

ALGORITHMS FOR THE USE OF STENTS IN DEEP VEIN THROMBOSIS OF LOWER LIMBS

Based on the Consensus Document:

“Recommendations on the use of stents in Deep Vein Thrombosis of the lower limbs”

Developed by:



Endorsed by:



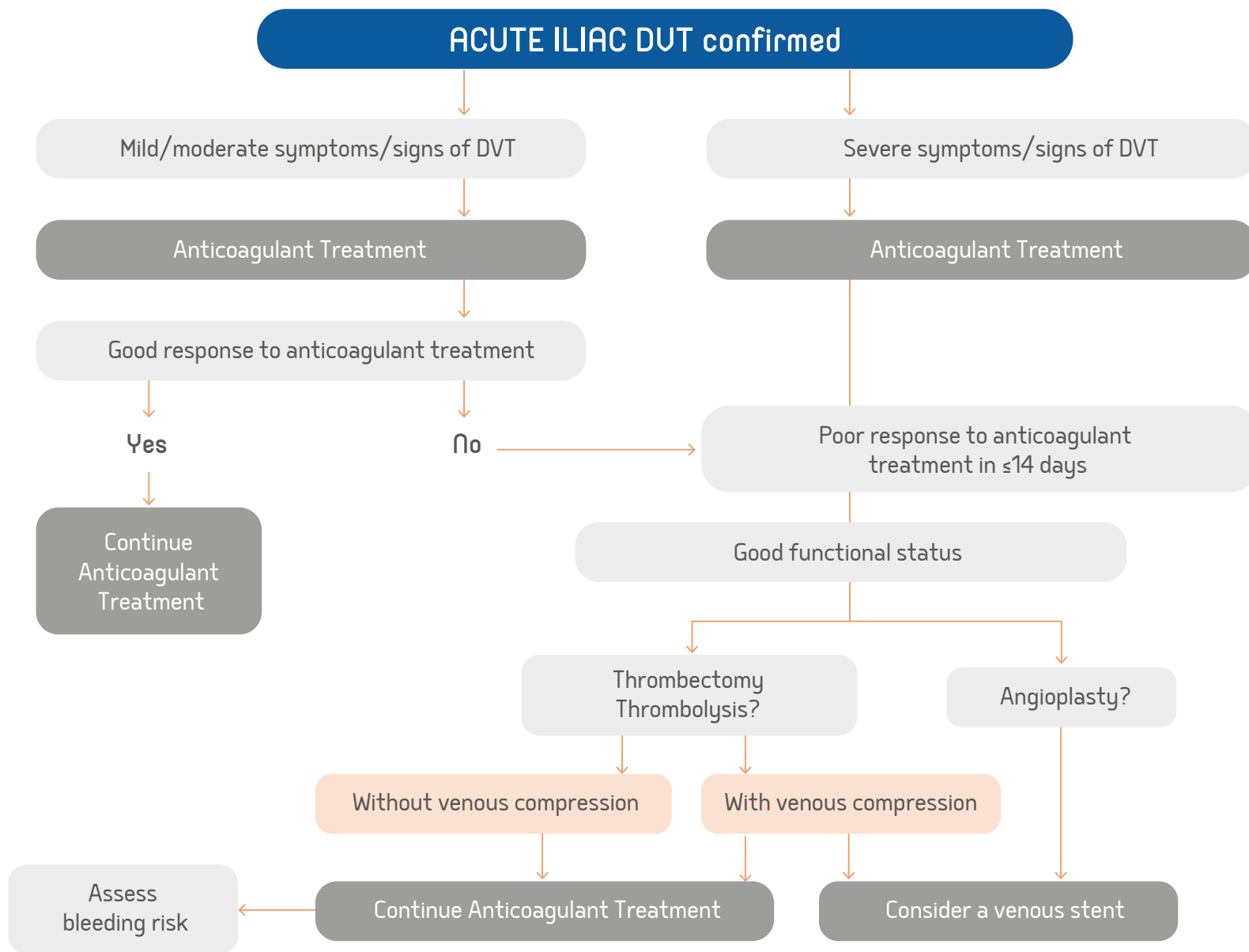
servei
SOCIEDAD ESPAÑOLA
DE RADIOLOGÍA
VASCULAR
E INTERVENCIONISTA



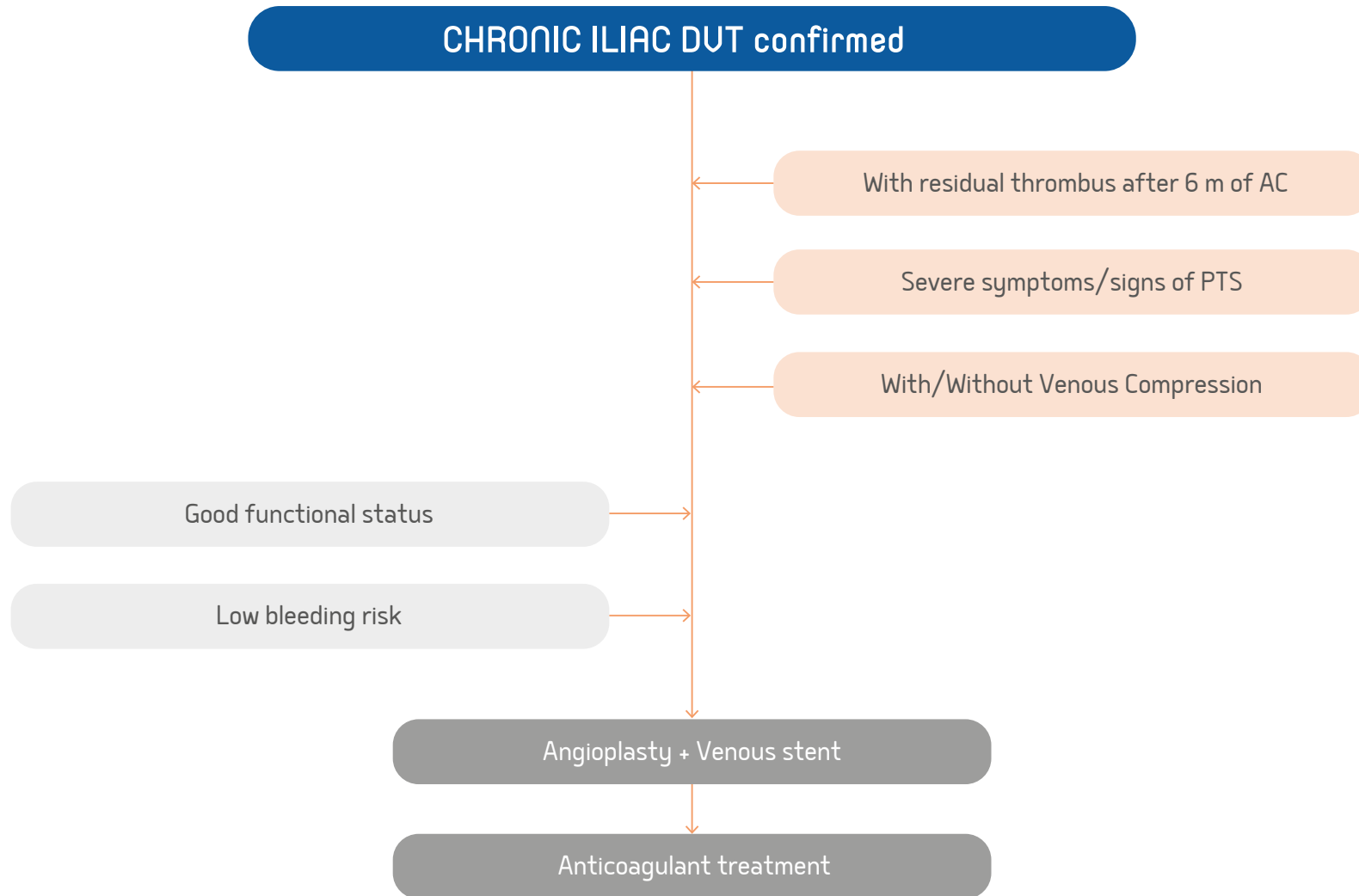
seacv
Sociedad Española de
Angiología y Cirugía Vasculare

With the collaboration of:





Abbreviations: DVT, deep vein thrombosis; AC, anticoagulation; PTS, post-thrombotic syndrome.



Abbreviations: DVT, deep vein thrombosis; AC, anticoagulation; PTS, post-thrombotic syndrome.

VENOUS STENT

PROCEDURE:

- ✓ Get a contrast-enhanced image of the iliofemoral venous axis.
- ✓ Prior assessment with intravenous ultrasound.
- ✓ Avoid overlapping two stents under the inguinal ligament.
- ✓ Avoid interfering with the flow of the contralateral common iliac vein.
- ✓ Early Doppler ultrasound: 1-2 days after insertion and before discharge.

STENT CHARACTERISTICS:

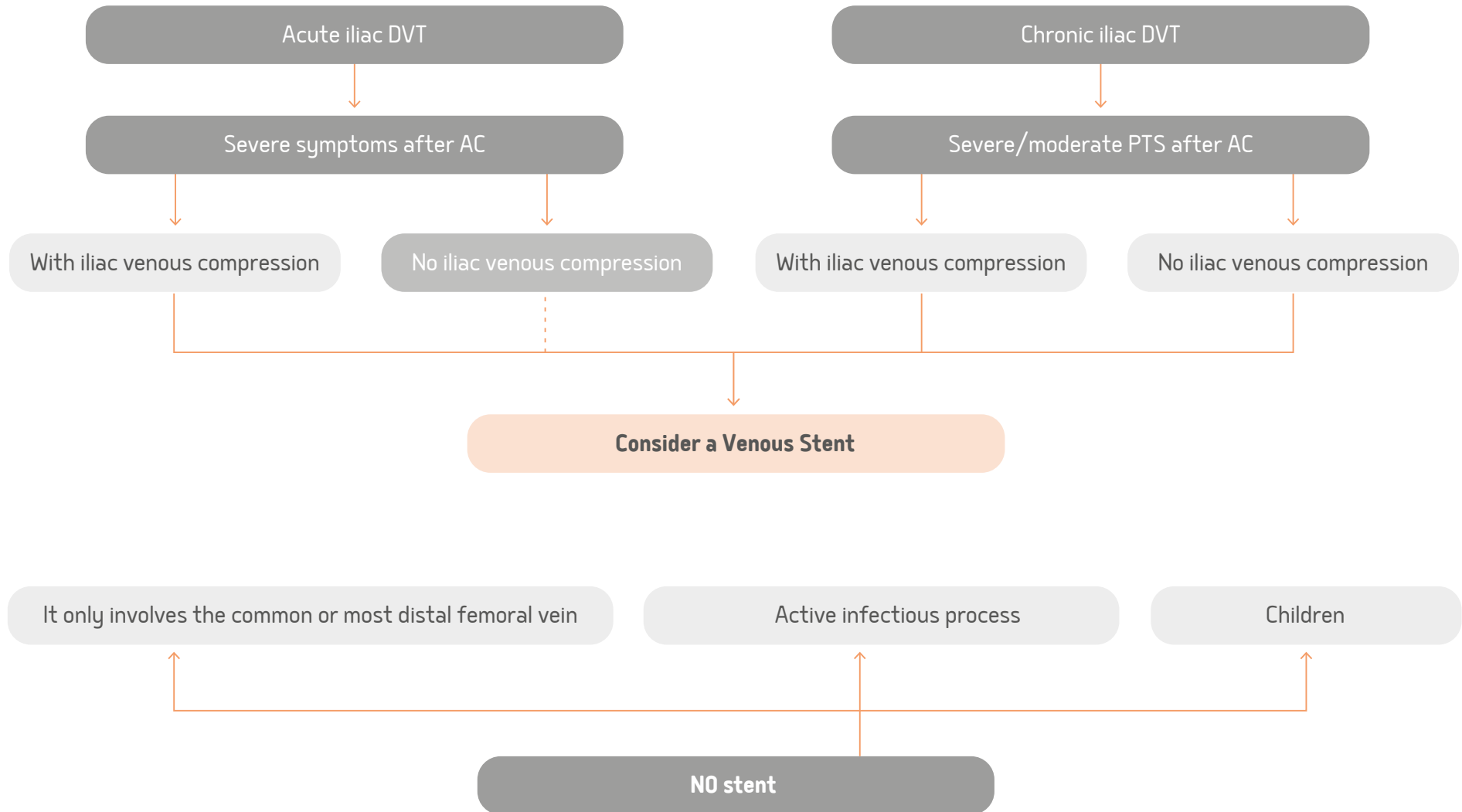
- ✓ Diameter +20% of venous \emptyset :
 - Iliac axis: 14-16 mm.
 - Iliofemoral axis: 12-14 mm.
- ✓ Length: preferably \geq 80 mm.
- ✓ Proximal end: straight or beveled.

TREATMENT AFTER STENT INSERTION:

- ✓ Restart anticoagulant therapy with LMWH early.
- ✓ For \geq 6 months if there is a low risk of bleeding, idiopathic DVT, or a minor RF.
- ✓ Antiplatelet therapy should be administered when anticoagulant therapy is discontinued.

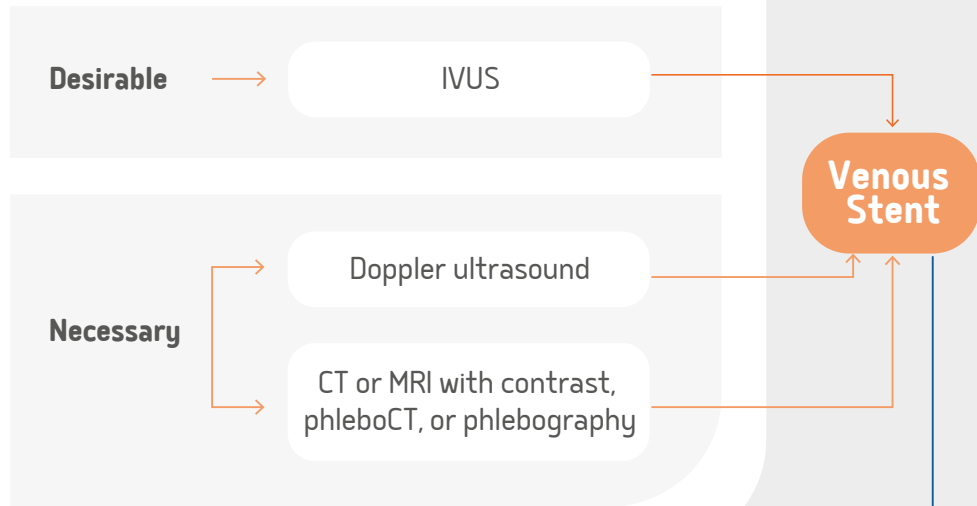
CONTRAINDICATIONS:

- ✓ Non-iliac DVT (acute or chronic).
- ✓ During an active infection.
- ✓ Children.



Abbreviations: IVUS, intravenous ultrasound; CT, computed tomography; MRI, magnetic resonance imaging; phleboCT, CT phlebography.

Previous imaging tests



Stent characteristics

- Diameter**
- Iliac axis: 14-16 mm.
 - Femoral axis: 12-14 mm.
- Relative Diameter**
- +20% of venous diameter.
- Stent Characteristics**
- Good visibility.
 - Easy and precise release.
 - Great flexibility, radial strength and compressive strength.

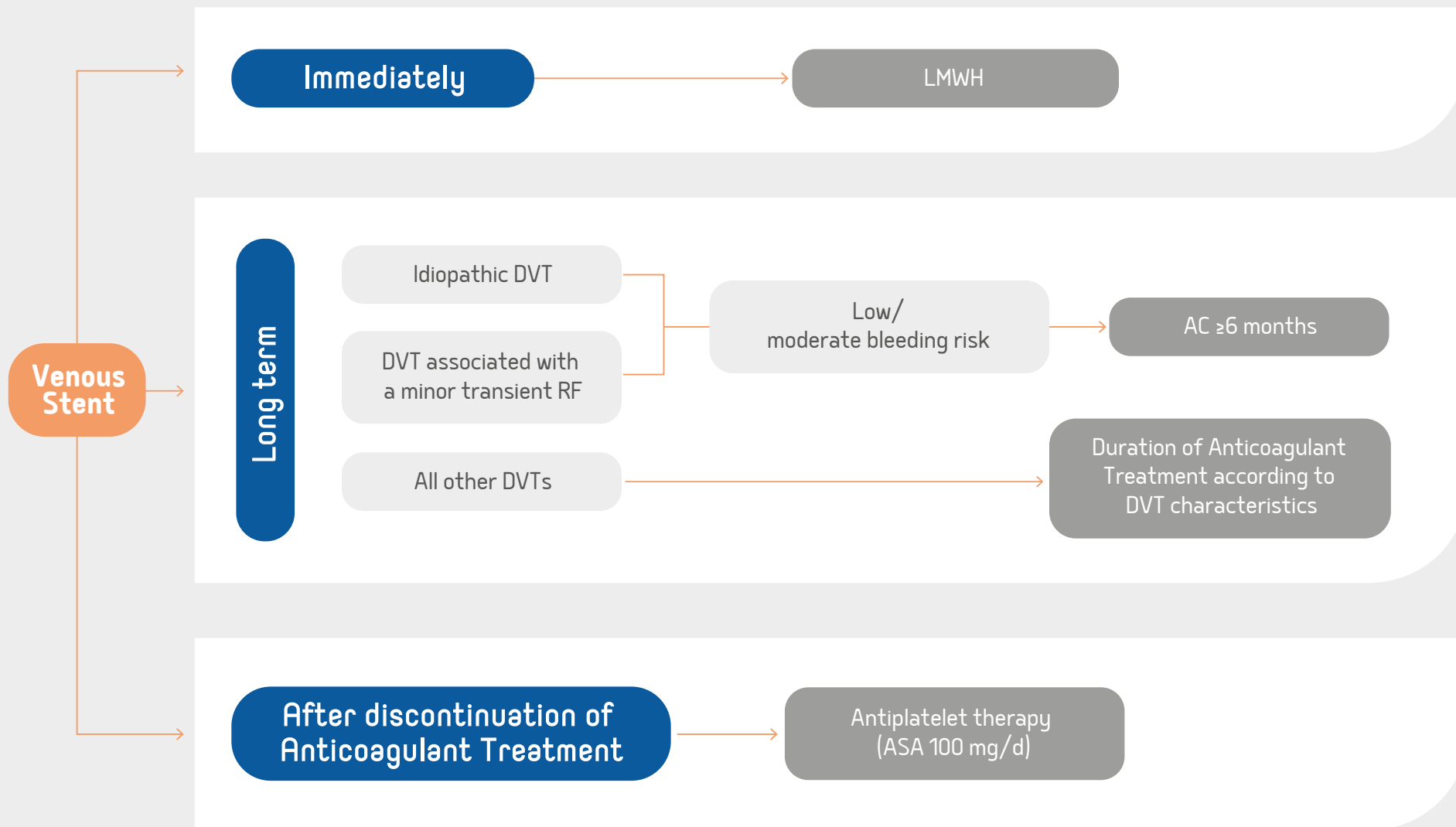
Subsequent imaging tests



Precautions

- Avoid superimposing 2 stents under the inguinal ligament.
- Do not interfere with the flow of the contralateral common iliac vein.

Abbreviations: IVUS, intravenous ultrasound; CT, computed tomography; MRI, magnetic resonance imaging; phleboCT, CT phlebography.



Abbreviations: DVT, deep vein thrombosis; LMWH, low molecular weight heparin; RF, risk factor; AC, anticoagulation/anticoagulant; ASA, aspirin.

