

**VEITH SYMPOSIUM**  
Connecting The Vascular Community

**51<sup>st</sup>**

**Never say never: endovascular profundaplasty is possible and effective: how to do it and results**

**Pasqualino Sirignano**  
Department of General and Specialized Surgery  
"Sapienza" University of Rome  
Vascular and Endovascular Surgery Division  
Sant'Andrea Hospital of Rome  
Chief: Prof. Maurizio Taurino

## Disclosures

Pasqualino Sirignano is consultant for

- Endologix
- Inspire MD
- Medtronic

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## Functional Considerations

*The Profunda: a "natural" bypass...*

before...

...after

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## Historical Perspective

Revascularization of the Ischemic Limb

Surgical Impairment of Profunda Femoris Artery

ON THE SURGERY OF THE PROFUNDA FEMORIS ARTERY

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## State of the Art

*Clinical Research*

**The Role of the Profundaplasty in the Modern Management of Patient with Peripheral Vascular Disease**

Maurizio Taurino, Francesco Pristini, Roberto Frazzini, Federico Filippi, Raffaele Diro, and Luigi Ricci. Rome, Italy  
Ann Vasc Surg 2017

Mean ABI improvement

**0.36±0.17 → 0.57 ± 0.20**  
(p<0.001)

90% clinical improvement

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## State of the Art

Operation time: 1.3±0.7 hours

Perioperative death: 0-1%

General complications: 0-5%

Local complications: 6-7%

Mean hospital stay: 5.2 days

Ballato et al 2009  
Malgor et al 2012  
El-Bokry et al 2015



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## Endo Profundoplasty


Patients were treated by a standardized protocol consisting of

- local anesthesia
- contralateral femoral or brachial approach
- Chocolate Balloon (Medtronic) PTA → 1:1 ratio, 3 min inflation
- DCB (LegFlow; Cardionovum), 1 min inflation

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## Endo Profundoplasty



Technical Success 100%

Mean follow-up 6 months

**ABI**


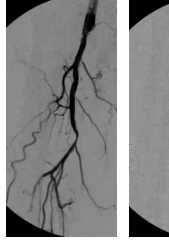
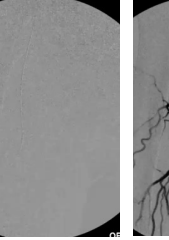

Preoperative 0.4 → Postoperative 0.6

Primary Patency 80%

1 patient died for cerebral neoplasia

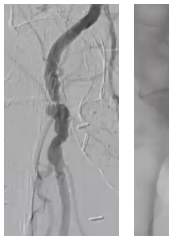
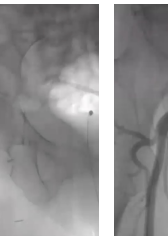

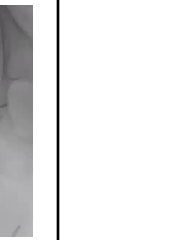
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## Endo Profundoplasty

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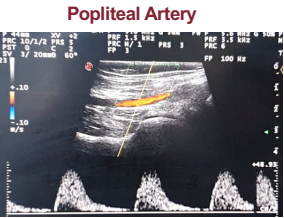
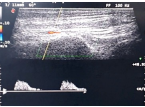
## Endo Profundoplasty


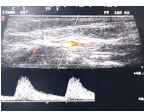
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## Follow-Up

**Popliteal Artery**

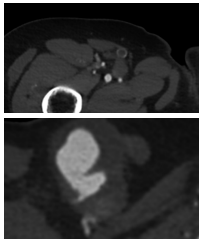

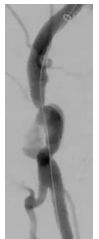
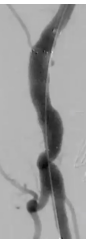
**PTA**

**ATA**


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## Complications

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## PA-CHOC Registry



**WE NEED YOU!**

Italian Registry on Endovascular Profundoplasty:  
CFA and DFA Arteries lesions treated by  
PTA with Chocolate plus drug-coated balloon  
(PA-CHOC Registry)

**CONTACT US**

[maurizio.taurino@uniroma1.it](mailto:maurizio.taurino@uniroma1.it)  
[pasqualino.sirignano@uniroma1.it](mailto:pasqualino.sirignano@uniroma1.it)  
[federica.ruggiero93@gmail.com](mailto:federica.ruggiero93@gmail.com)

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## Thank You!



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