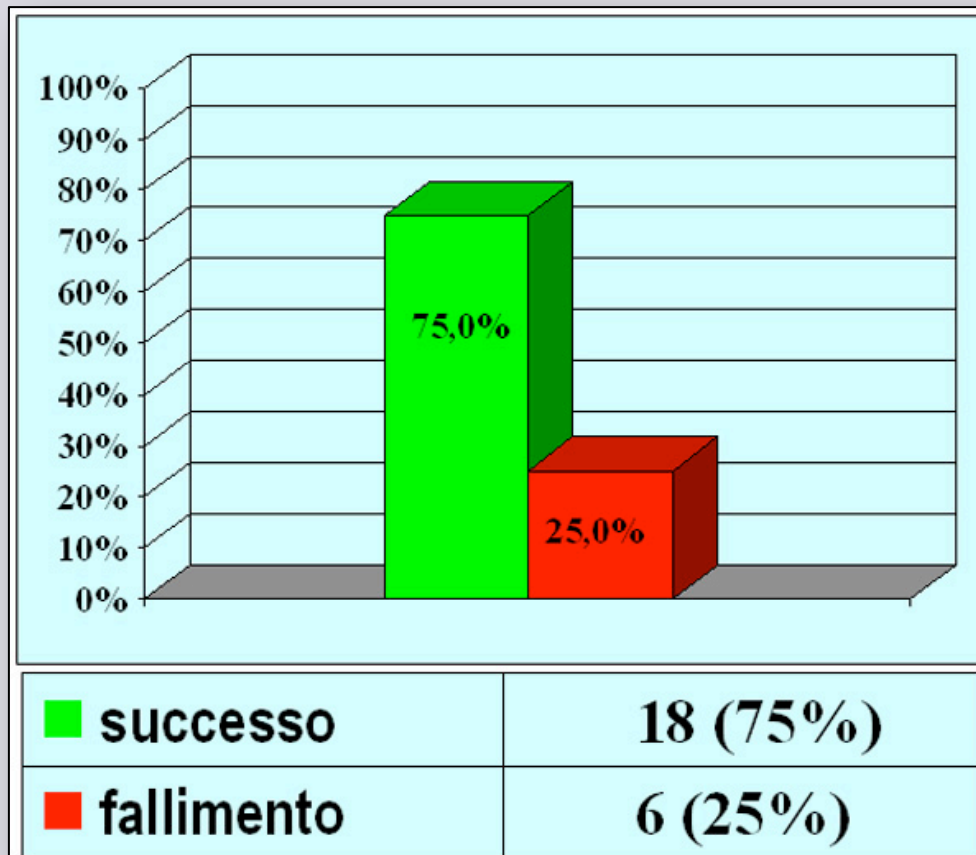
Augmented anastomotic repair



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Our results in 24 patients updated to December 2013



75%
(mean followup
113 months)

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Conclusion



**Using these 2 techniques you are able to repair
all the traumatic bulbar urethral strictures
ranging from 1 to 6 cm.**

Etiology of non-traumatic urethral stricture

Congenital: rare

Idiopathic:

Catheter:

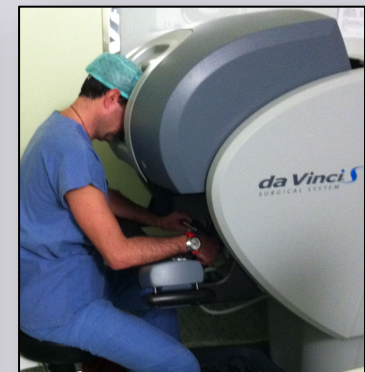
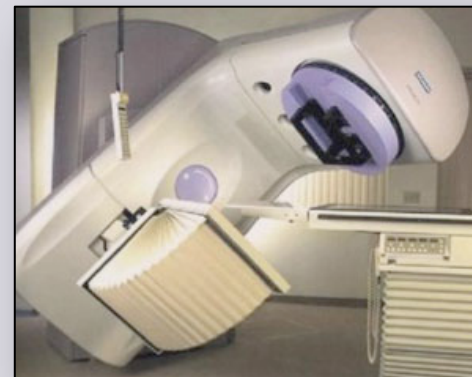
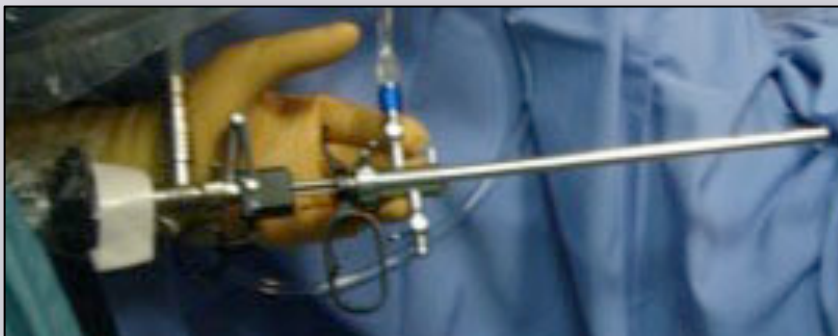
Instrumentation:

Post-radical-prostatectomy:

**frequent in
developed
countries**

Infection: frequent in developing countries

Radiotherapy: frequent in USA



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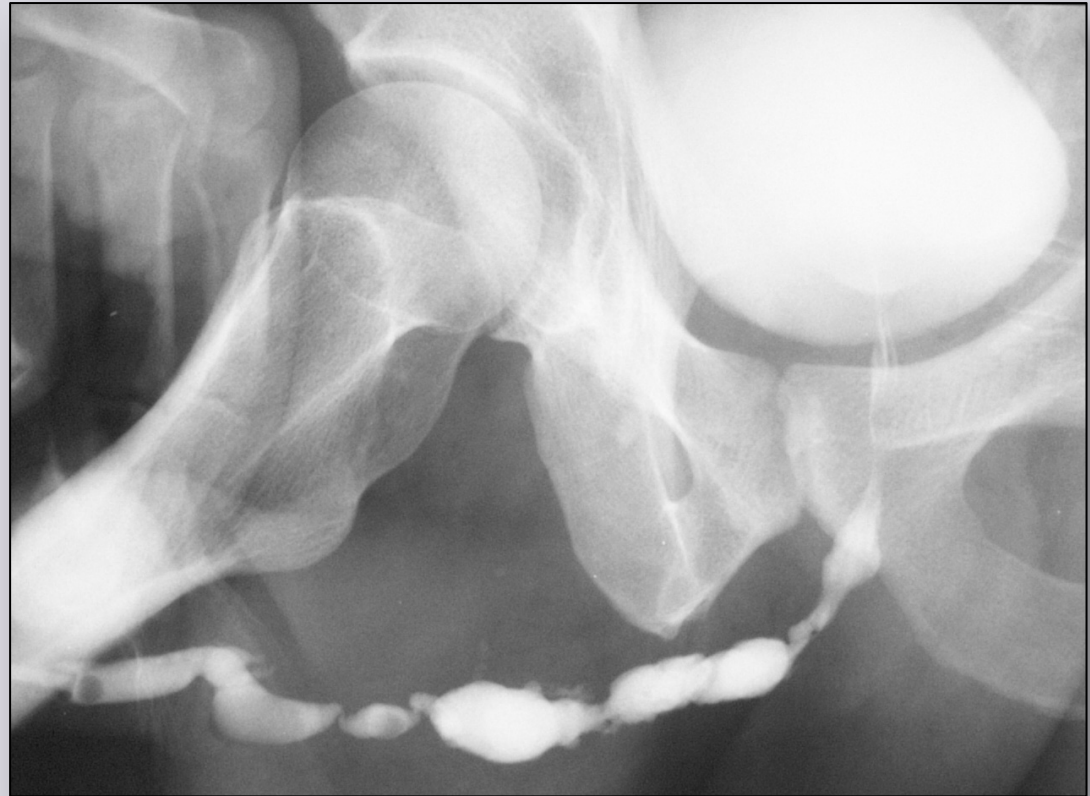
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Failed hypospadias repair



“ Surgery for failed hypospadias repair is a growing industry “
AR. Mundy

Lichen sclerosus



Non-traumatic bulbar urethral stricture

Whic type of graft repair ?



Stricture site

Distal



Dorsal

Proximal



Ventral

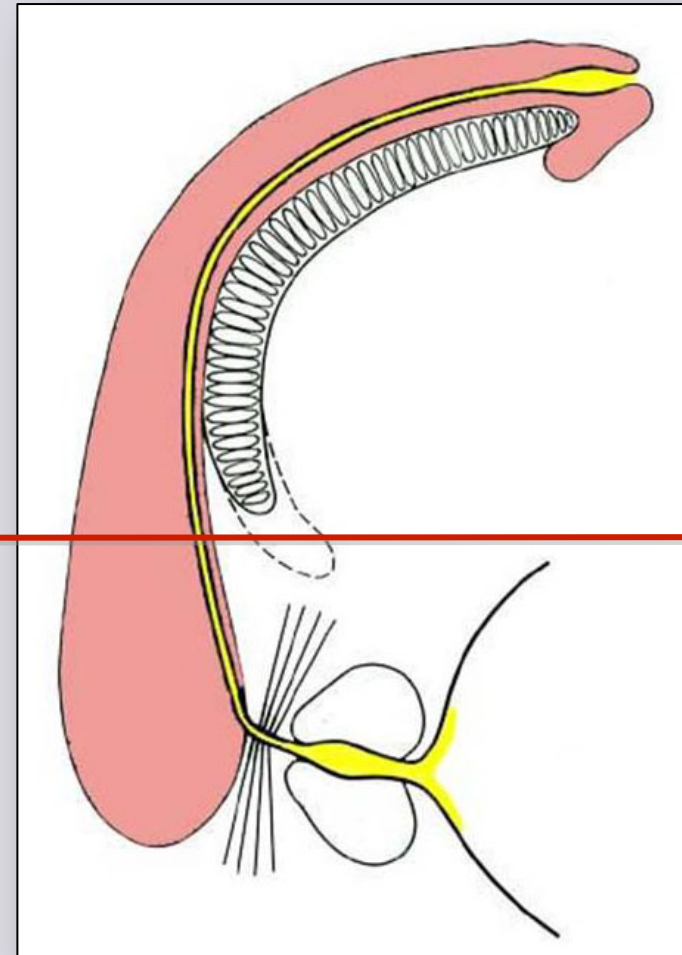
Ventral or dorsal graft?



Distal
Dorsal onlay



Proximal
Ventral onlay

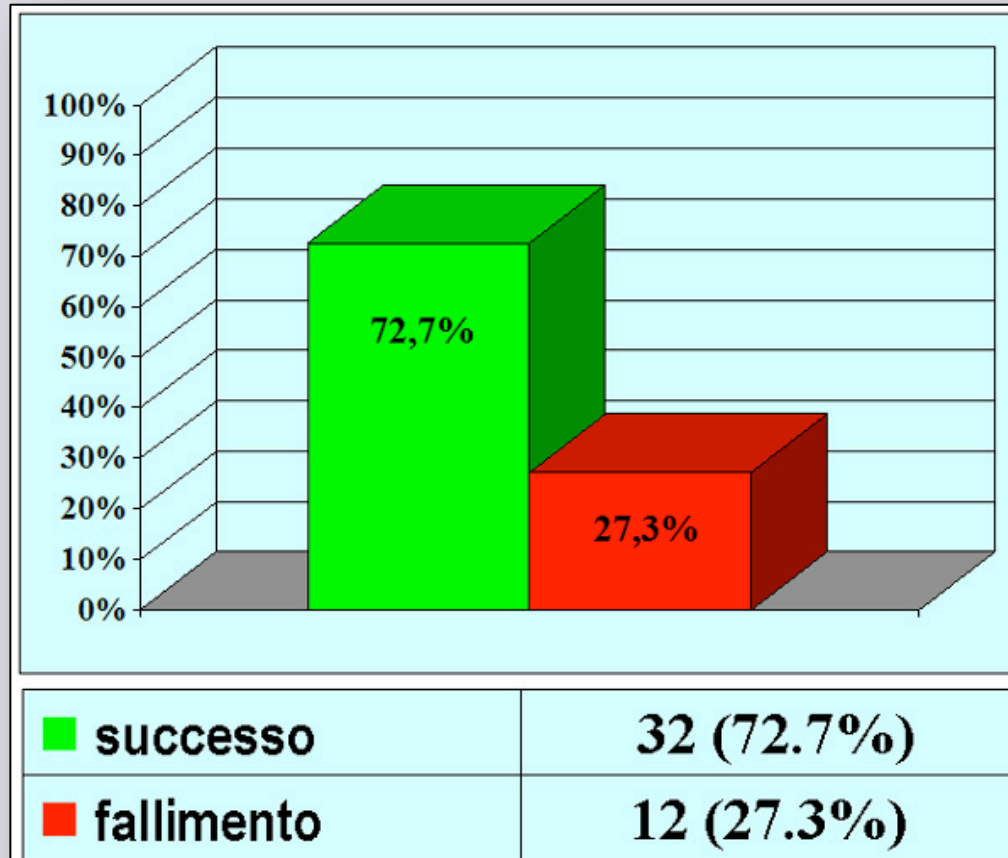


One-stage dorsal urethroplasty

VIDEO

BULBAR BARBAGLI

Our results in 44 patients updated to December 2013



72.7%
(mean followup
68 months)

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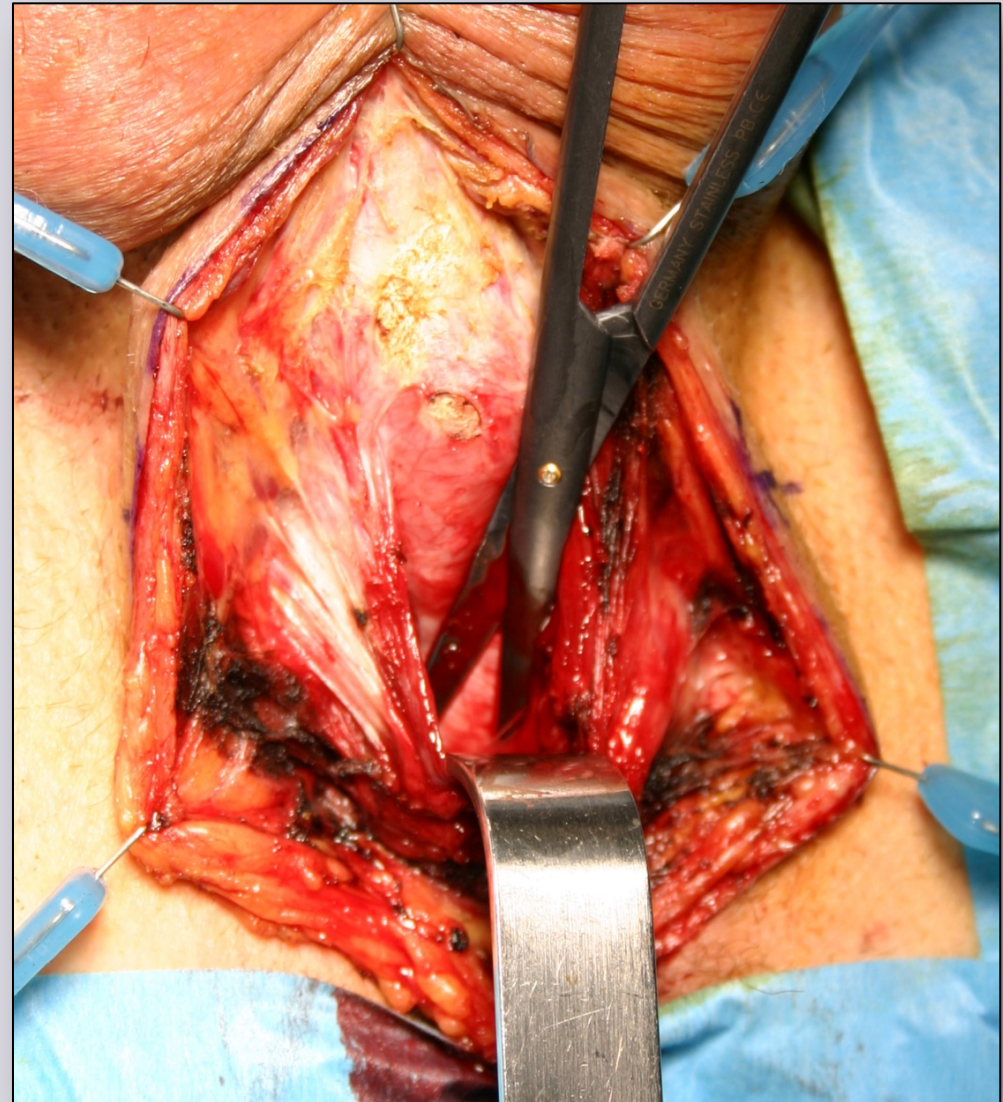
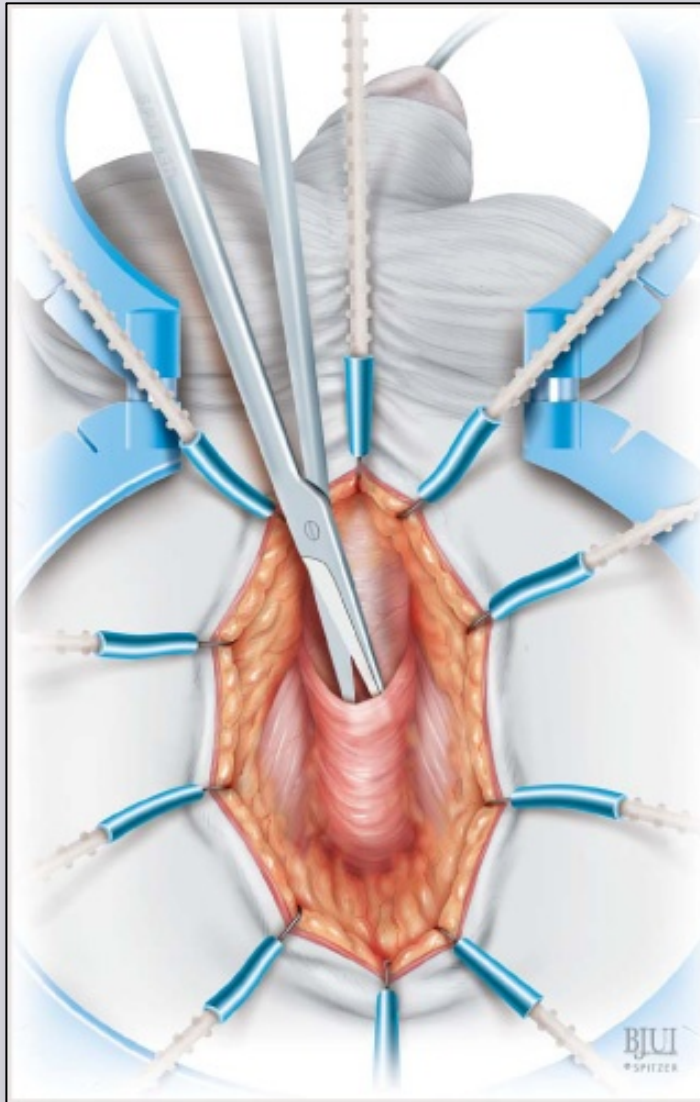
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How to do bulbar ventral onlay graft urethroplasty

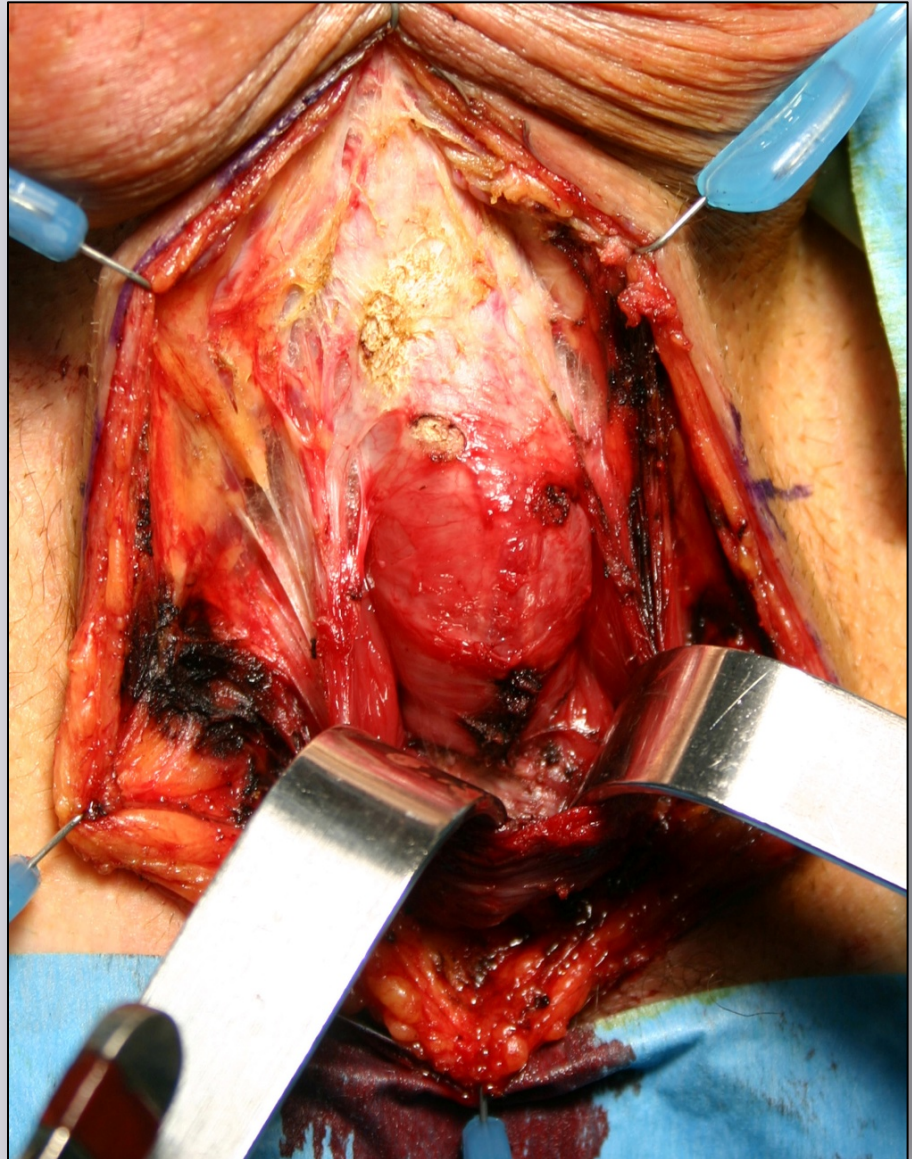
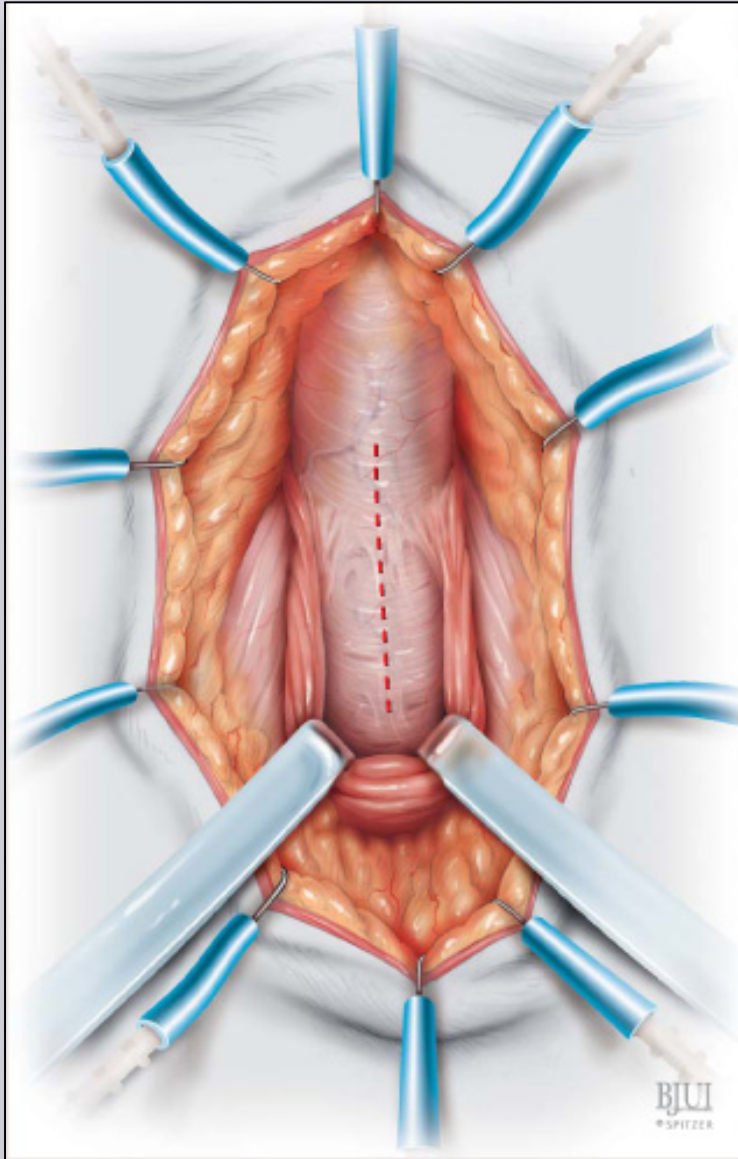
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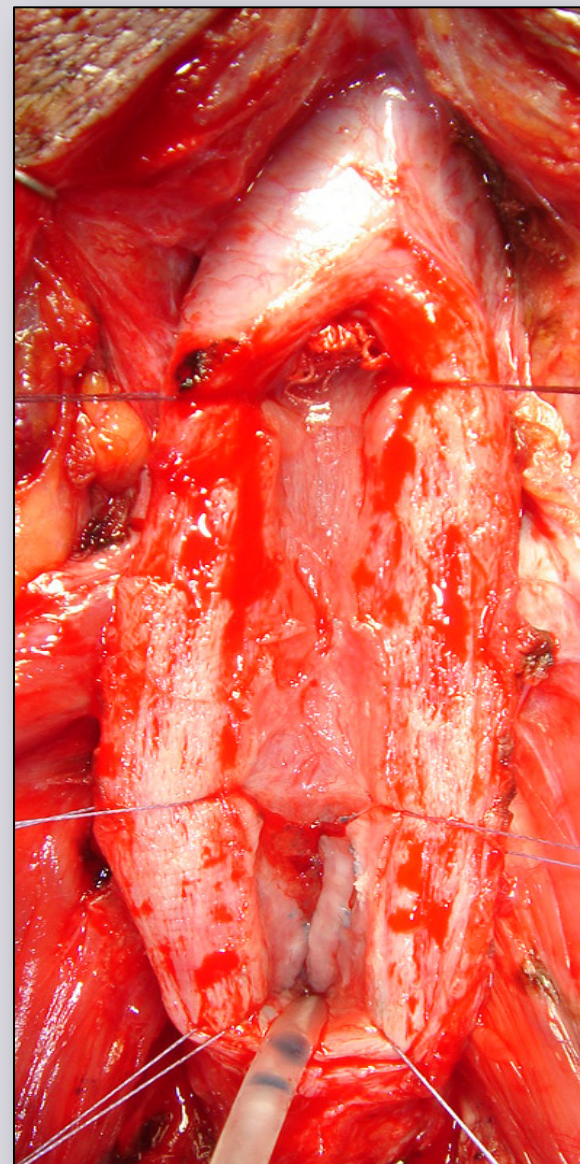
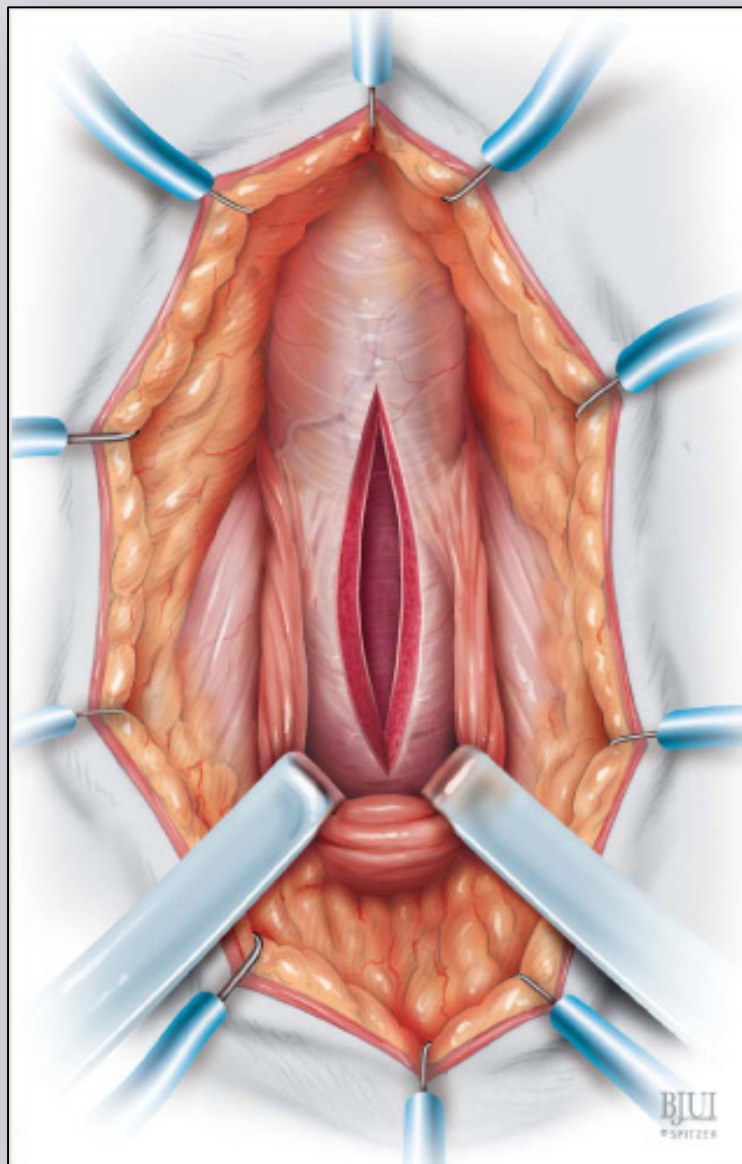
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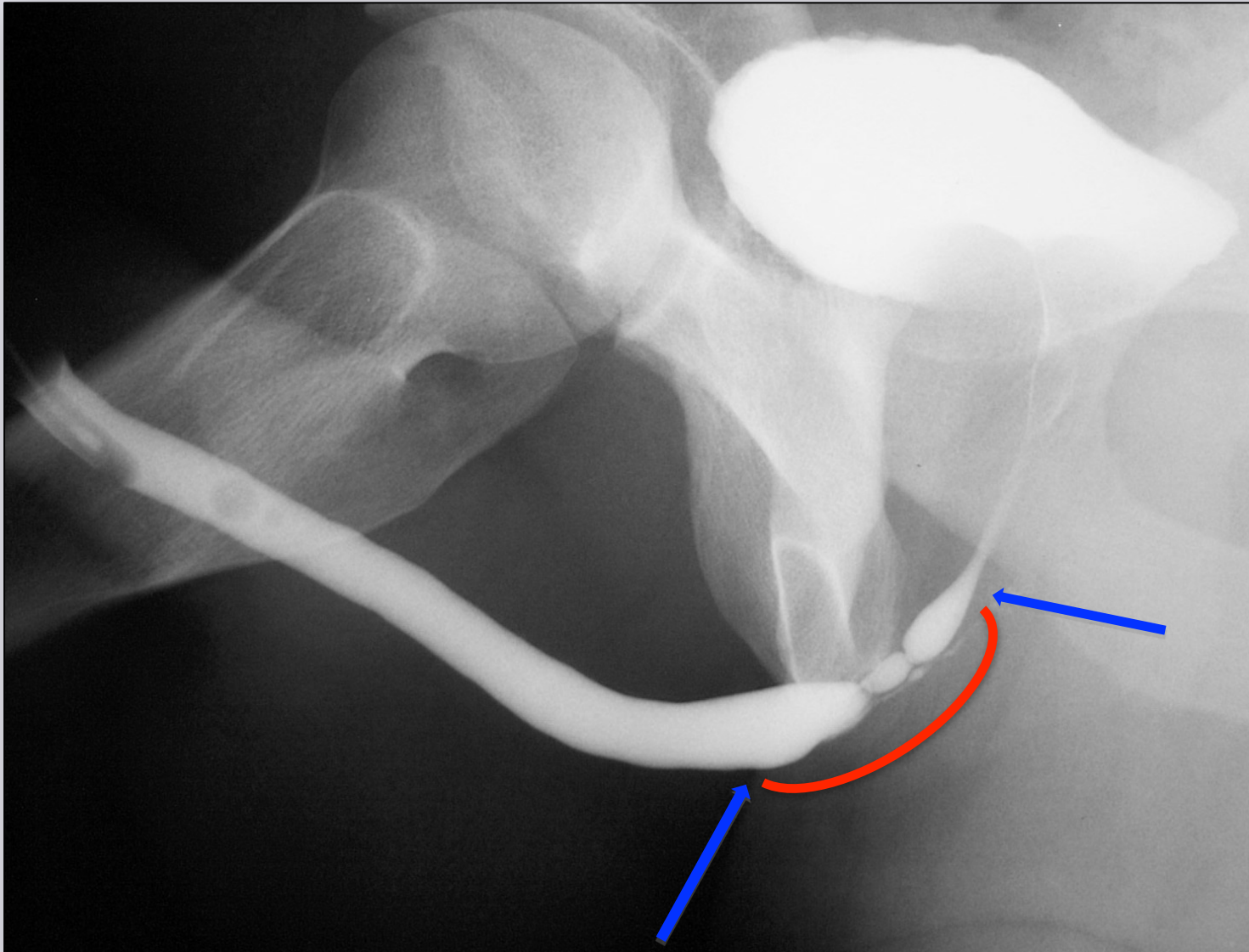
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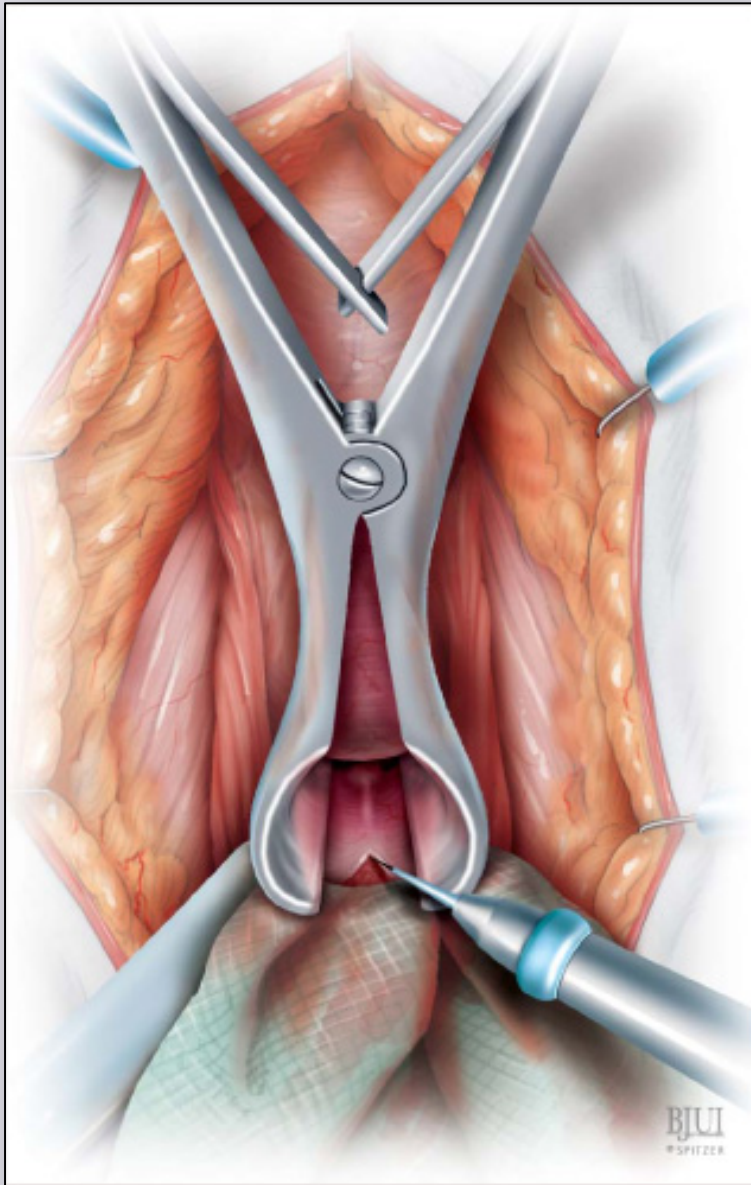
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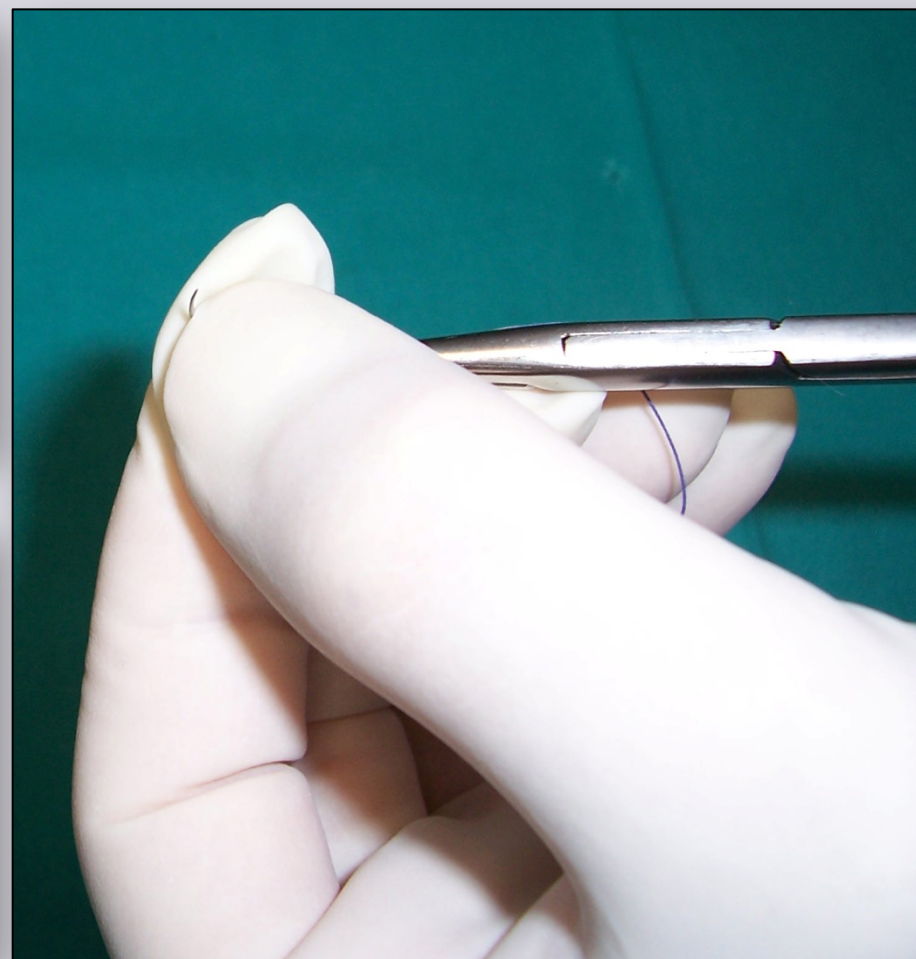
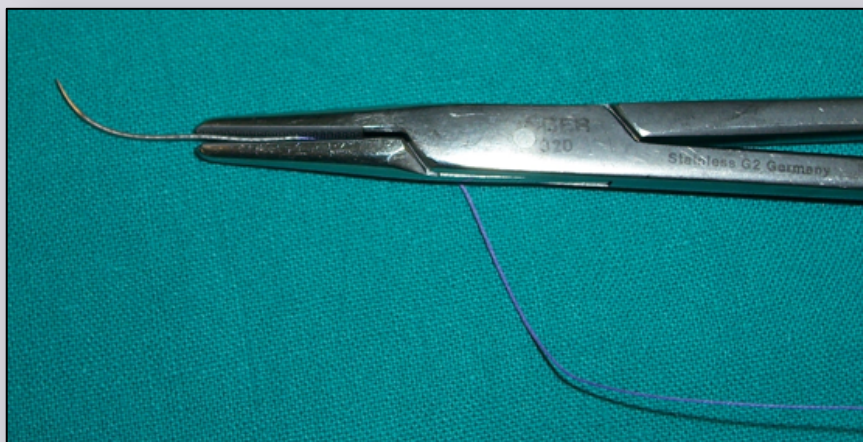
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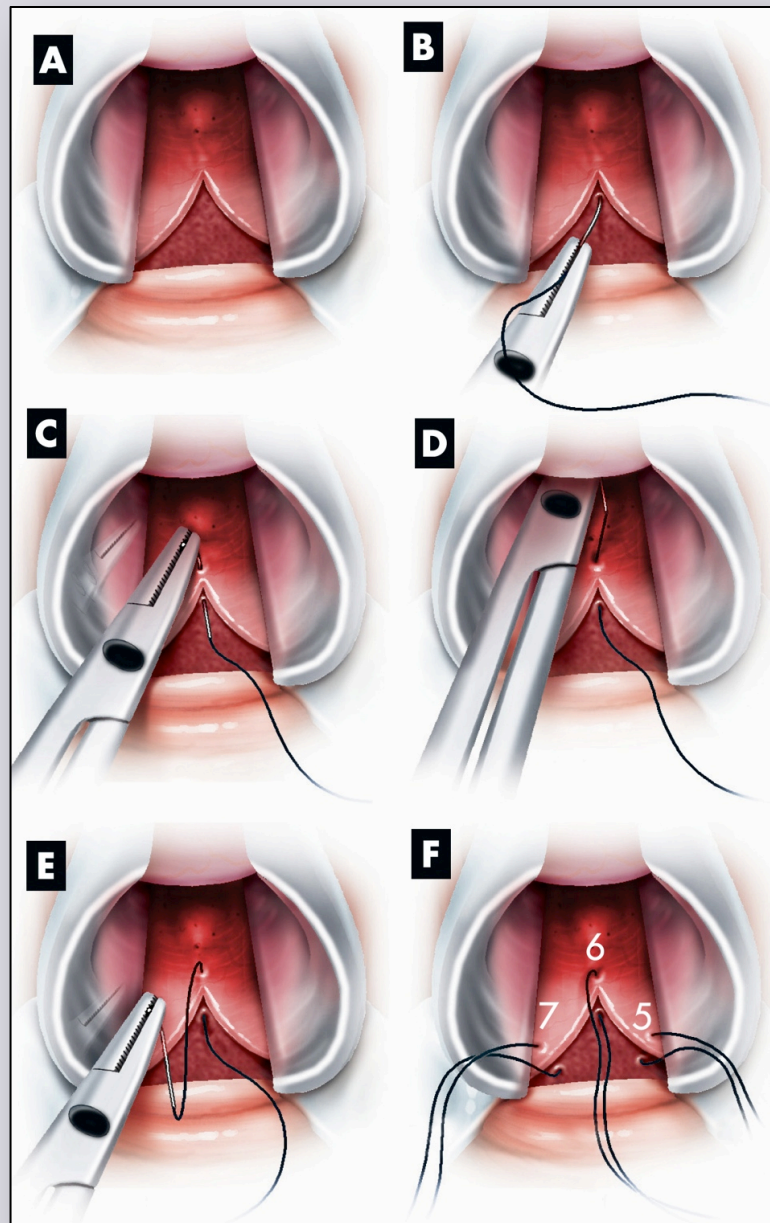
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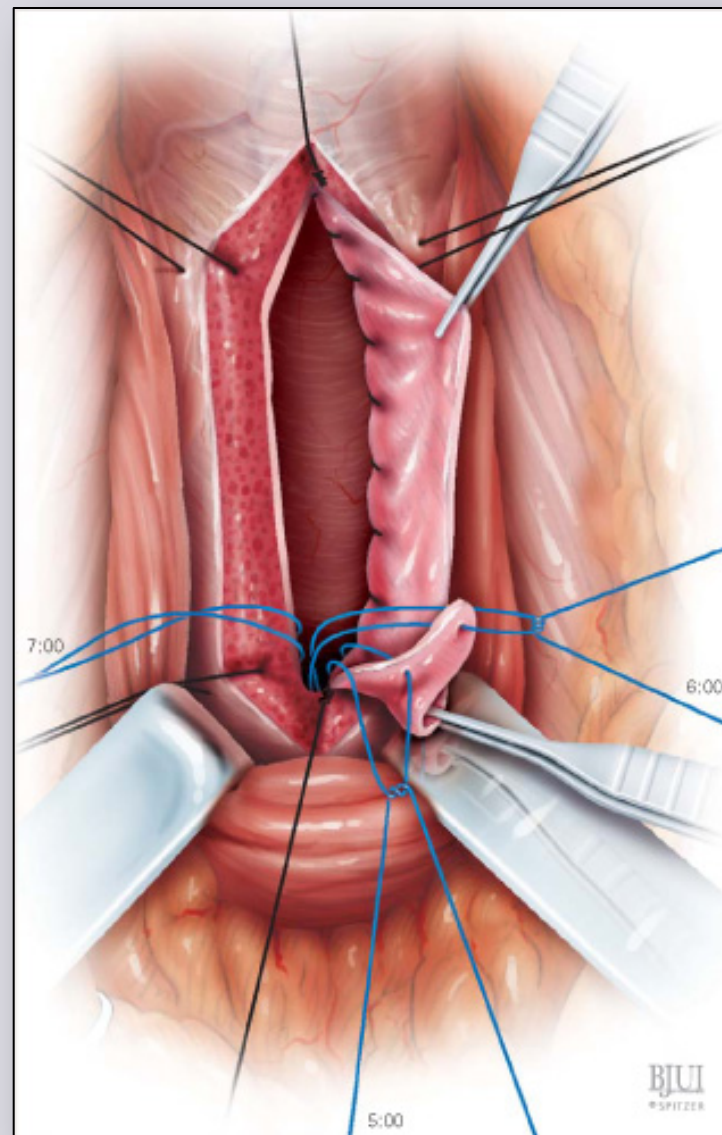
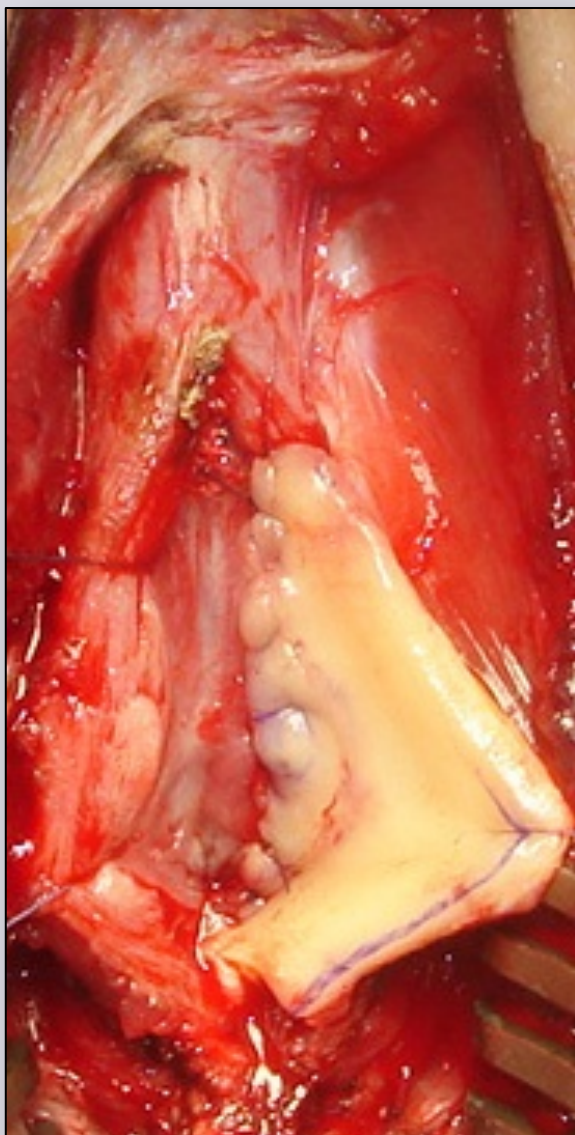
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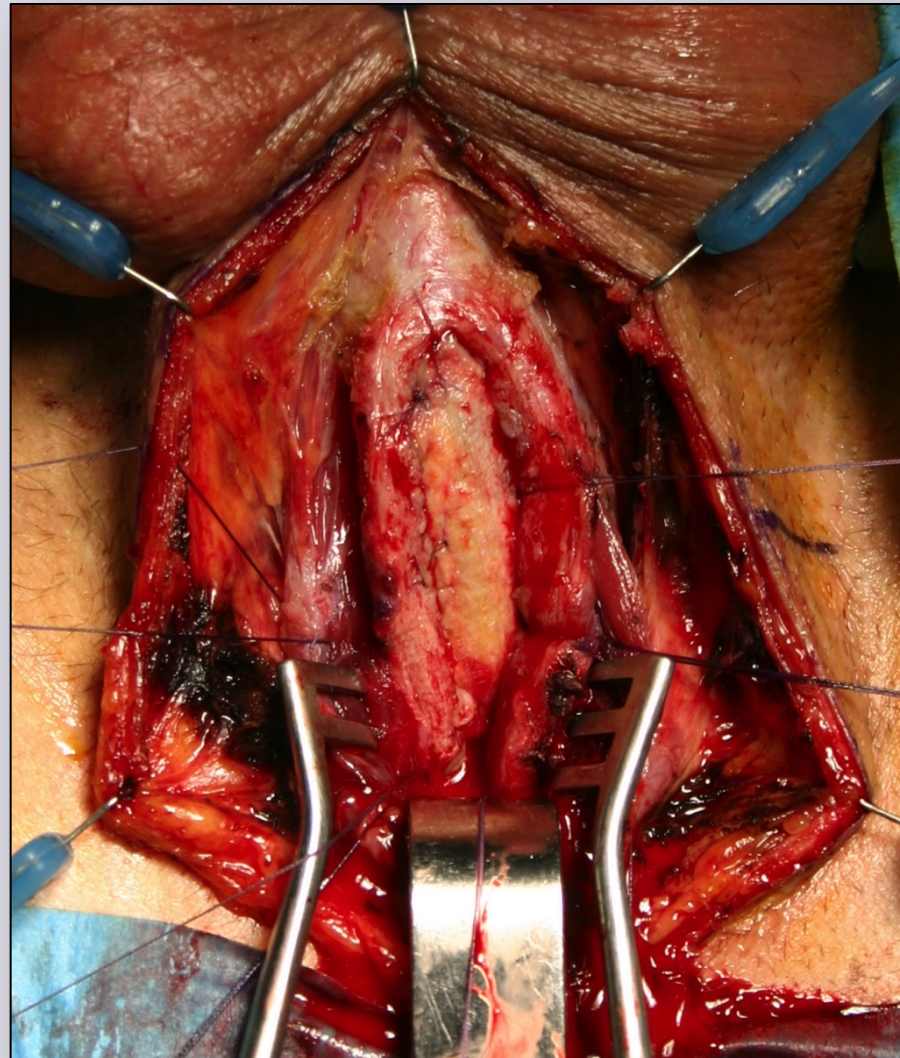
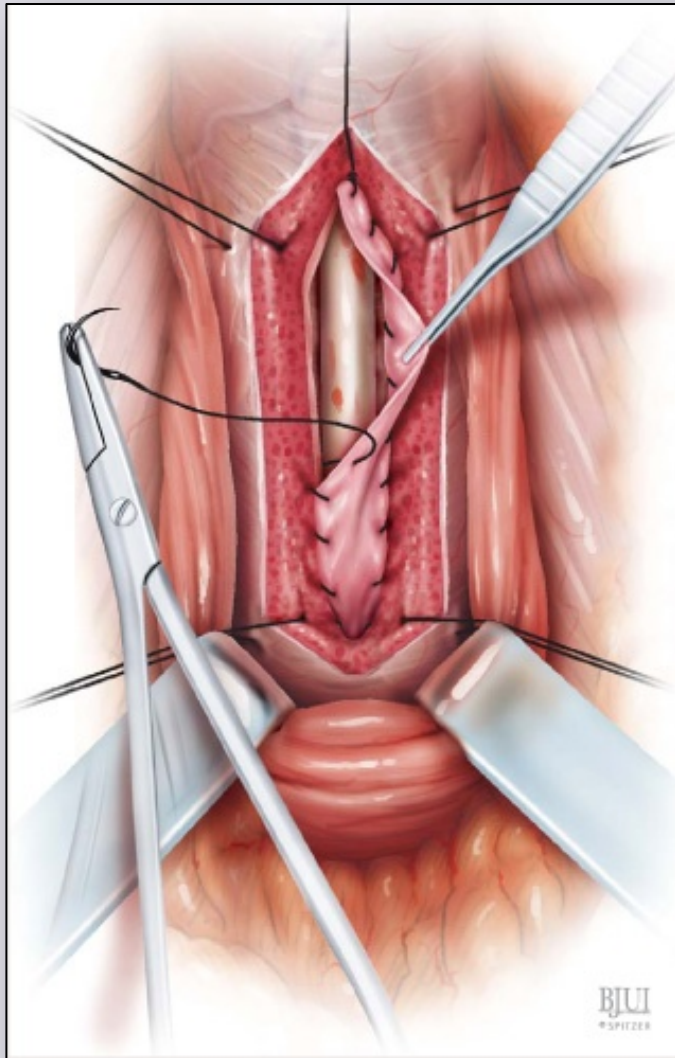
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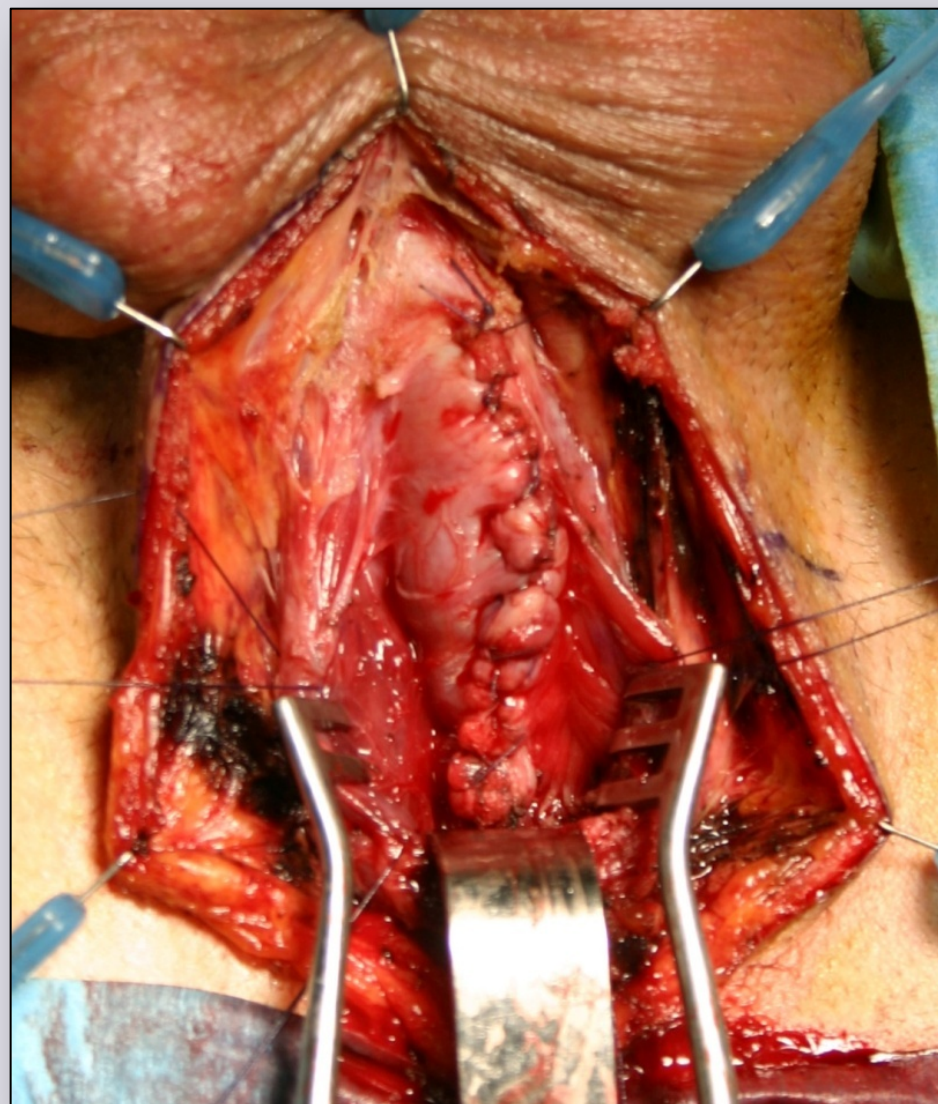
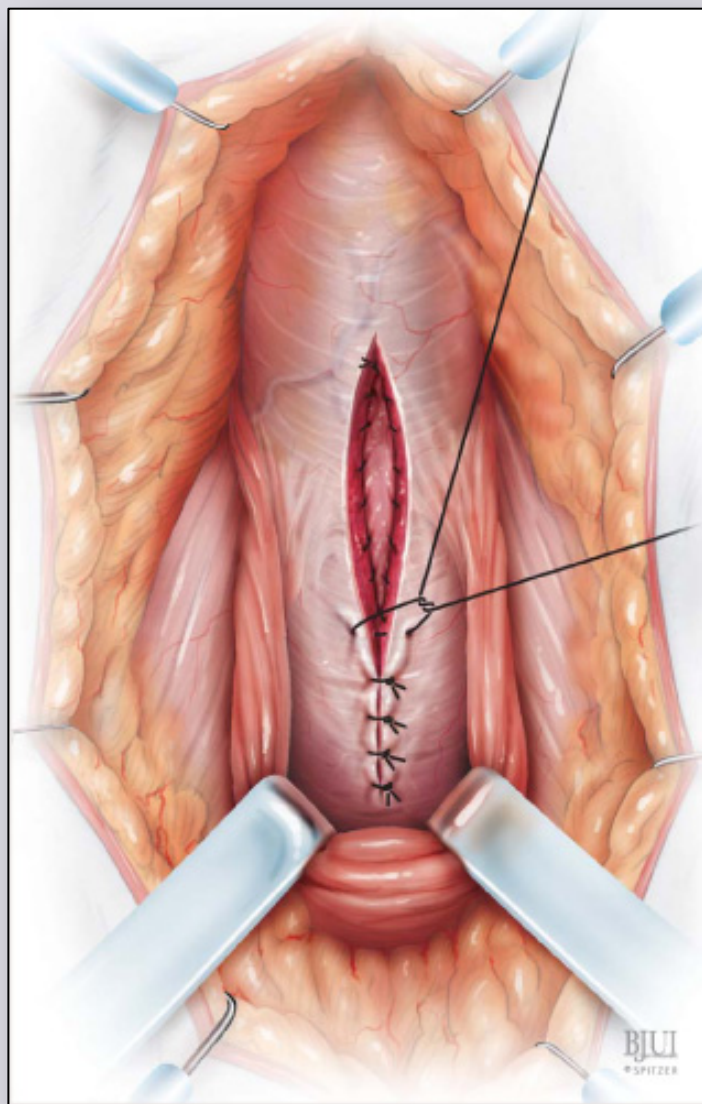
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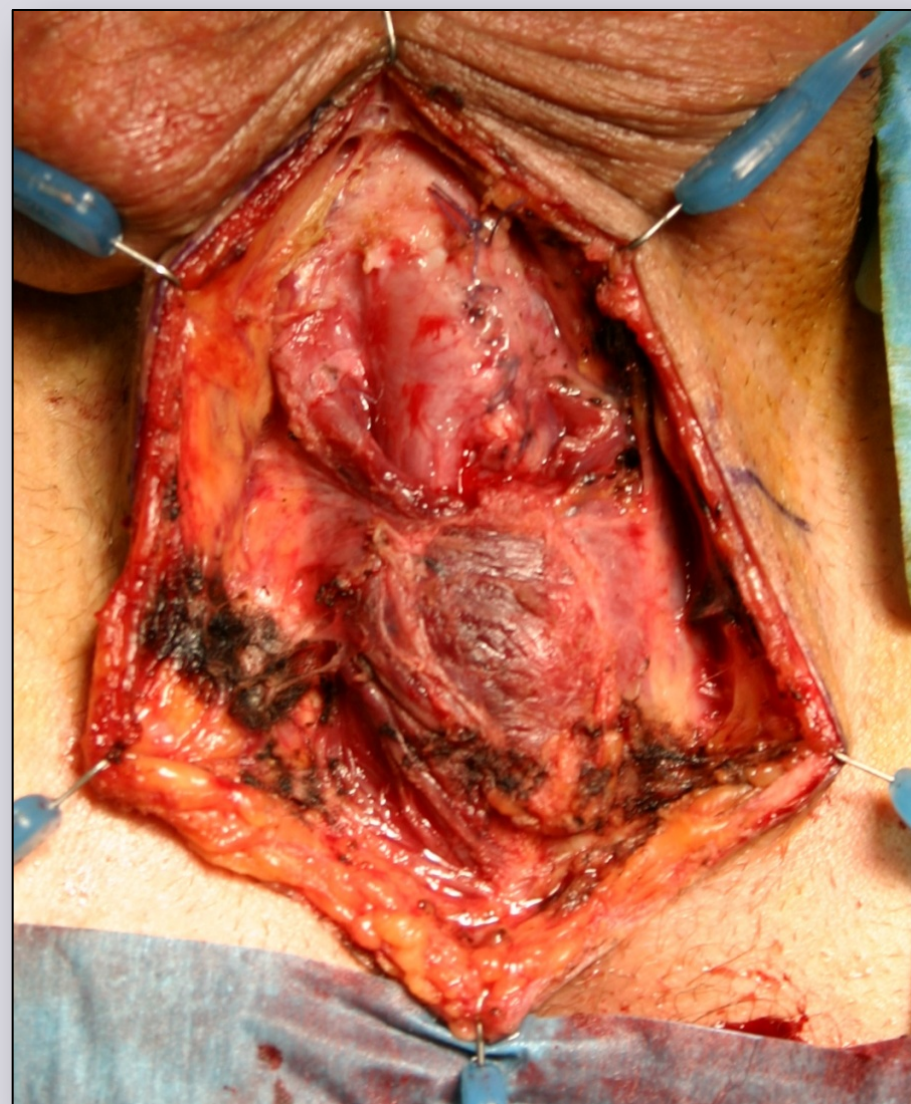
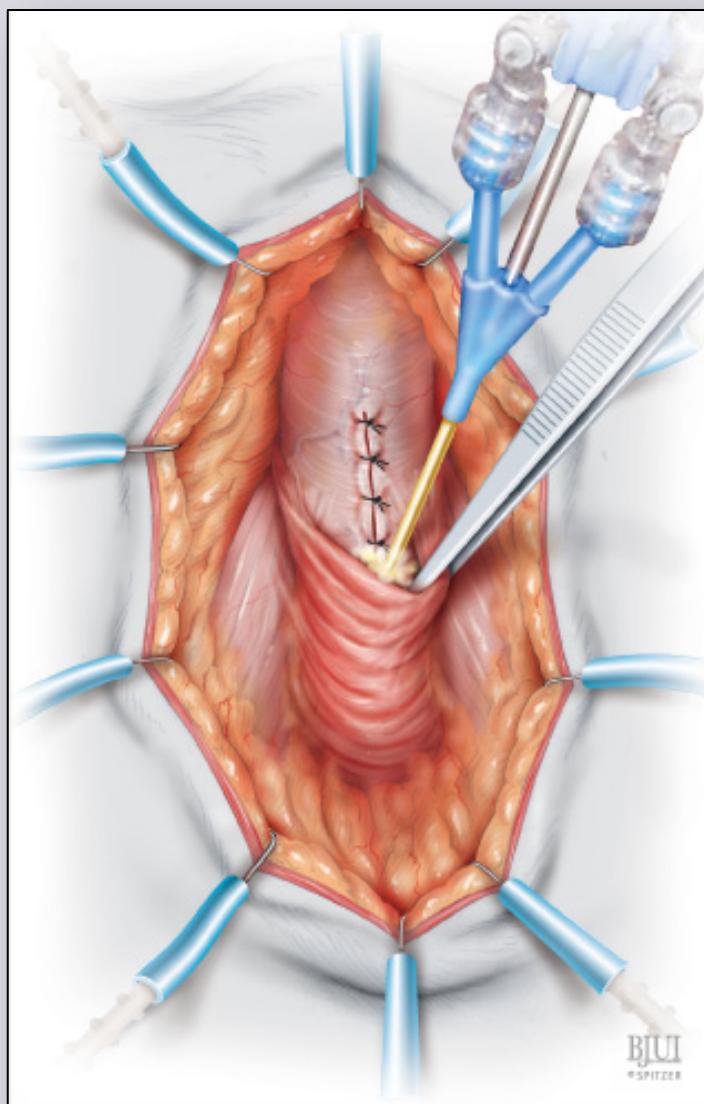
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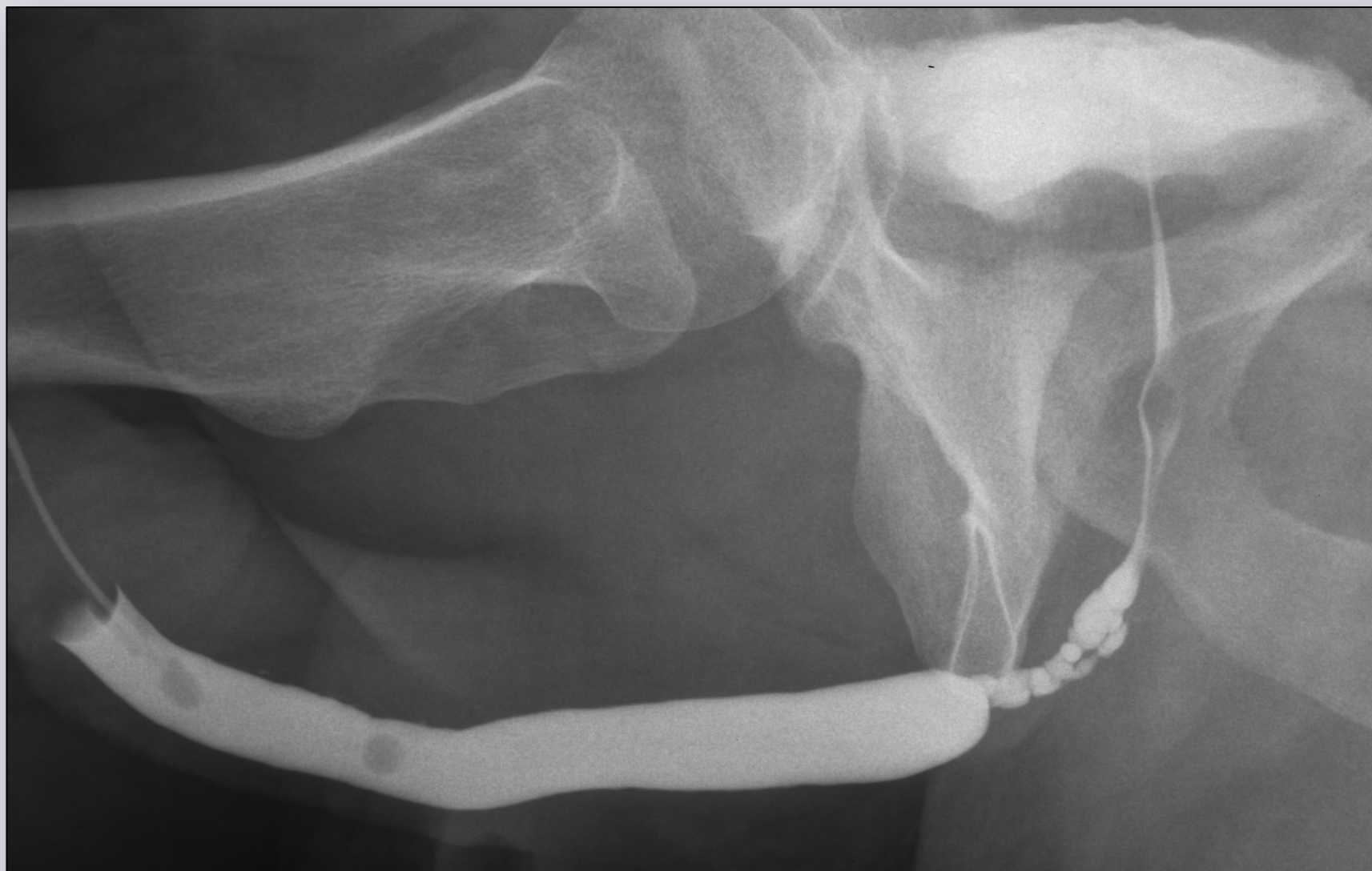
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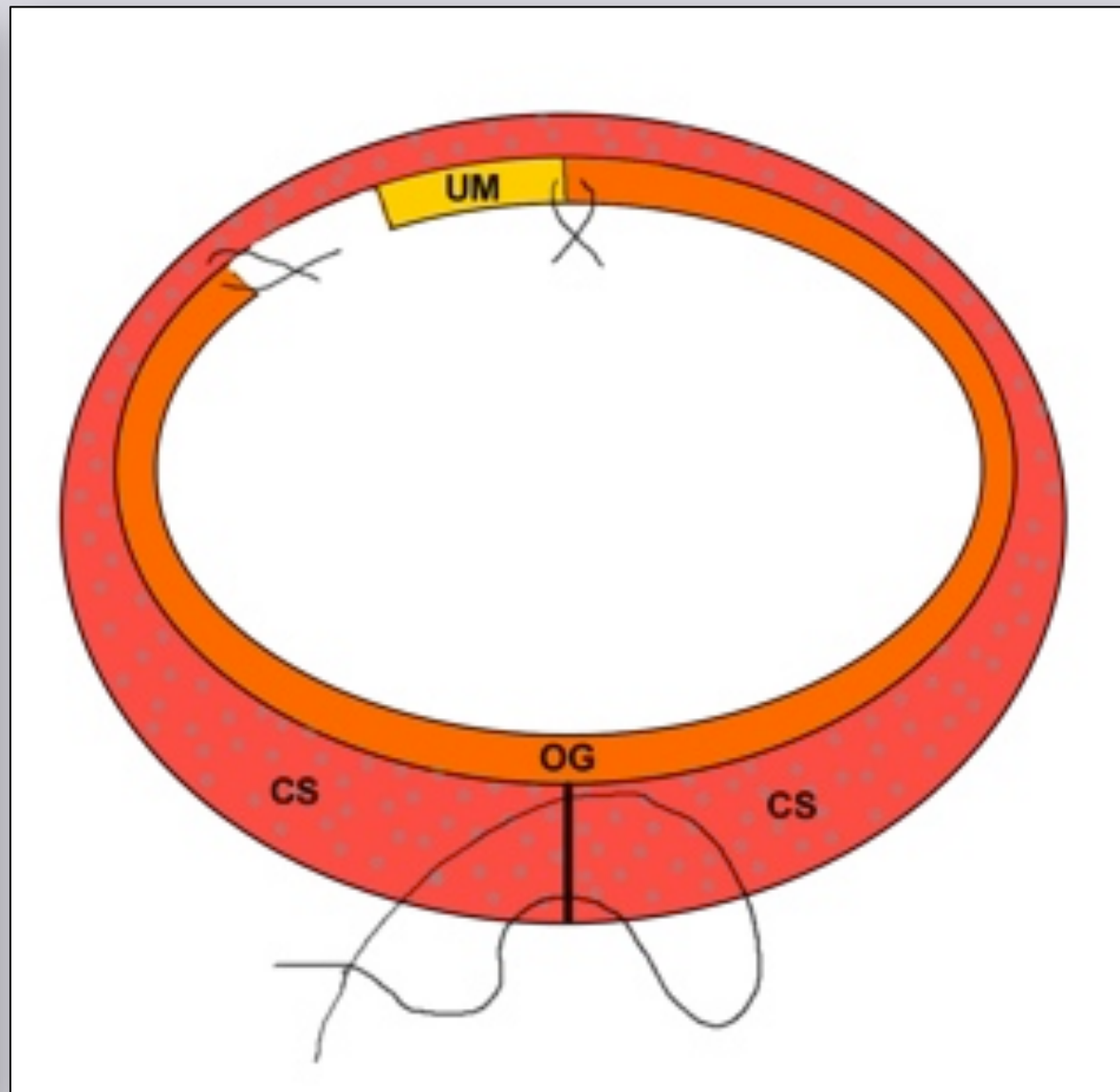
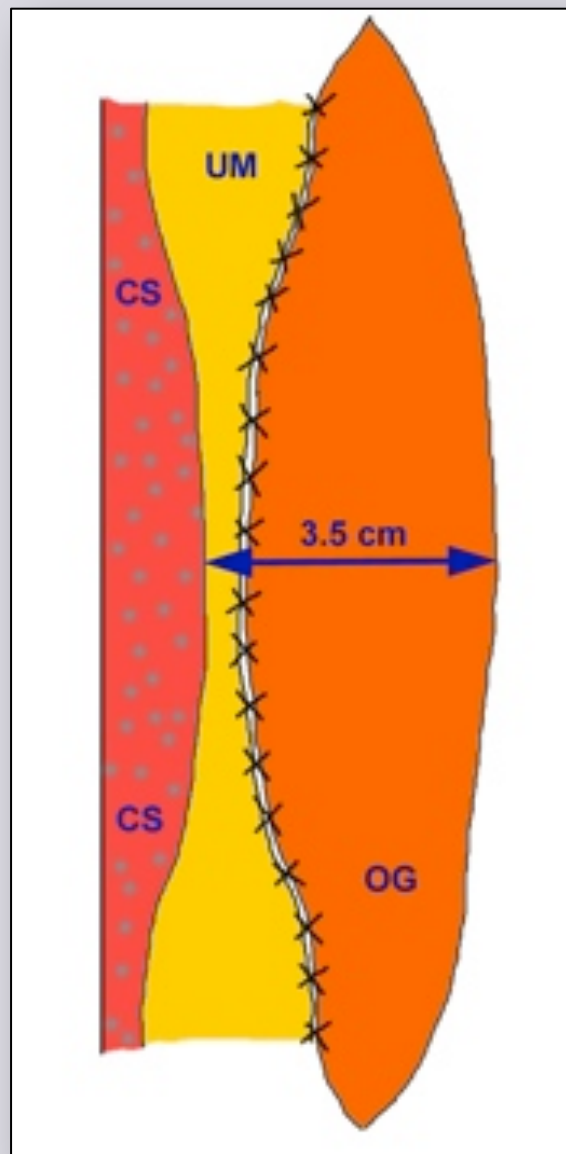
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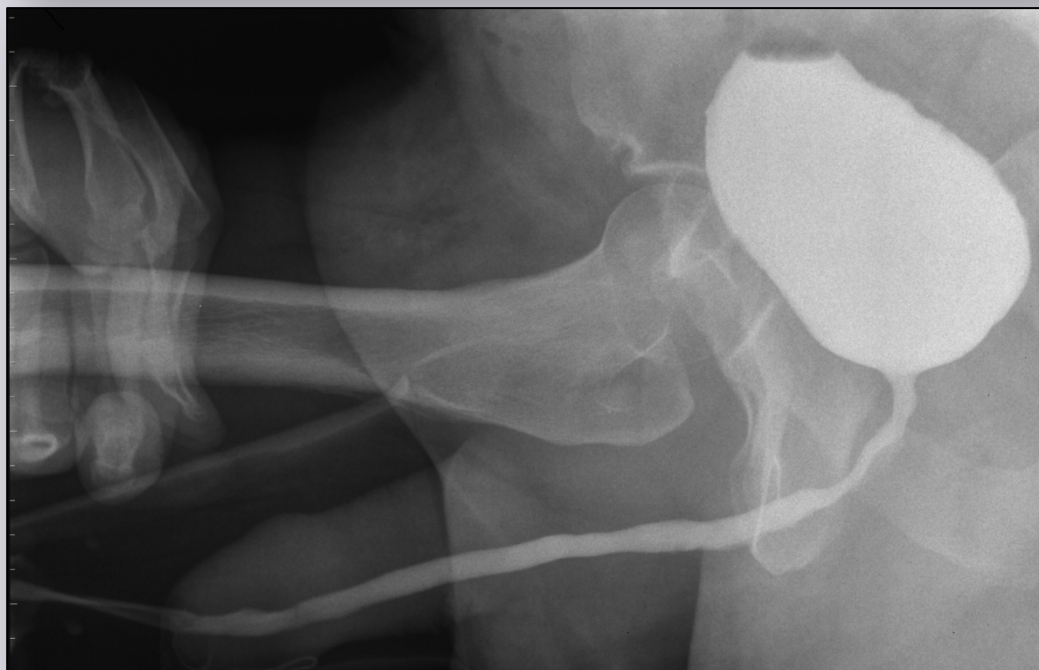


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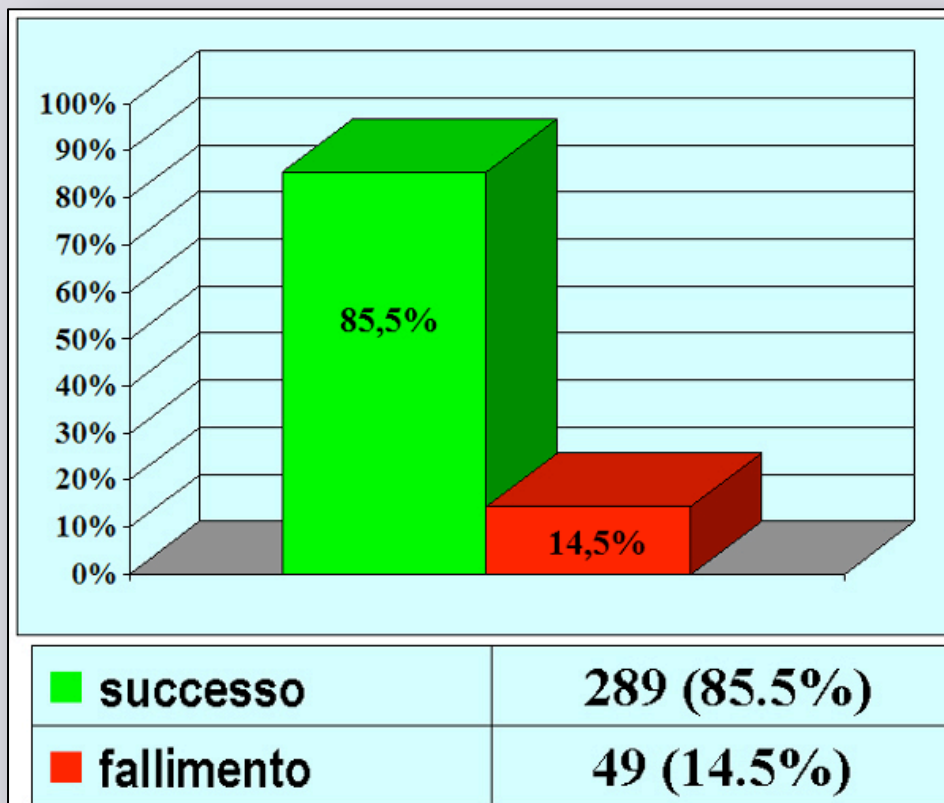




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85.5%
(mean followup
63 months)

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Perineal urethrostomy

VIDEO

PERINEOSTOMY



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