

Bruno Roche

The tongue has no bones, but is strong enough to break a heart. So be careful with your words.



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You enjoyed STARR

You liked TRANS STARR

**You will be fascinated
by CONTRA STARR**



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Vader | Galaxies Divided | © Lucasarts



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Consensus conference on the stapled transanal rectal resection (STARR) for disordered defaecation

M. L. Corman*, A. Carriero†, T. Hager‡, A. Herold§, D. G. Jayne¶, P.-A. Lehur**, D. Lomanto††, A. Longo‡‡, A. F. Mellgren§§, J. Nicholls¶¶, P.-O. Nyström***, A. J. Senagore†††, A. Stuto‡‡‡ and S. D. Wexner§§§

Characteristic symptoms—potential indications for STARR

- Evacuation by prolonged or repeated straining;
- Frequent calls to defaecate prior to or following evacuation;
- Use of digital means to effect evacuation;
- Laxative and or enema use required to defaecate;
- Sense of incomplete evacuation;
- Excessive time spent in the toilet;
- Pelvic pressure, rectal discomfort, and perineal pain.

Evaluation of the patient

- Clinical assessment (including evaluation of sphincter function, noting in particular the presence of rectocele, intussusception, perineal descent and anal prolapse);
- Proctosigmoidoscopy;
- Colonoscopy or barium enema;
- Defaecography (required) with vaginography (optional). Alternatively, dynamic magnetic resonance imaging (MR) can be used.



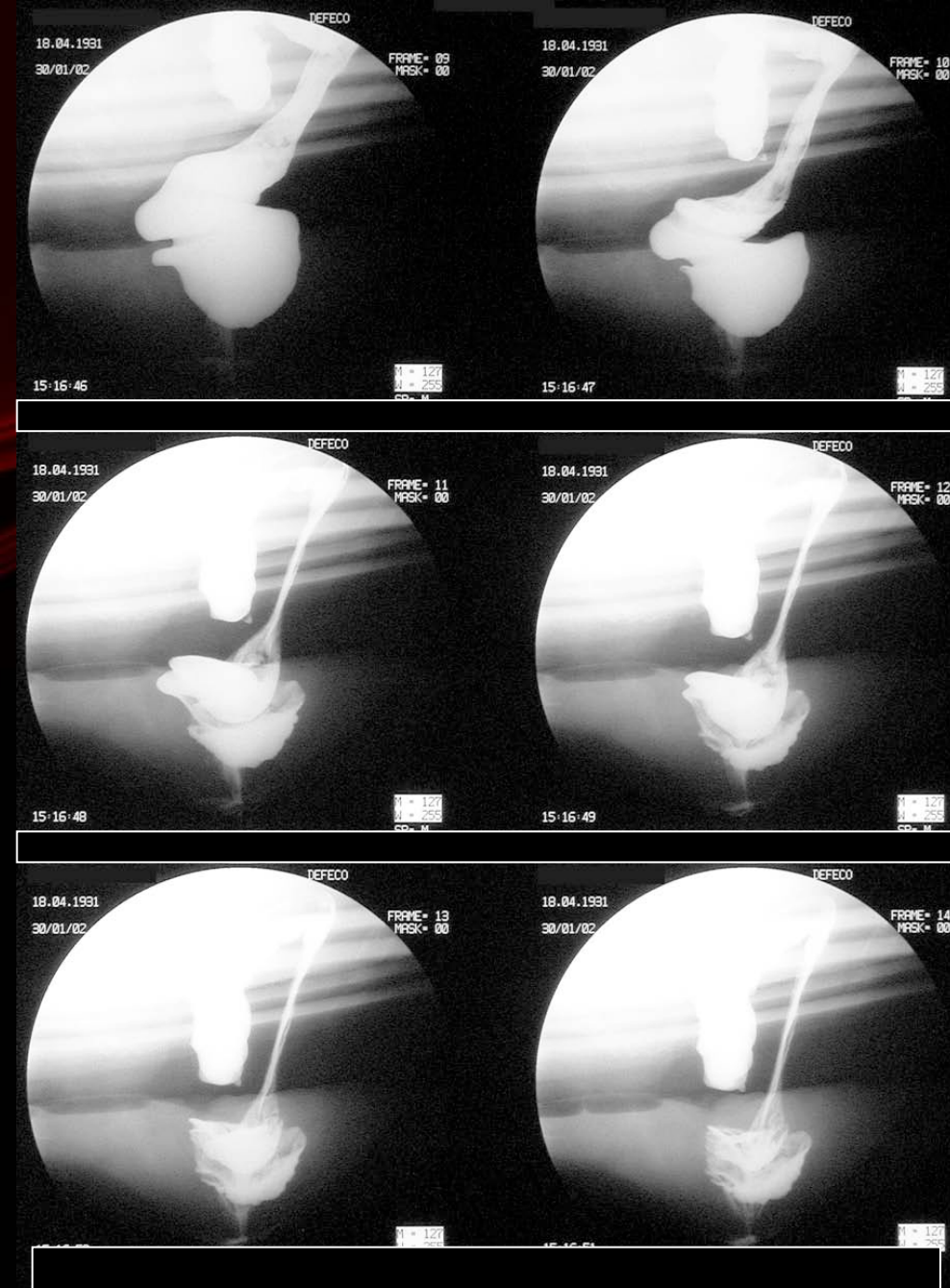
Symptoms

**Outlet obstruction due to
distal rectal intussusception
or invagination**



Rectal invagination

Rectum is empty?



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Symptoms

**Outlet obstruction due to
distal rectal intussusception
or invagination**

Fantasy



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Normal image

Lateral



Antero-posterior



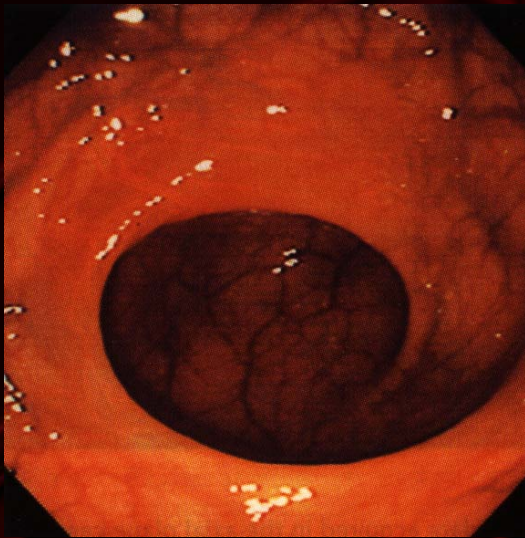
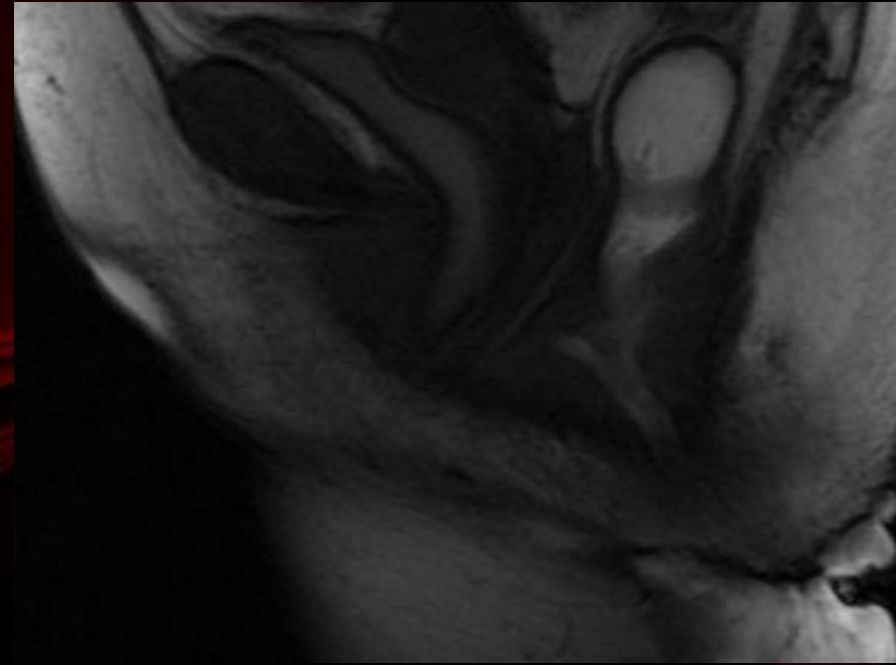
Fact!



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Images intussusceptions



Fantasy?



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Pathologic image



Fact!

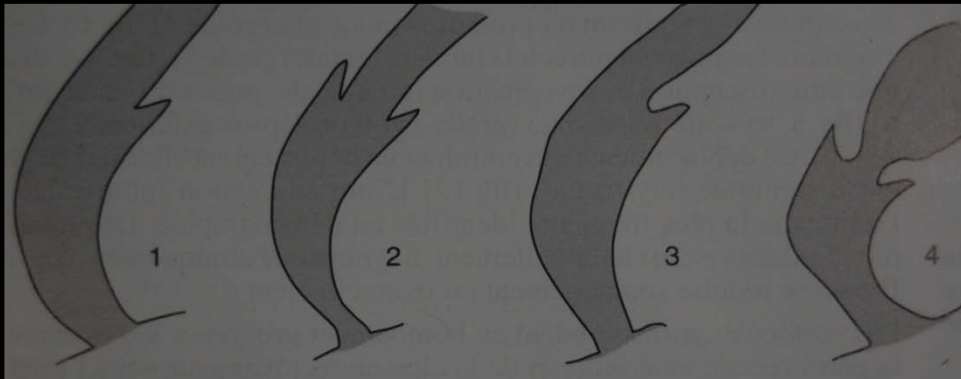


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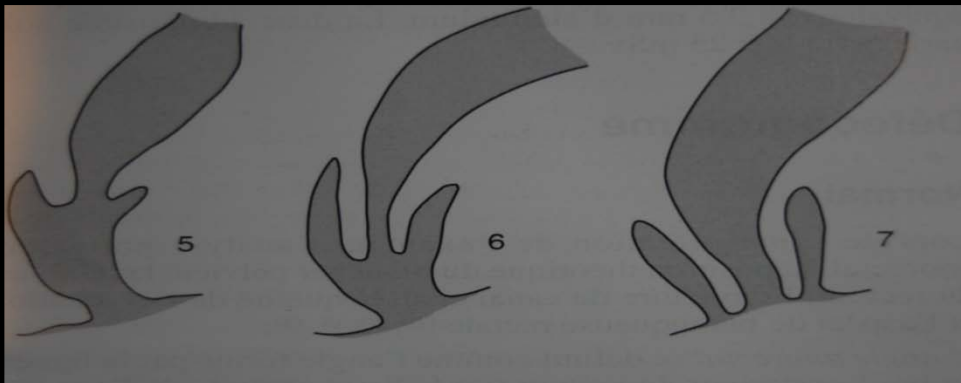


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Grades of rectal invagination according P. Shorvon



No surgery



Rectal prolaps surgery

Results of STARR

World J Surg (2010) 34:2191–2196
DOI 10.1007/s00268-010-0638-6

World Journal
of Surgery

Disappointing Long-Term Outcomes After Stapled Transanal Rectal Resection for Obstructed Defecation

Khaled M. Madbouly · Khaled S. Abbas ·
Ahmed M. Hussein

improvement was maintained for 18 months and then there was a rapid decline until the end of the follow-up period.
Conclusions STARR is a safe surgical procedure that

Relief of obstructed defecation syndrome after stapled transanal rectal resection (STARR): a meta-analysis.

[Van Geluwe B](#), [Stuto A](#), [Da Pozzo F](#), [Fieuws S](#), [Meurette G](#), [Lehur PA](#), [D'Hoore A](#).
[Acta Chir Belg](#). 2014

STARR can reduce ODS but the effect is overestimated.



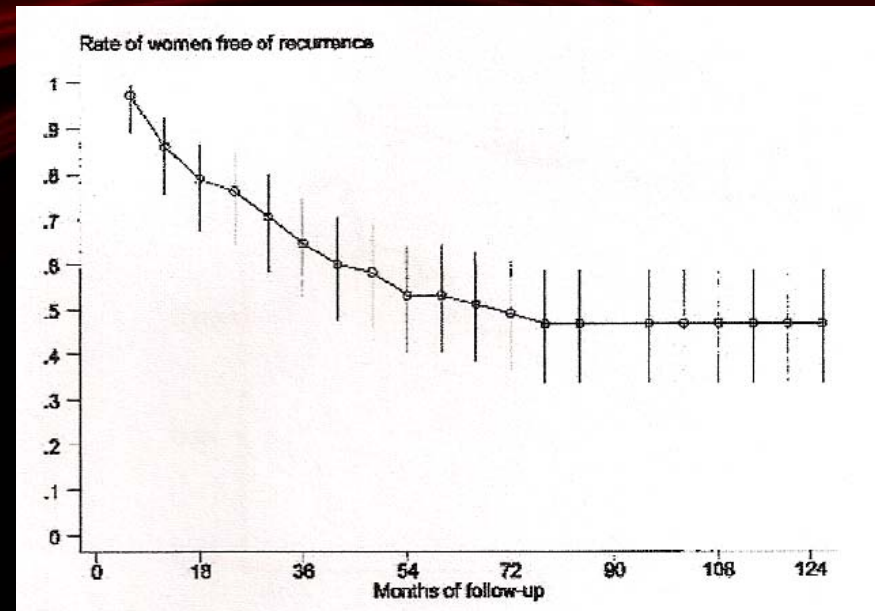
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Results of STARR

Good short term results

Poor long term results



Like any other endo rectal surgery



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Geneva experience on STARR Complications Requiring a surgical treatment

67 Chronic pain

8 Rectal pocket

12 Rectovaginal fistulas

32 Incontinence

14 Stenosis

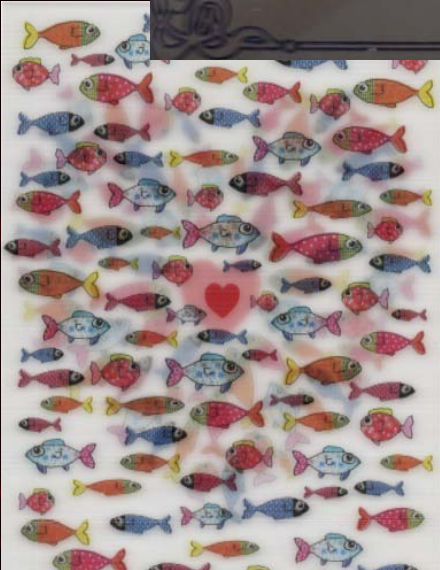
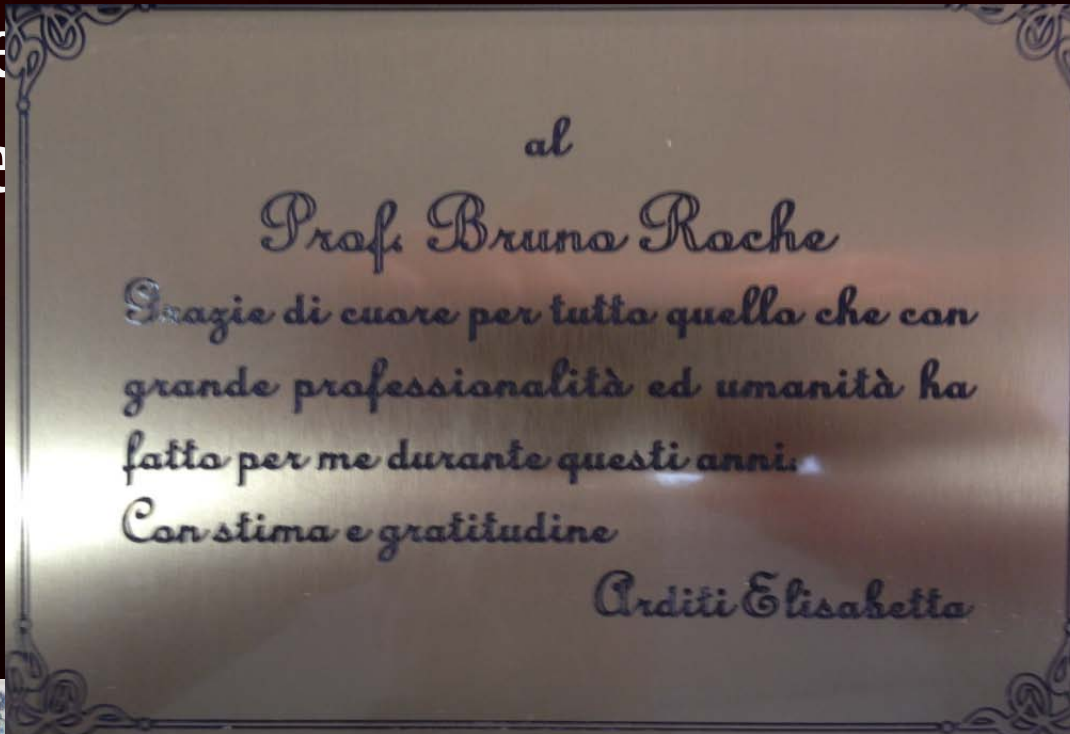
124 Foreign patients (93.2%)

9 Swiss patients (6.8%)



General Complications

67
8
12



Prevalence

Sis

gn

pa

Paris, 1er Janvier 2015,
Cher docteur qui m'avez
délivré en 2012 d'une fistule,
je vous salue pour la
nouvelle année force, santé,
amour, et la gloire qui vous revient!
Merci!
Isabelle



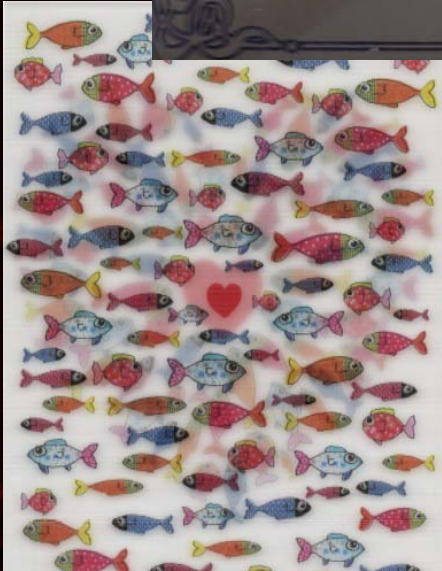
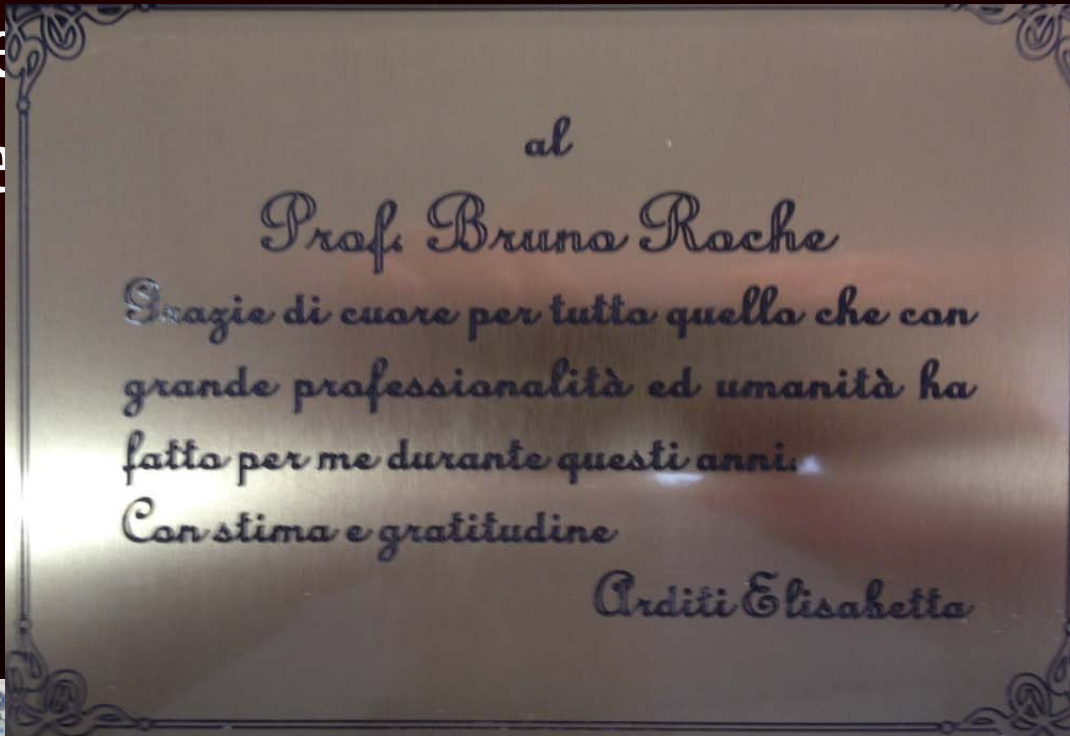
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General Complications

67
8
12



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Pain, 1er Janvier 2015,
Cher docteur qui m'avez
délivré en 2012 d'une fistule,
je vous salue pour la
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Isabelle



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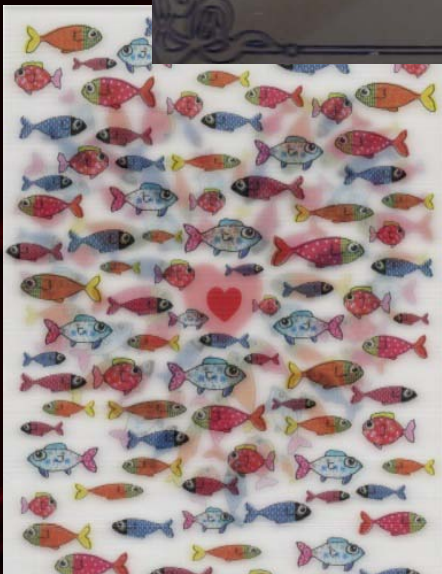
Ge
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67
8
12

Please Don't
stop doing
STARR
operations!!

cations

al
Prof. Bruno Roche
Grazie di cuore per tutto quella che con
grande professionalità ed umanità ha
fatto per me durante questi anni.
Con stima e gratitudine
Arditi Elisabetta



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gn

pa

Pain, 1er Janvier 2015,
Cher docteur qui m'avez
délivré en 2012 d'une fistule,
je vous salue pour la
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Merci!
Isabelle



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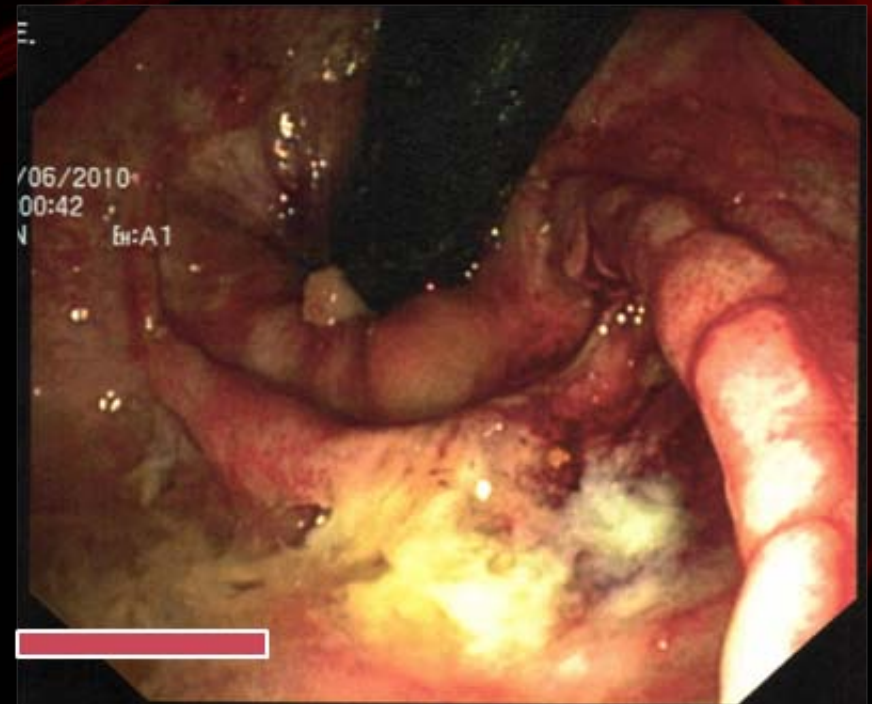
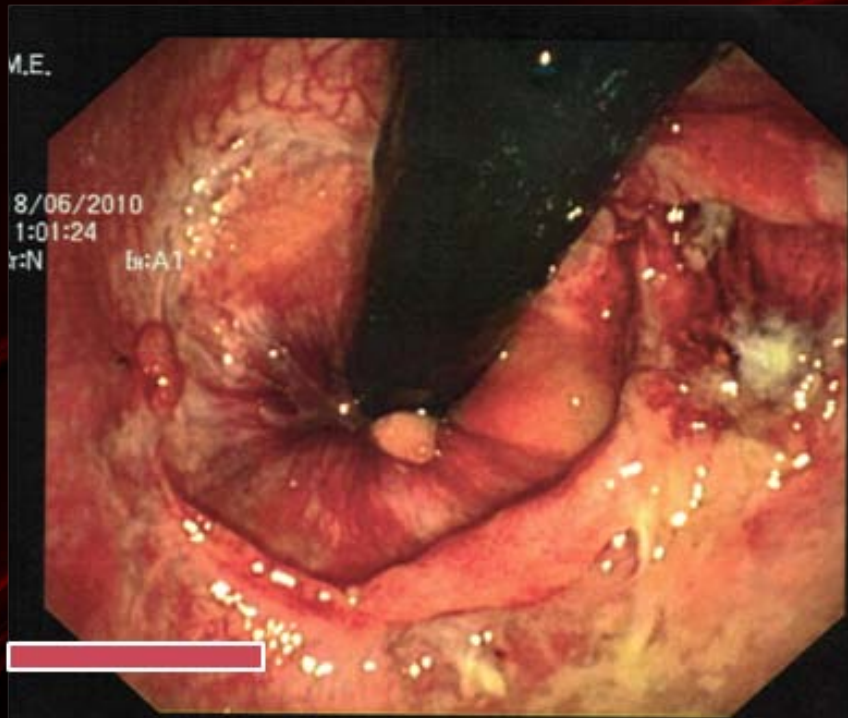
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ANORECTAL NEURALGIA

9.5% post op Dis Colon Rectum 2007

20% persist one year post STARR J Gastrointest Surg 2007



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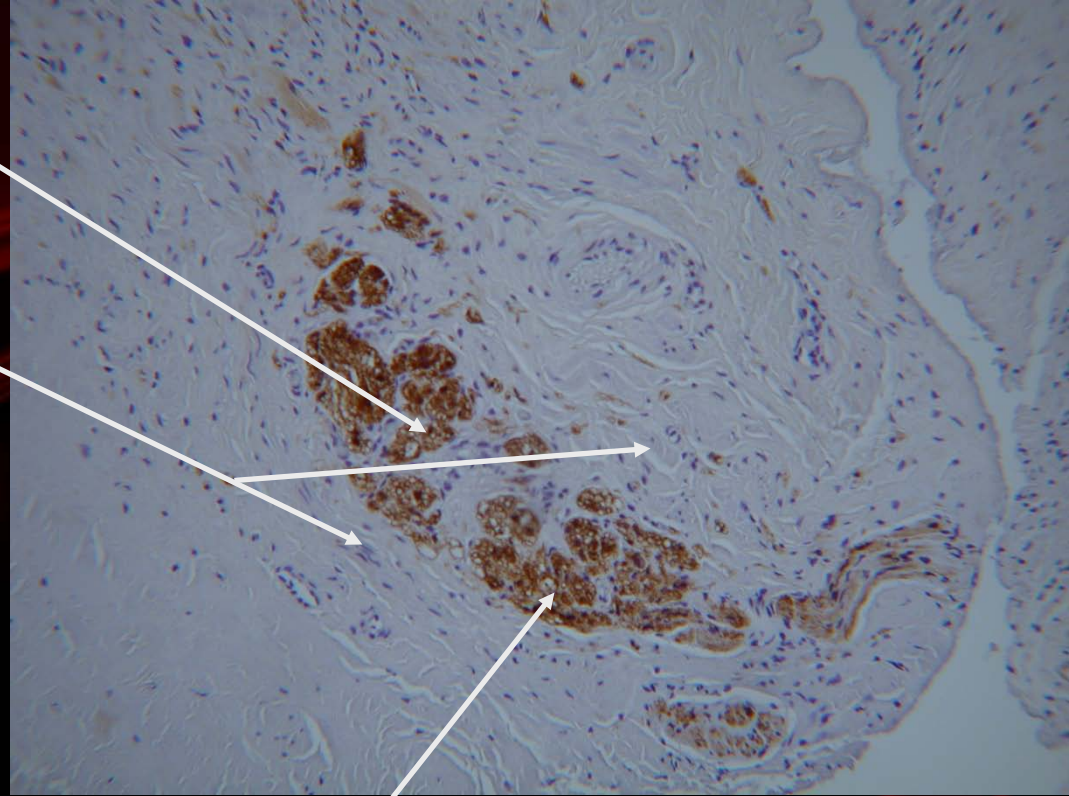
Histology results

Peripheral nerve trunk in rectal submucosa

surrounded by

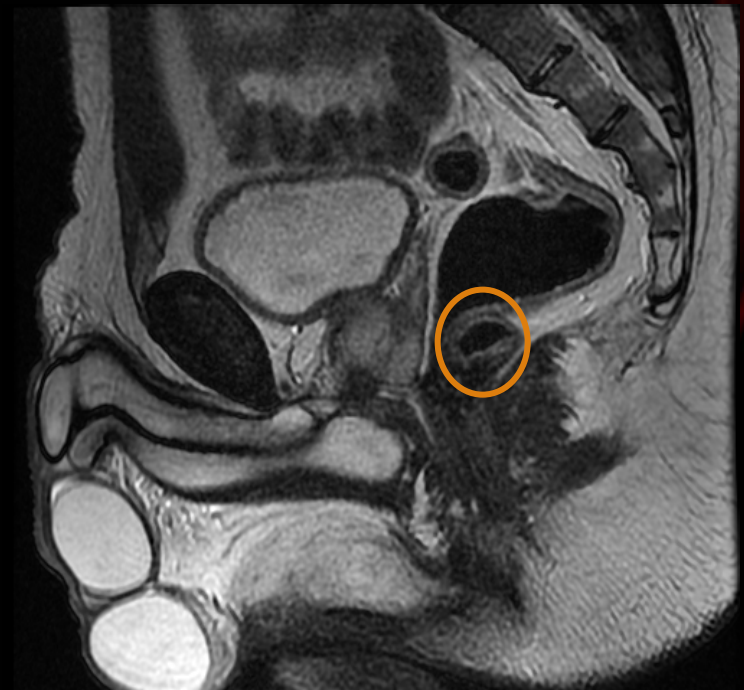
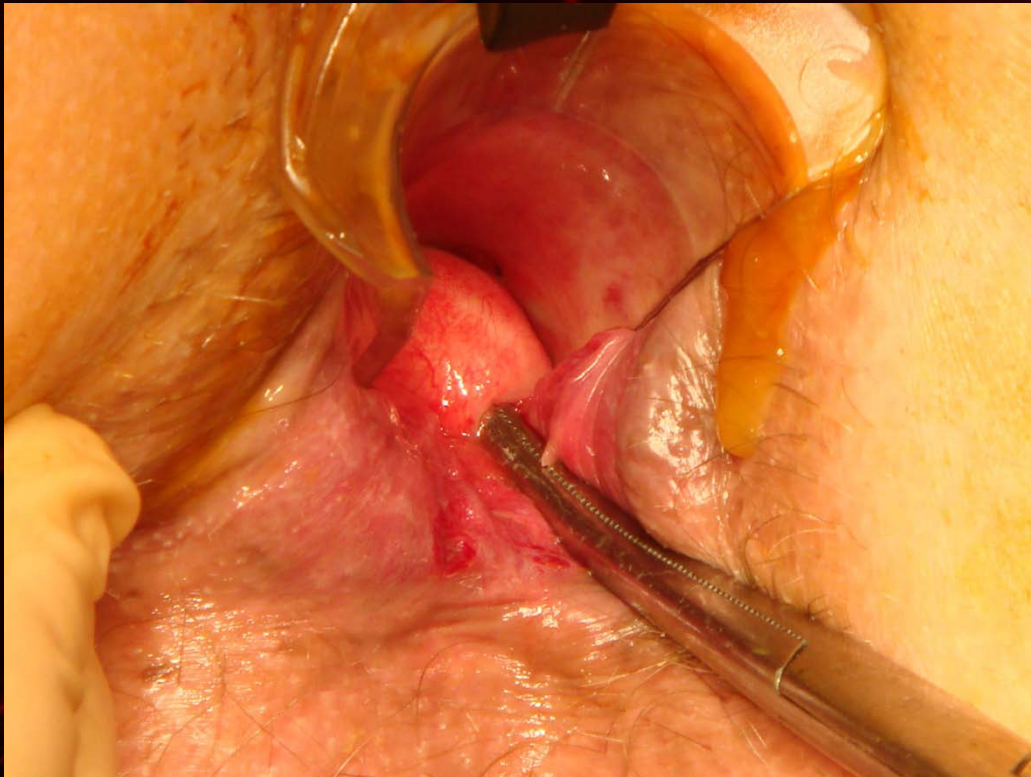
Cicatricial fibrous tissue

Immunohistochemistry
for S-100 protein highlights
the compartmentalization of Schwann cells



Rectal diverticulum

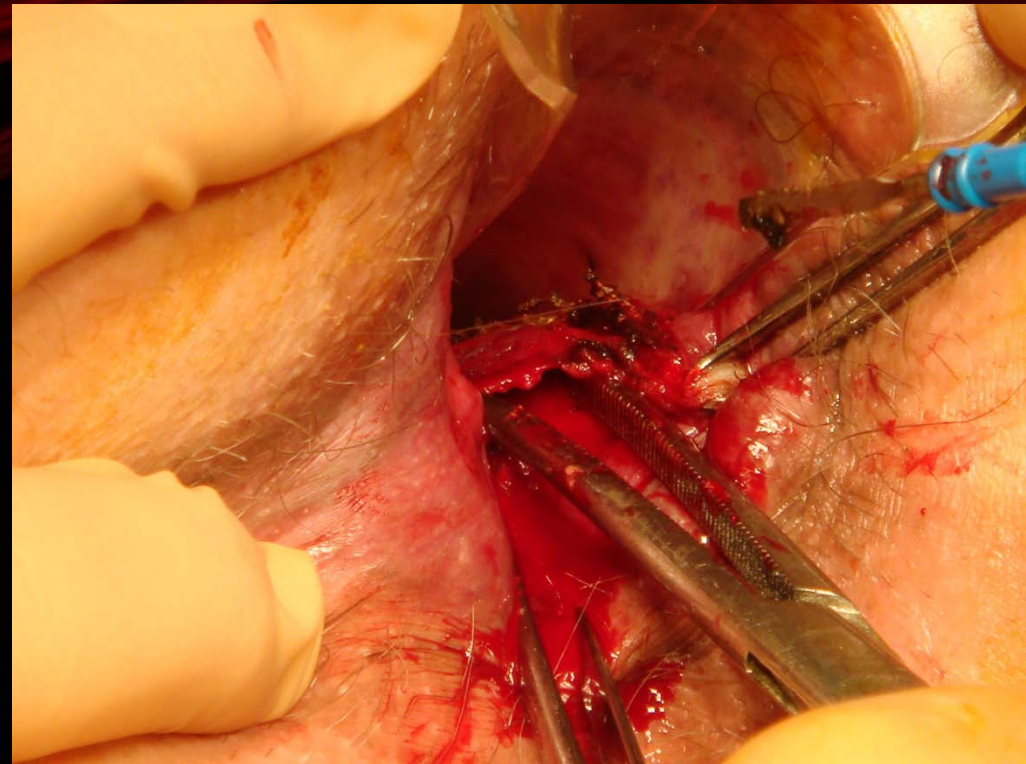
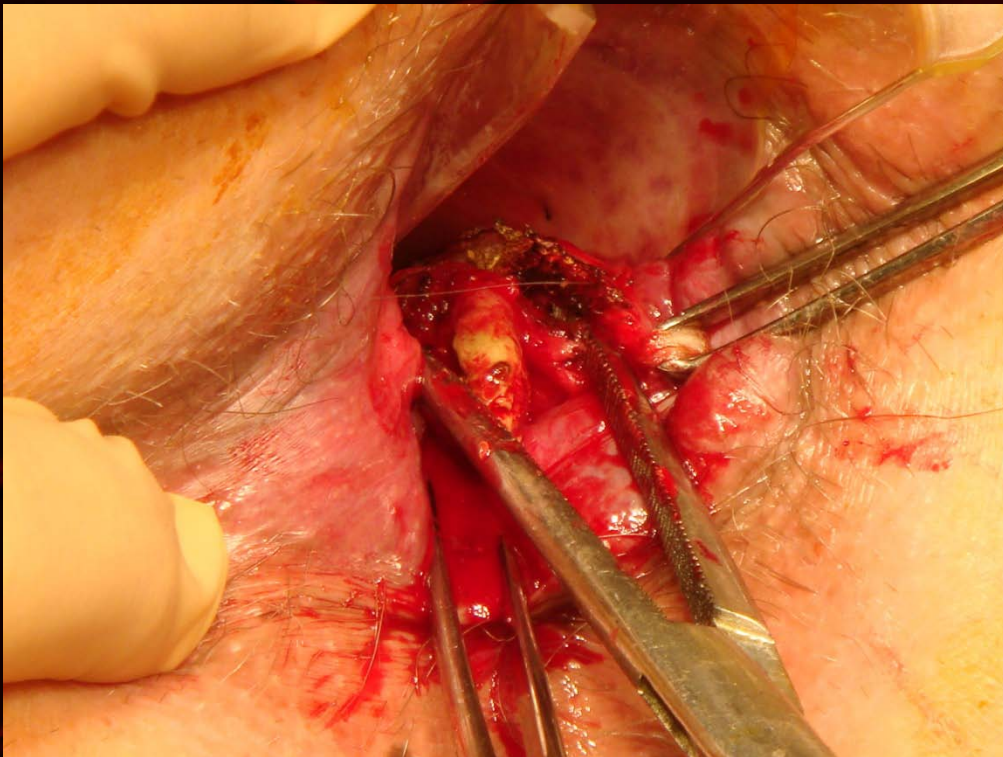
Tech Coloproct. 2007- 2008



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Treatment

Surgical excision of a pocket containing feces



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Urgencies (U) Feacal Incontinence (FI)

U 23% long term Dis Colon Rectum 2007

FI 3-19% 23% if week sphincter pre op

Rectovaginal fistulas

Sepsis

Stenosis....

Colostomy



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Mario Pescatori
Giuseppe Dodi
Concetto Salafia
Andrew P. Zbar

Tech Coloproctol (2003) 7:148–153
DOI 10.1007/s10151-003-0026-4

ile-stapled

ORIGINAL ARTICLE

G. Dodi • R. Pietroletti • G. Milito • G. Binda • M. Pescatori
**Bleeding, incontinence, pain and constipation after STARR transanal
double stapling rectotomy for obstructed defecation**

© Springer

Mario Pescatori
Giuseppe Dodi
Concetto Salafia
Andrew P. Zbar

Tech Coloproctol (2008) 12:7–19
DOI 10.1007/s10151-008-0391-0

REVIEW

**Postoperative complications after procedure for prolapsed
hemorrhoids (PPH) and stapled transanal rectal resection
(STARR) procedures**

M. Pescatori • G. Gagliardi

STARR transanal



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of
atology

Horizon scanning technology prioritising summary

Stapled transanal rectal resection (STARR)



November 2010

Australian
Safety
and Efficacy
Register
of New
Interventional
Procedures -
Surgical



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DIFFUSION

The diffusion status of STARR is unclear.

in most jurisdictions. The overwhelming majority of the published literature regarding STARR emanates from Europe, and it appears the procedure is geographically widely diffused there. However, with the exception of Italy, the volume of cases appears fairly modest, reflecting either limited uptake or limited application. The unclear effectiveness of the procedure or the complexity of ODS may limit diffusion to some degree.

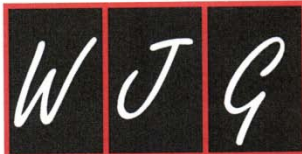
approximately 20% of patients reflected some degree of reticence about the procedure. Randomised clinical trials are needed to evaluate STARR against other treatment options.



HEALTHPACT ASSESSMENT

Based on the frequency of complications following the STARR procedure, including the advent of new or aggravated symptoms it is unlikely this technology has great potential for uptake in Australia.

What else



World Journal of
Gastroenterology

Online Submissions: <http://www.wjgnet.com/1007-9327/office>
wjg@wjgnet.com
doi:10.3748/wjg.v17.i37.4199

World J Gastroenterol 2011 October 7; 17(37): 4199-4205
ISSN 1007-9327 (print) ISSN 2219-2840 (online)
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BRIEF ARTICLE

Comparative outcome of stapled trans-anal rectal resection and macrogol in the treatment of defecation disorders

Ivano Biviano, Danilo Badiali, Laura Candeloro, Fortunée Irene Habib, M
Fiorella Anzini, Enrico S Corazziari



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Conclusion

*Viox wurde wegen des Anstiegs der
Möglichkeit kardialer Ereignisse
von 0,14 auf 0,34% vom Markt
genommen.*



Conclusion

High rate complications (36%)

High rate patient reluctant (20%)

Poor functional long term results

STARR for High selected cases

To use with caution

**Proceed
With
Caution!**



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Coming soon The shooting STARR



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