

VEITH SYMPOSIUM
Connecting The Vascular Community

MIAMI VEIN Jose I. Almeida, MD
TopLine MD Alliance

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Inflow Assessment in PTS Patients

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Nothing To Disclose

Noninvasive measurement of lower limb outflow resistance and implications for stenting

A. Nicolaides, O. Maleski, M. Lugli, S. Guzzoni

Lifelong anticoagulation

CONCLUSION: The noninvasive measurement of LOR₂₀ provides a quantitative estimation of overall lower LOR. It can indicate which limbs are compensated by the development of a good collateral circulation and which are not. The combination of LOR₂₀ with VFI enables the clinician to determine the relative contribution of reflux and obstruction in individual limbs. A low LOR₂₀ in the presence of severe iliac stenosis or occlusion is an indication of a well-developed collateral circulation and suggests that stenting would provide little benefit if any. However, this hypothesis needs to be verified by future prospective studies.

Nicolaides A, Vasc Invest Ther 2019;2:88-94

Stent Patency

Neuclén P. J Vasc Surg. 2007;46(5):979-990

Recanalization of totally occluded iliac and adjacent venous segments

Sehadri Raja, MD, Susan McAllister, PhD, and Peter Nguyen, MD, PhD, Jackson, Fla

38 postthrombotic limbs 1997 -2001

Distal postthrombotic changes were typically diffuse and extensive, involving 3 axial venous segments- femoral, popliteal, posterior tibial in 62%

Profunda femoris postthrombotic changes in 42%

Early Thrombosis After Iliac Vein Stenting is Related to Disease Severity and Type of Anticoagulation

Retrospective cohort study 106 patients underwent stenting for chronic femoral, iliac or IVC* occlusion

*inferior vena cava

- Stent Thrombosis within 3 months: 25.5%
- Primary Patency at 3 years: 58.5%
- Secondary Patency at 3 years: 76.1%

Higher Risk for Stent Thrombosis

- Hypercoagulable state
- Extensive occlusion

Lower Risk for Stent Thrombosis

- Treatment with low-molecular-weight heparin >10 days after stenting

Marston et al. J Vasc Surg Venous Lymphat Disord, November 2021
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Table 1. Iliacal venous outflow obstruction classification system

Classification type	Disease characteristics	Example
Type I	Single-segment stenosis	
Type II	Multiple-segment stenosis	
Type III	Single-segment occlusion	
Type IV	Multiple-segment occlusion	

PTS Classification

Classification based on anatomical expansion of the postthrombotic trabeculation (> 50% lumen narrowing)

Interventional treatment for post-thrombotic chronic venous obstruction: Progress and challenges

Mohammad E. Barbat, MD,¹ Eftymios D. Agerinos, MD,² Domenico Baccelleri, MD,³ Suat Doganel, MD,⁴ Michael Lichtenberg, MD,⁵ and Hourman Jalaie, MD,⁶ Aachen, Germany; Athens, Greece; Milan, Italy; Ankara, Turkey; and Amsberg, Germany

ABSTRACT
Chronic venous obstruction, including nonthrombotic iliac vein lesions and post-thrombotic syndrome, presents a significant burden on patients' quality of life and health care systems. Venous recanalization and stenting have emerged as promising minimally invasive approaches, yet challenges in patient selection, procedural techniques, and long-term outcomes persist. This review synthesizes current knowledge on the interventional treatment of post-thrombotic syndrome, focusing on the evolution of endovascular techniques and stenting. Patient selection criteria, procedural details, and the characteristics of dedicated venous stents are discussed. Particular emphasis is given to the role of inflow and other anatomical considerations, along with postoperative management protocols for an optimal long-term outcome. (J Vasc Surg Venous Lymphat Disord 2024;12:301910.)

1) Contraindication (conservative)
2) Endovascular + Stenting into the DFV / Recanalization of the FV down to FV

Primary patency rate (%)

months

Jalaie H, AVF 2022





