

# Acellular Dermal Matrix plug (Pressfit®) in the treatment of primary transphincteric anal fistula: a prospective study

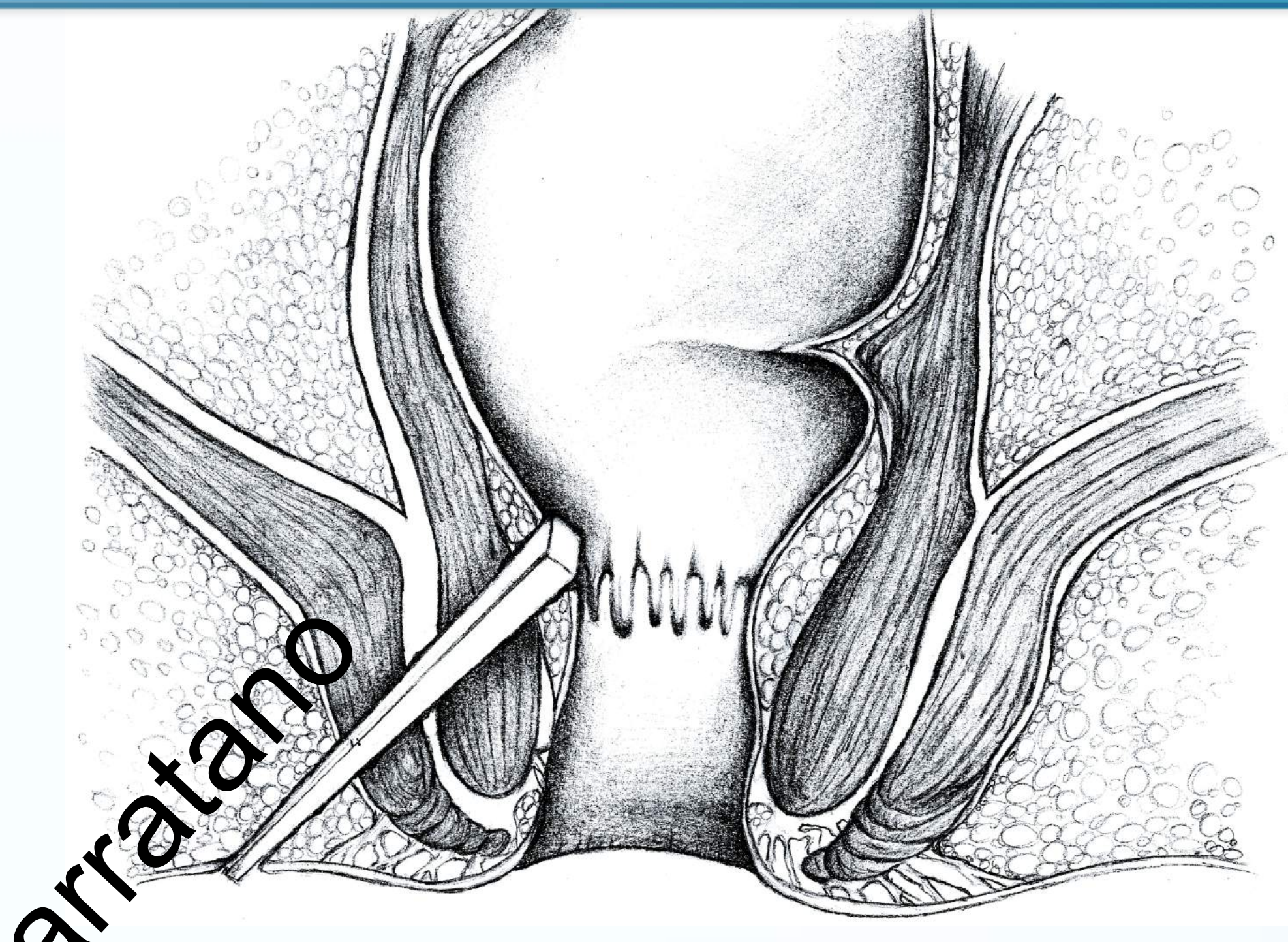
Giarratano G°, Toscana E°, Giustozzi E°, Sileri P\*, Toscana C°  
\*University of Rome Tor Vergata, Rome, Italy; °Villa Tiberia Hospital, Rome, Italy

## Aim of the study

We report data of a prospective study designed to evaluate feasibility, early and long-term outcomes of Acellular Dermal Matrix (ADM) plug (Pressfit®) for primary anal fistula.

## Materials and methods

- January 2014 - September 2015
- 15pts**, median age 40,5 years affected by **primary transphincteric anal fistula**
- Preop placement of a seton for a minimum period of two months
- The plug was surgically positioned through a “**press-fit**” technique



## Results



Mean follow-up (range)	20 months (12-31)
Major complications (%)	0 (0%)
Recurrences (%)	3 (20%)
Mean healing time (range)	75 days (60-115)
Post-operative pain (%)	VAS 0-3: 13 (86%) VAS 4-7: 2 (14%) VAS 8-10: 0 (0%)
No impairment of continence was observed and no difference reported in Wexner Incontinence score before and after surgery	

## Conclusions

The surgical treatment of anal fistulas still remains challenging and a sphincter-saving procedure is desirable. Our results suggest that ADM-plug is a simple, safe, not expensive, minimally invasive, sphincter-saving and potentially effective procedure in the treatment of anal fistula.

**References:** 1) Sarzo G, Finco C, Mungo B et Al. – Anal fistula repair with Acellular Dermal Matrix Plug: description of a novel technique and early result – J Surgery – 2013 1 (1): 1-6 2) De la Portilla F, Rada R, Jimenez-Rodriguez R et Al – Evaluation of a new Syntetic plug in the treatment of anal fistula: results of a pilot study – Dis. Colon Rectum, 2011, 54: 1419-1422 3) Chan S, McCollough J, Schizas A et Al – Initial experience of treating anal fistula with the Surgis anal fistula plug – Tech Coloproctol – 2012, 16: 201-206 4) Garg P, Song J, Bhatia A et Al – The efficacy of anal fistula plug in fistula in ano:a systematic review – Colorectal Disease – 2010; 12:965-970 5) Schwander T, RoblickMH, Kierer W – Surgical treatment of complex anal fistulas with the anal fistula plug: a prospective multicenter study – Dis Colon Rectum – 2009; 52:1578-1583