VICI VENOUS STENT® System

Case of occluded ilio-femoral vein

Treated with VICI VENOUS STENT®
52 y/o woman with h/o iliofemoral DVT in 2011. Treated conservatively with AC, stocking and early ambulation.
2015 severe venous claudication, swelling despite compliant with stocking, no skin changes. DUS showed patent peripheral CFV, FV and popliteal vein; segmental reflux in the popliteal vein

CT – no IVC involvement

Ascending venography show good inflow, peripheral CFV patent
Access mid–thigh under DUS guidance
Initial venogram with AP and oblique images

AP image

Oblique 50° image
Recanalization performed.
Stenting length measured by measuring catheter.
Balloon dilation performed with 16mm balloon high pressure balloon. Upper landing zone decided by balloon impression during dilation and post-dilation venogram.

Balloon impression

Post-dilation venogram
Two closed cell nitinol stents, 16mm diameter x 120mm, were placed. The lower landing level of the stent was achieved.
Termination venogram in AP and oblique view

AP image

Oblique 50° image
Magnification of the stent outflow in AP and oblique view
The stent is well placed at the confluence, extending about 10mm centrally. Streaming can be seen from the inflow from the contralateral iliac vein.
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