

CENTER FOR RECONSTRUCTIVE URETHRAL SURGERY



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ESGURS16

8th Meeting of the EAU Section of Genito-Urinary Reconstructive Surgeons

In conjunction with the Spanish Genito-Urinary Reconstructive Surgery Group (CRU-AEU)

7-8 October 2016, Madrid, Spain

www.esgurs16.org

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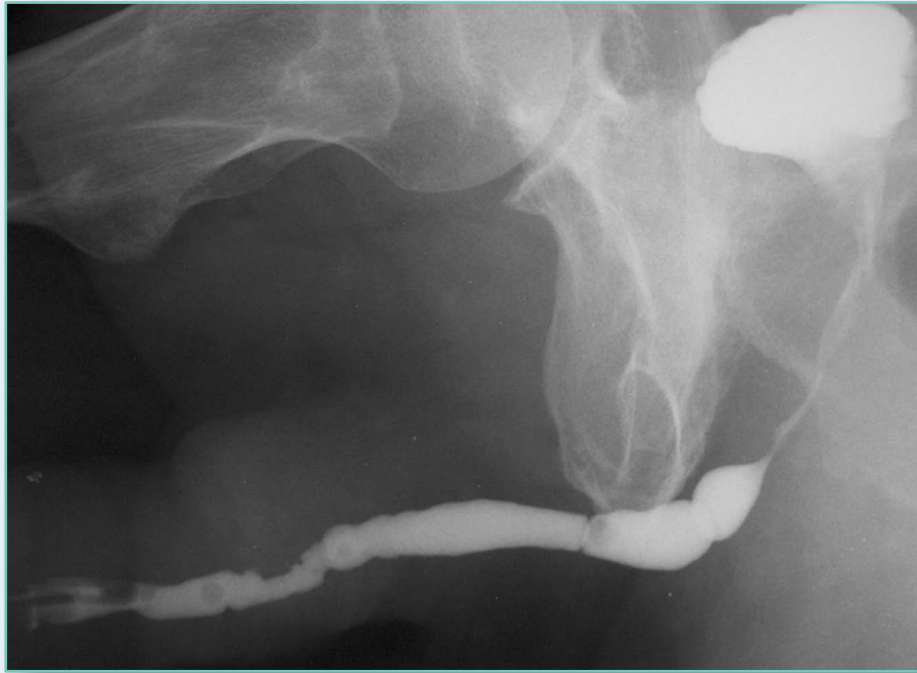
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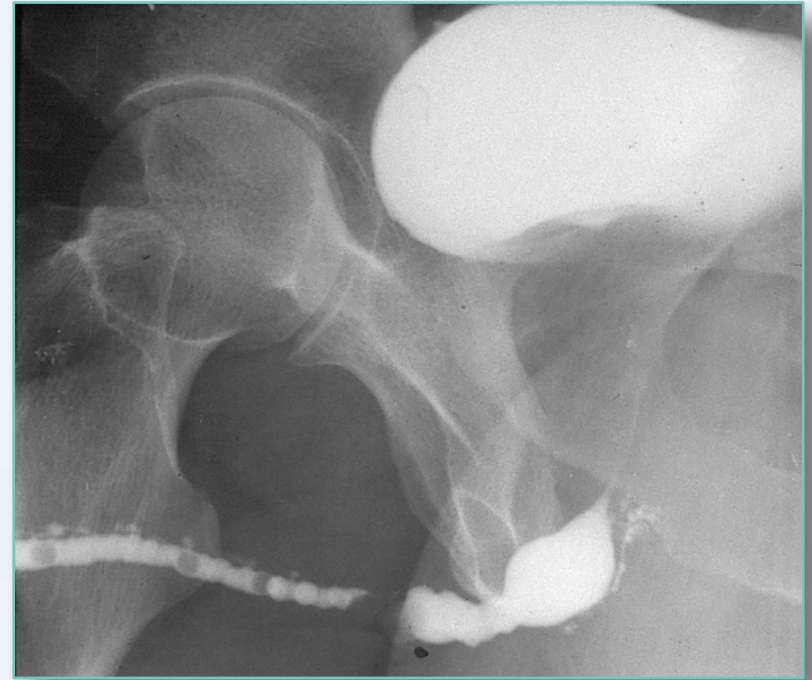
**Complex pan-urethral strictures.
Urethroplasty vs. perineostomy.
Benefits, risks and results.**



Etiology of panurethral strictures



Catheter – Instrumentation - Infection



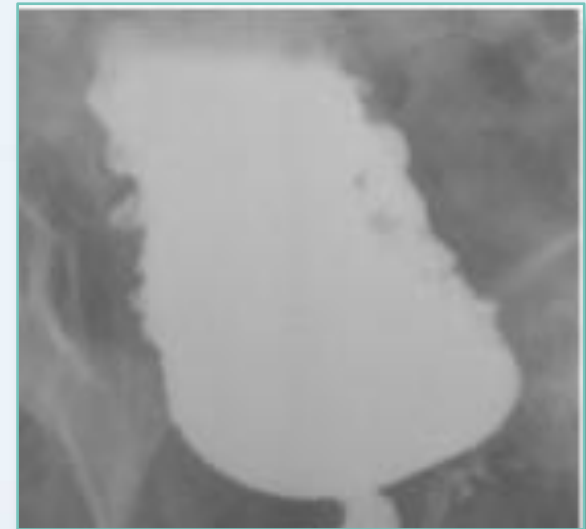
Lichen sclerosus

Perineostomy vs Urethroplasty



What is a panurethral stricture ?

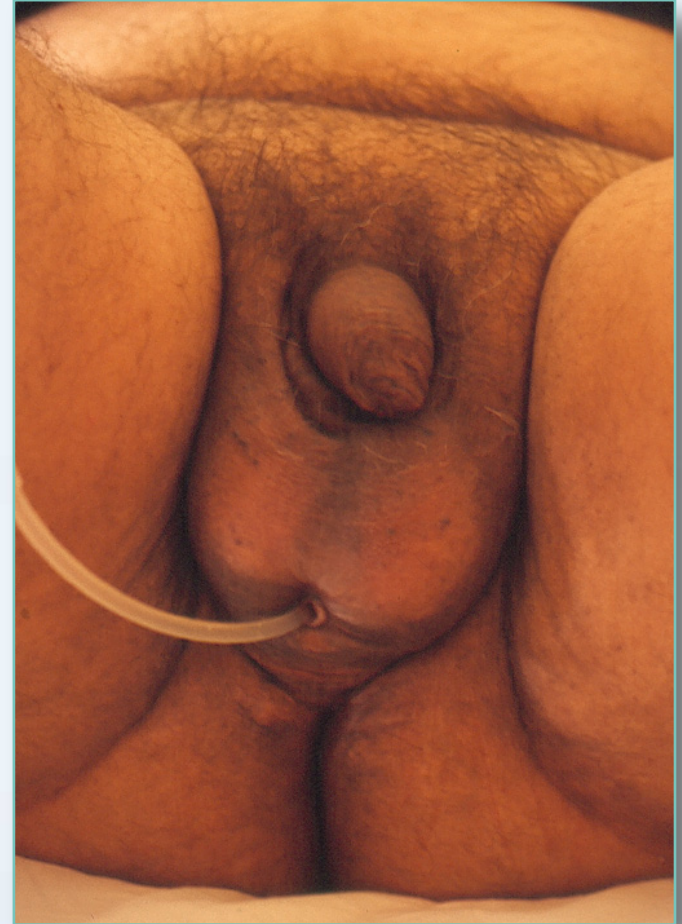
Panurethral stricture represents a **longstanding, chronic, evolutive disease**, greatly influencing, over time, the bladder morphology and function !!!



Perineostomy vs Urethroplasty

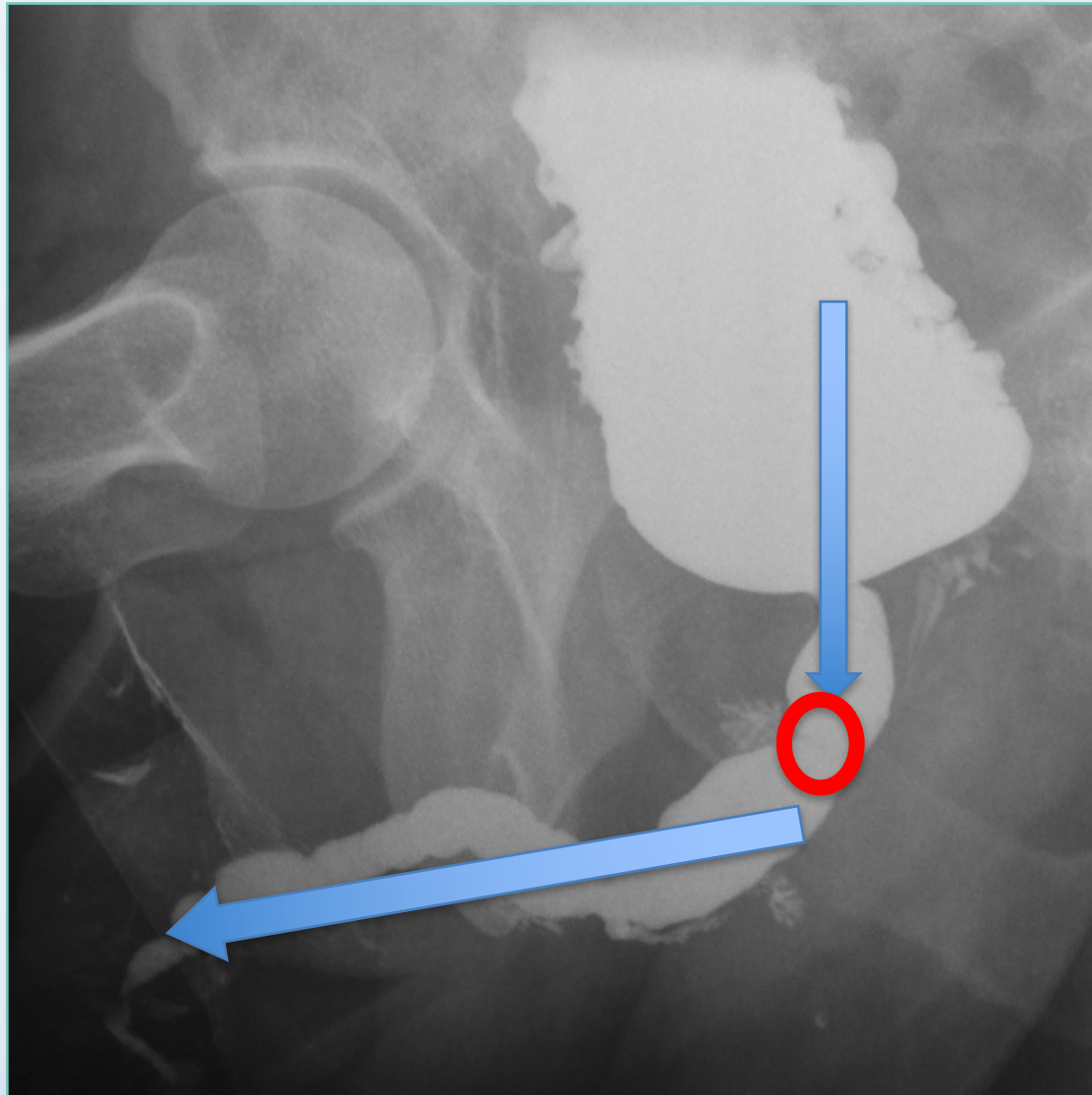


Perineostomy is not a hole into perineum !!!



Perineostomy is to convert male urethra into female urethra !!!





Perineostomy: when?

Age

General condition and associated diseases

Psychologically stable patient

Superficial recurrent bladder tumor

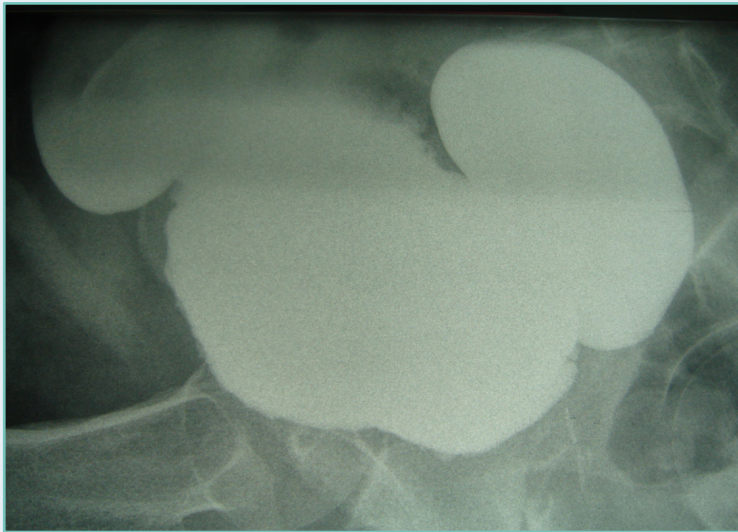
Bladder diverticula

High capacity bladder

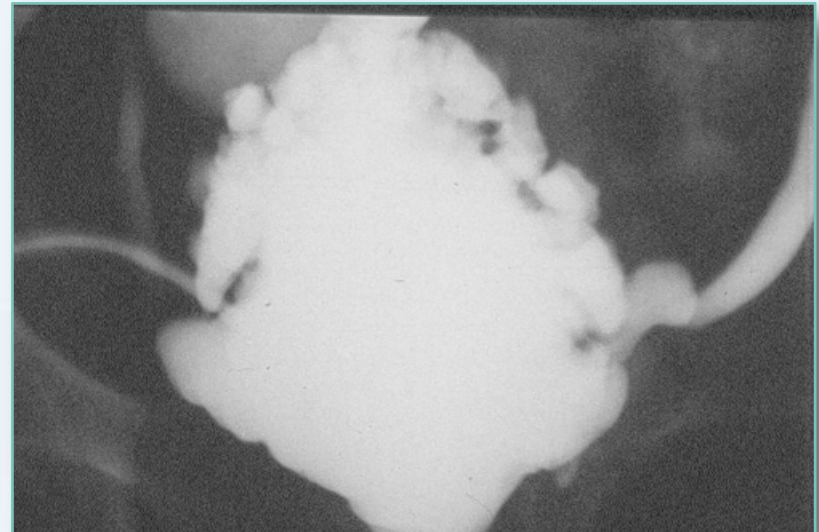
Decompensated bladder

Previous multiple failed urethroplasties



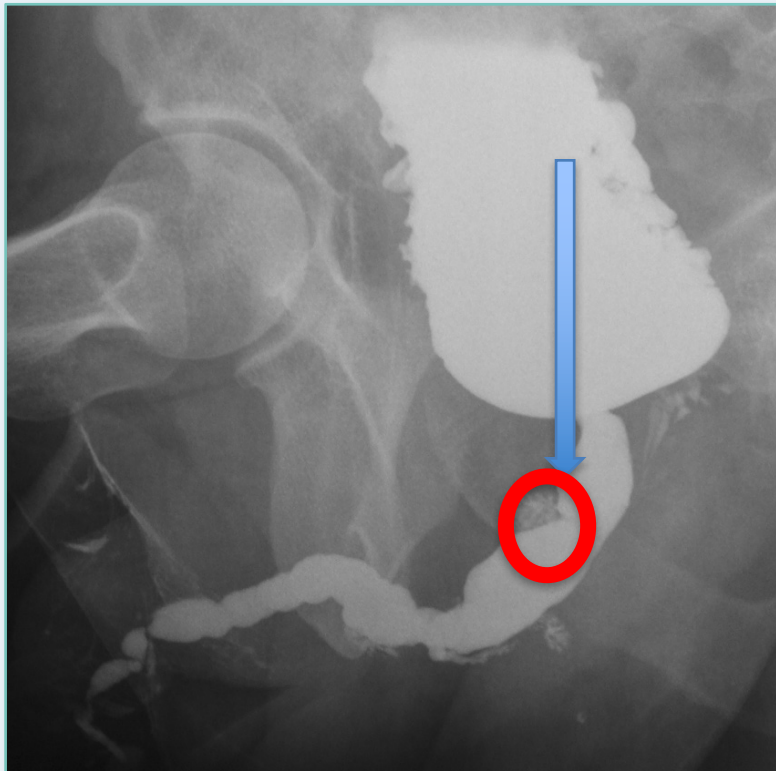


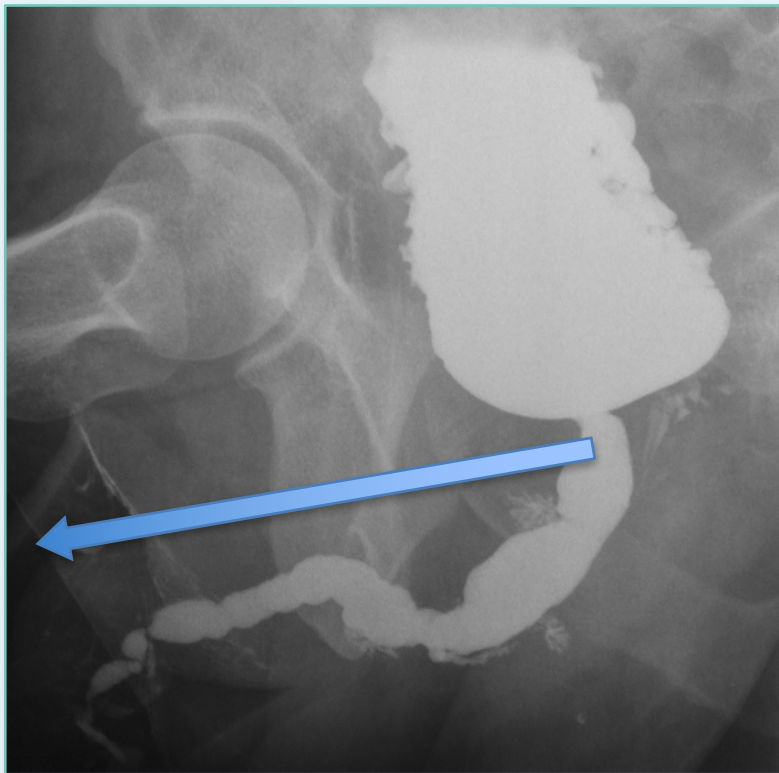
Bladder diverticula



Decompensaated bladder







Perineostomy vs Urethroplasty

Benefit

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graph TD; A[Benefit] --> B[45 min. surgery vs 3 h. surgery]; B --> C[Easy repair of recurrent stricture]; C --> D[Easy endoscopic bladder investigation]; D --> E[Easier bladder emptying];
```

45 min. surgery vs 3 h. surgery

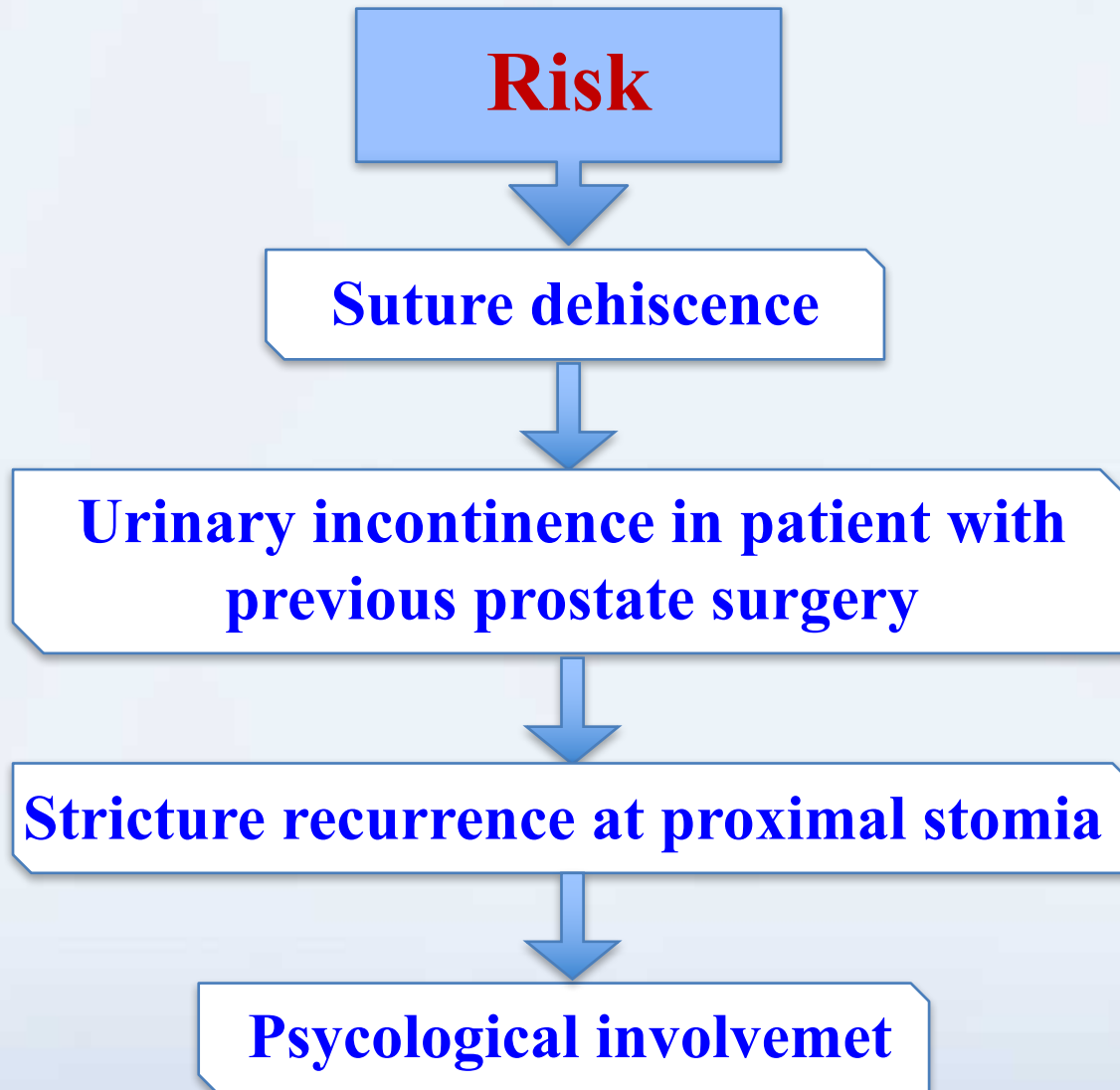
Easy repair of recurrent stricture

Easy endoscopic bladder investigation

Easier bladder emptying



Perineostomy vs Urethroplasty



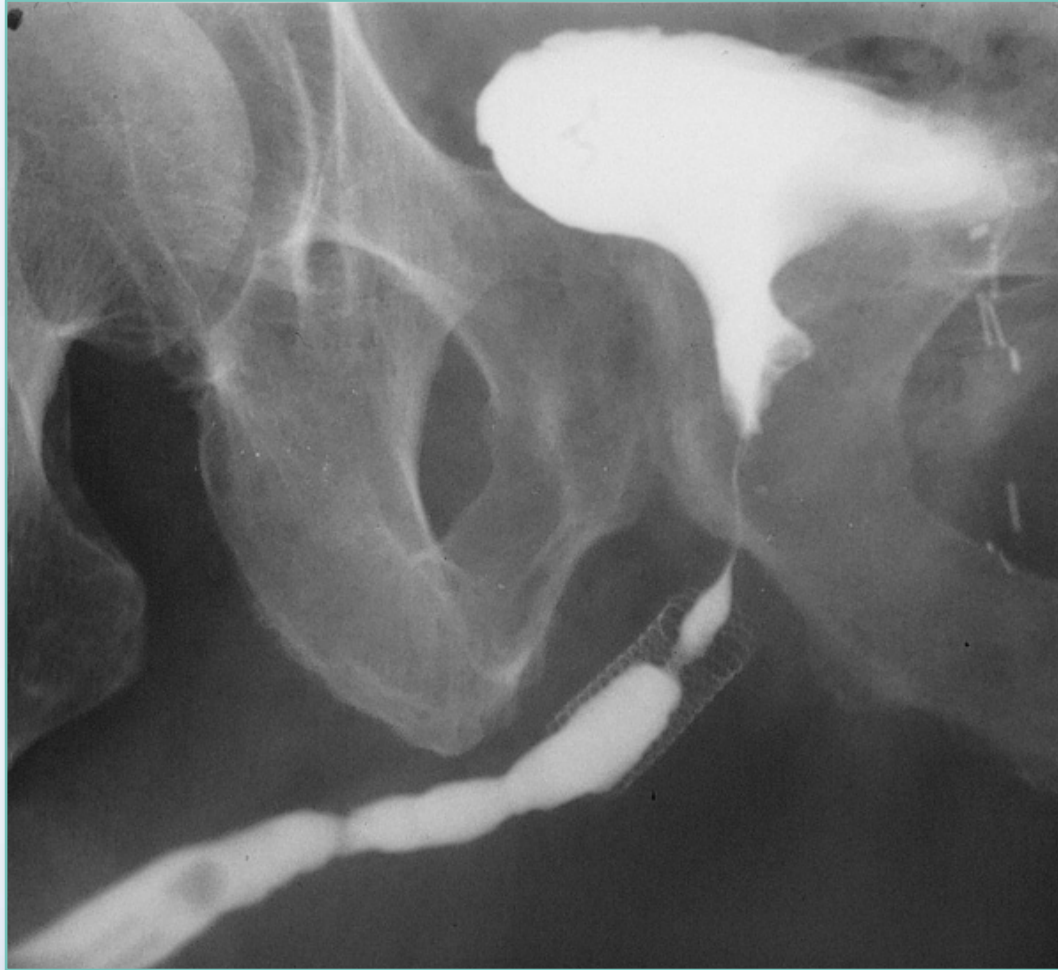
Suture dehiscence



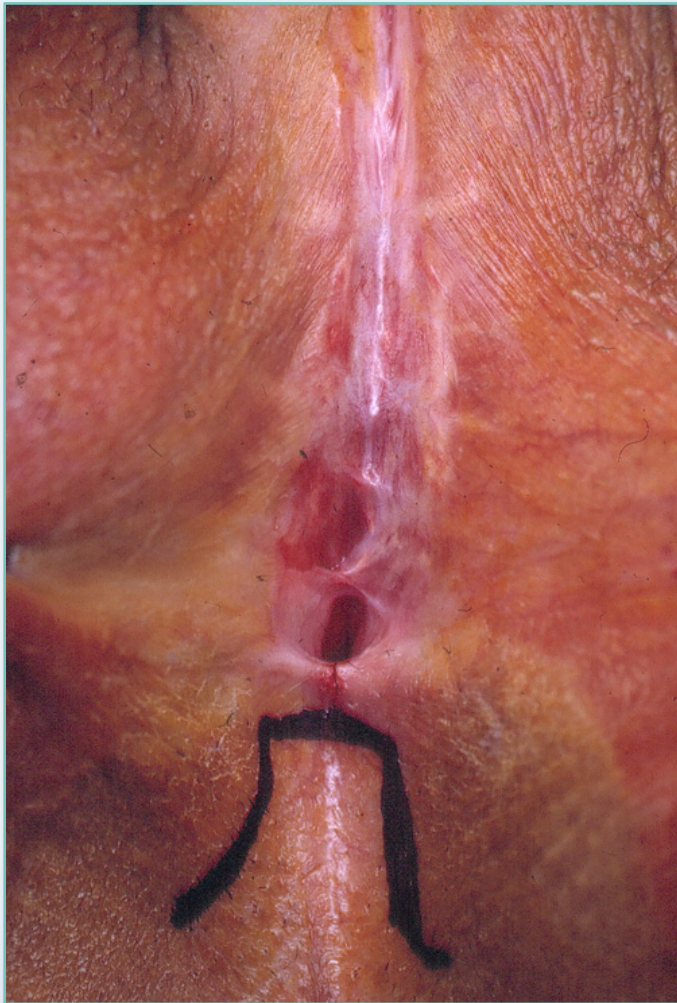
Diabetes



High risk of urinary incontinence



Stricture recurrence



Perineostomy: our results

Clinical Outcome and Quality of Life Assessment in Patients Treated With Perineal Urethroscopy for Anterior Urethral Stricture Disease

Guido Barbagli, Michele De Angelis, Giuseppe Romano and Massimo Lazzeri*

From the Center for Reconstructive Urethral Surgery (GB) and Unità Operativa Urologia, Ospedale San Donato (MDA, GR), Arezzo, and Department of Urology, Santa Chiara-Firenze, Florence (ML), Italy

J Urol 2009; 182:548-557



Perineostomy: our results

Patients 173: median age 54 years
median follow-up 62 months

Success	121	70%	
Failure	52	30%	32 (61,6%) 1 revision
			13 (25%) 2 revisions
			5 (9.6%) 3 revisions
			1 (1.9%) 4 revisions
			1 (1.9%) 5 revisions

J Urol 2009; 182:548-557



Perineostomy: our results

Patients satisfaction

Satisfied	135	78%
Very satisfied	33	19.1%
Little satisfied	3	1.7%
Dissatisfied	2	1.2%

Would you undergone this type of operation again?

Yes	168	97.1%
No	5	2.9%

J Urol 2009; 182:548-557



Urethroplasty vs Perineostomy

Benefit

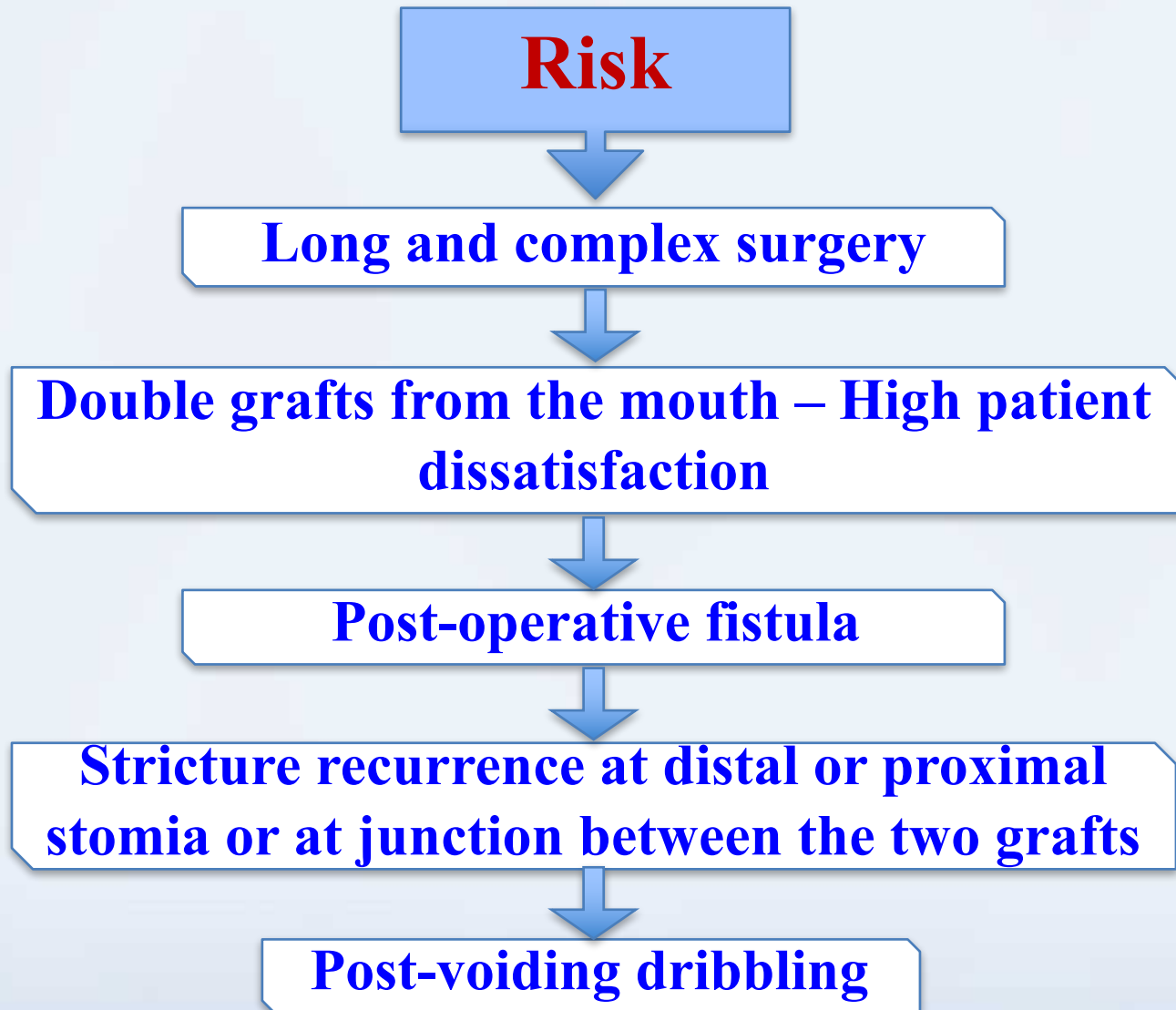
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graph TD; A[Benefit] --> B[No change in voiding position?]; B --> C[No psychological involvement];
```

No change in voiding position ?

No psychological involvement



Urethroplasty vs Perineostomy



Prediction of Early and Late Complications after Oral Mucosal Graft Harvesting: Multivariable Analysis from a Cohort of 553 Consecutive Patients

Guido Barbagli, Nicola Fossati, Salvatore Sansalone, Alessandro Larcher, Giuseppe Romano, Vincenzo Dell'Acqua, Giorgio Guazzoni and Massimo Lazzeri*

From the Center for Reconstructive Urethral Surgery, Arezzo (GB, GR), Department of Urology, San Raffaele Turro Hospital, Milan (NF, AL, VDA, GG, ML), and Department of Experimental Medicine and Surgery, University of Tor Vergata, Rome (SS), Italy

“ Univariable and multivariable analyses revealed that bilateral graft harvesting was the only significant predictor of patient dissatisfaction.”

J Urol 2014; 191:688-693



Panurethroplasty: our results

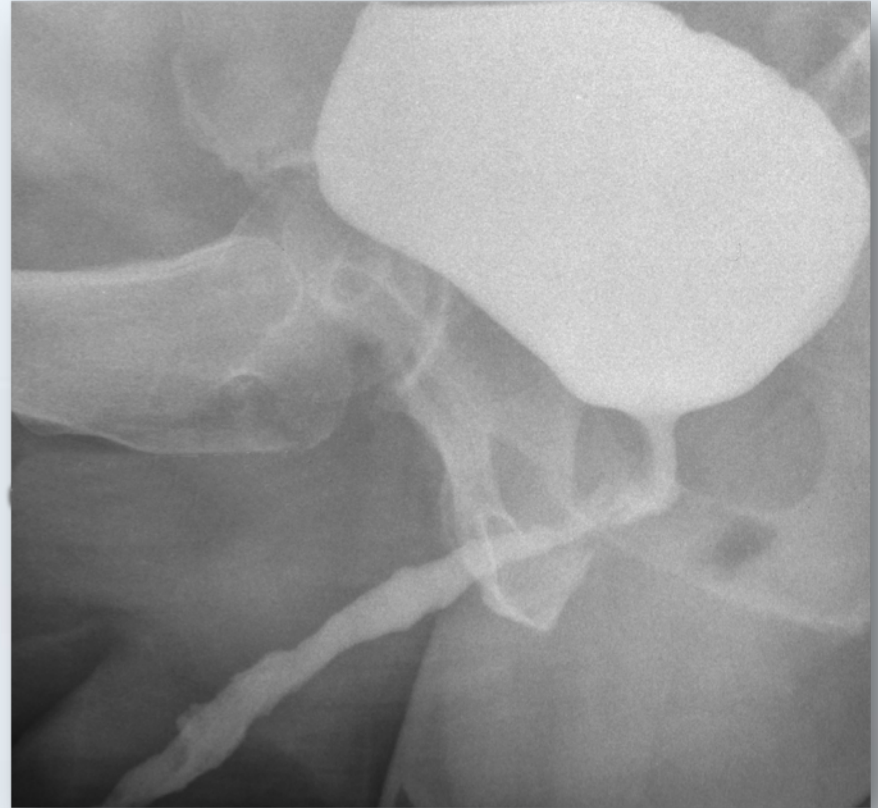
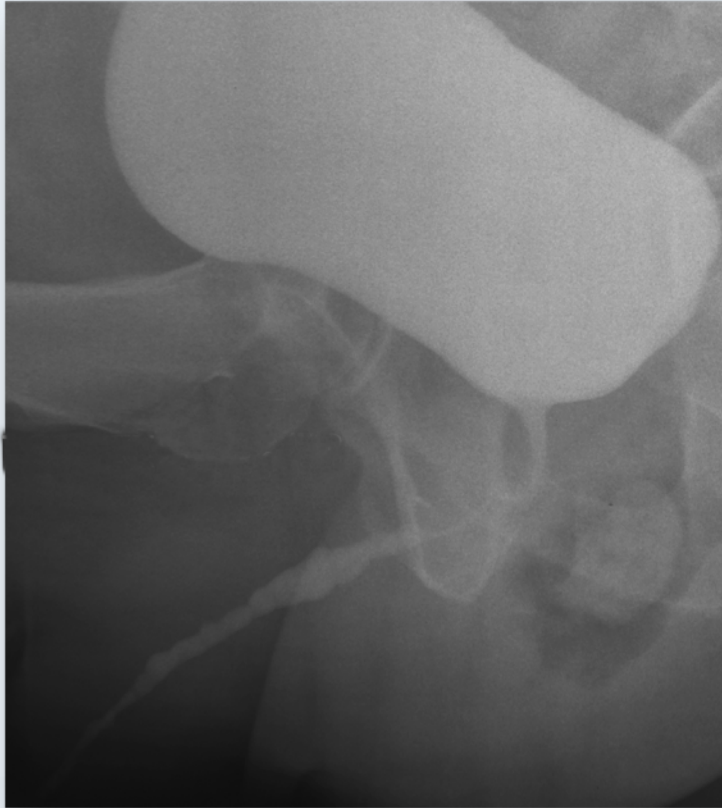
Patients 24: median age 53 years
median follow-up 30 months

Stricture etiology	LS	14	58.3%
	No LS	10	41.7%
Success	15		62.5%
Failure	9		37.5%

Success No LS	70%
Success LS	57.1%



Panurethroplasty: good result



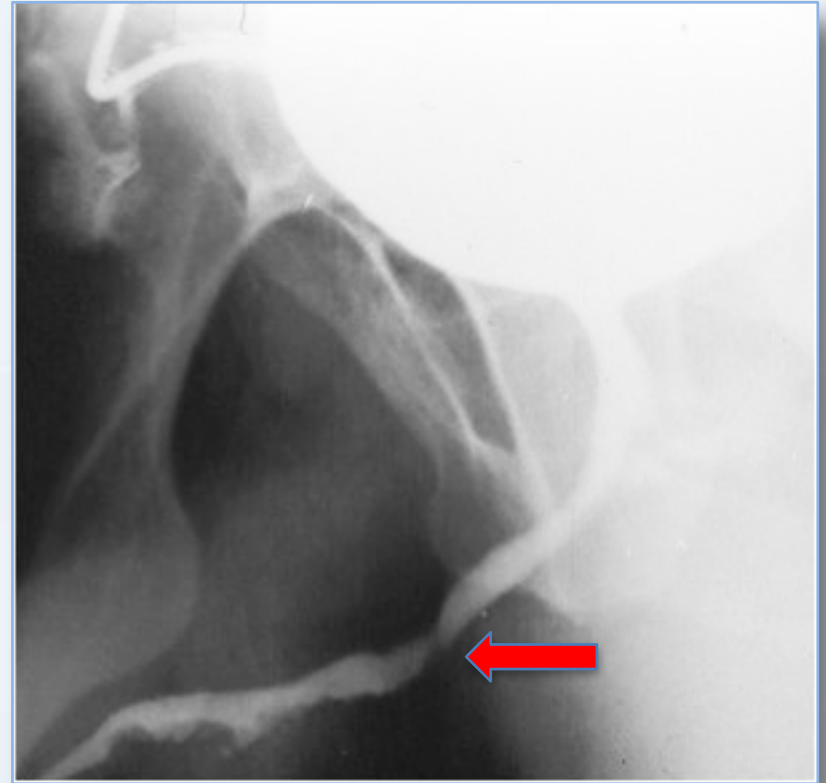
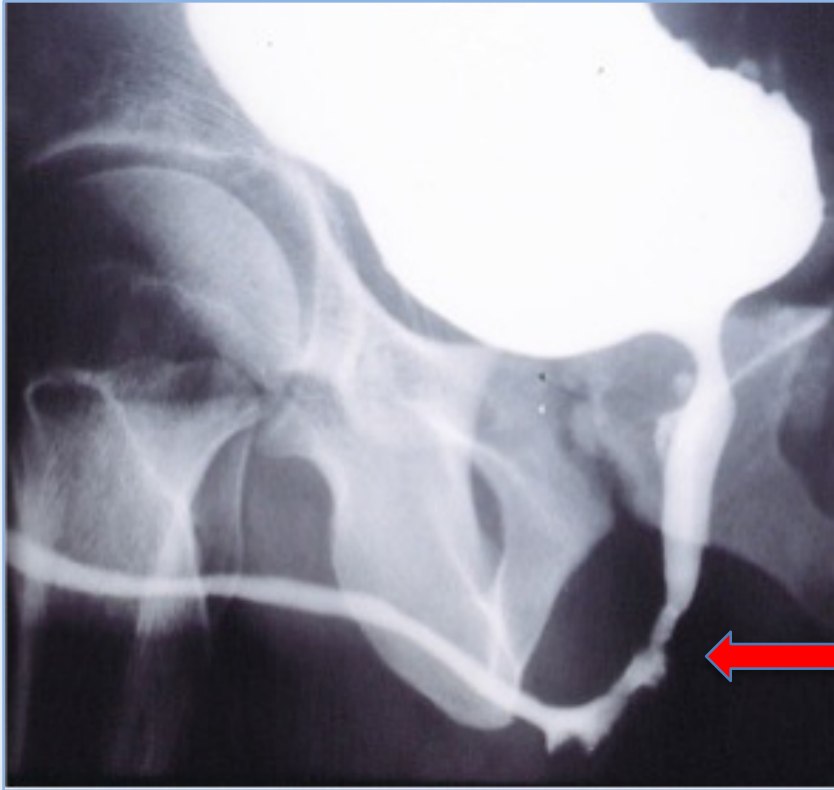
Panurethroplasty: fistula



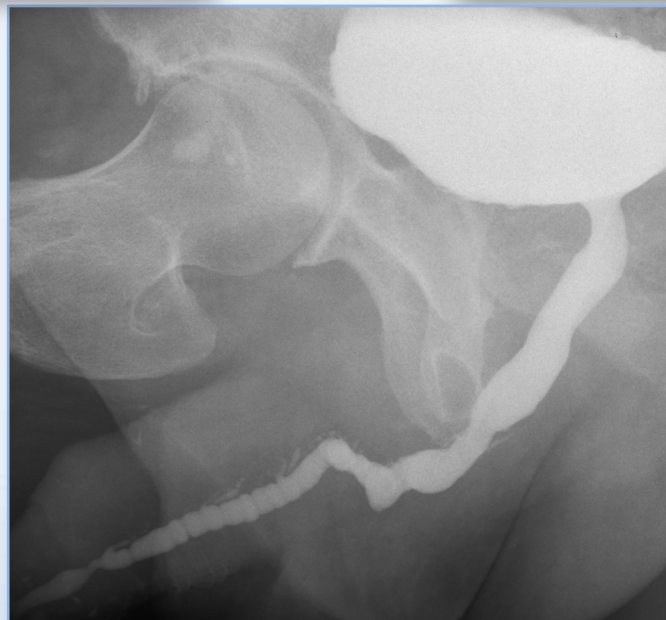
stricture recurrence



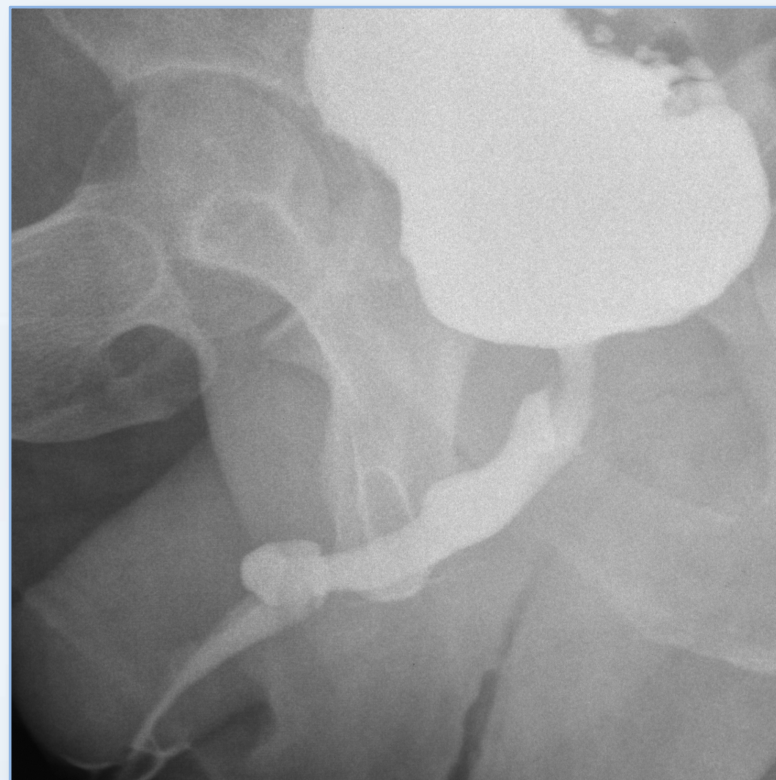
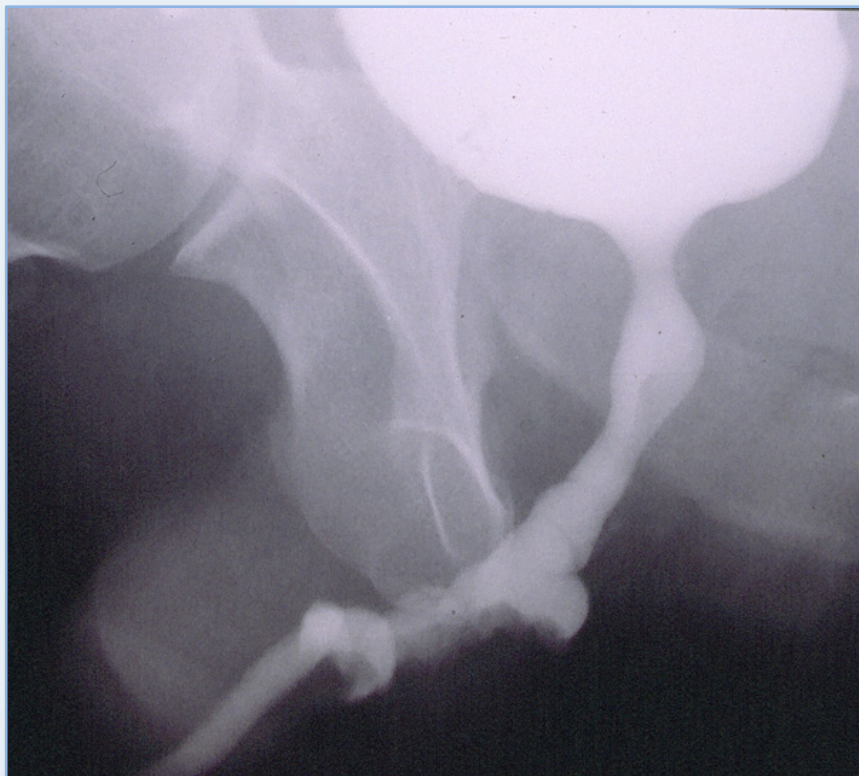
Panurethroplasty: proximal stricture recurrence



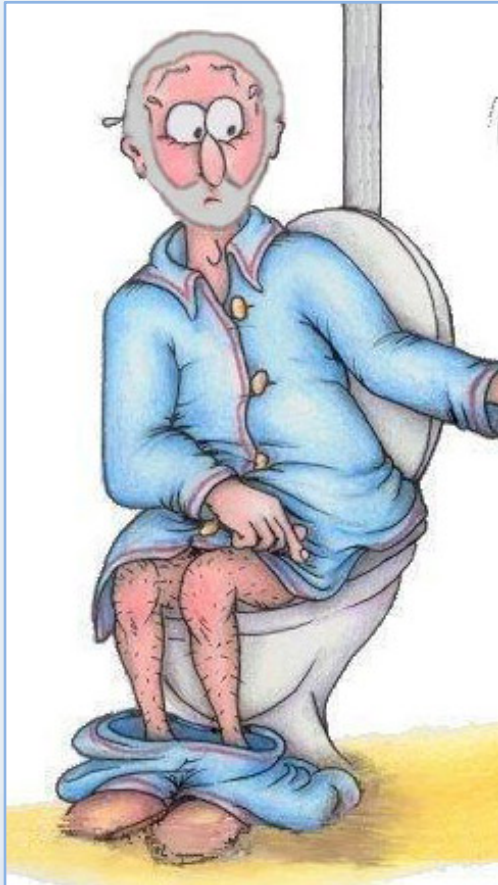
Panurethroplasty: disease evolution over time



Panurethroplasty: post-voiding dribbling



To urinate seated or standing: that is the question!



Conclusions

Perineostomy **or pan-urethroplasty ?**

Perineostomy **and pan-urethroplasty !**

Perineostomy is for the bladder !

Pan-urethroplasty is for the urethra !





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