

PREVENTION AND TREATMENT OF VENOUS THROMBOEMBOLISM

International Consensus Statement 2013 Guidelines According to Scientific Evidence

Developed under the auspices of the:

Cardiovascular Disease Educational and Research Trust (UK)

European Venous Forum

North American Thrombosis Forum

International Union of Angiology and

Union Internationale du Phlebologie

Surgical Thrombectomy

Chapter 17

General Considerations

- **Restoring patency to a thrombosed vein and preserving valve function is important for reducing the risk and severity of the PTS**
- **Long-term studies demonstrate improved patency of the iliac vein following thrombectomy with anticoagulation alone¹⁻⁵**

1. Kistner RL, Sparkuhl MD. *Surgery* 1979; 85:31-43.
2. Juhan C, et al. *Cardiovasc Surg* 1999; 7:586-90.
3. Plate G, et al. *Eur J Vasc Surg* 1990; 4:483-9.
4. Plate G, et al. *J Vasc Surg* 1984; 1:867-76.
5. Plate G, et al. *Eur J Vasc Endovasc Surg* 1997; 14:367-74.

General Considerations

- **A randomized trial of iliofemoral venous thrombectomy with a temporary arteriovenous fistula versus anticoagulation has demonstrated improved venous patency and improved clinical and hemodynamic outcome with preserved valve function¹⁻³**
- **Further studies comparing thrombectomy with conventional treatment are needed to determine recurrence and late outcome rates**

1. Plate G, et al. Eur J Vasc Surg 1990; 4:483-9.

2. Plate G, et al. J Vasc Surg 1984; 1:867-76.

3. Plate G, et al. Eur J Vasc Endovasc Surg 1997; 14:367-74.

Recommendation

Surgical Thrombectomy

- **Surgical venous thrombectomy should be considered for patients with symptomatic iliofemoral DVT who are not candidates for catheter-directed thrombolysis**
 - ▶ Level of evidence: Low