Endovascular reconstruction of the Inferior Vena Cava and bilateral Iliac Veins,

(in a case of obstruction secondary to Retroperitoneal Fibrosis).

Alejandro Rodríguez-Morata (1), Rubén Rodríguez-Carvajal (2),
J.P. Reyes-Ortega (1), Gonzalo Alonso-Argüeso (1)

SERVICIO DE ANGIOLOGÍA y CIRUGÍA VASCULAR
Hospital Quirónsalud Málaga (1) y Marbella (2)
Disclosure

Speaker name:
Dr. Alejandro Rodríguez Morata

I have the following potential conflicts of interest to report:

☒ Consulting: BARD, BIOTRONIK, MEDTRONIC
☐ Employment in industry
☐ Stockholder of a healthcare company
☐ Owner of a healthcare company
☐ Other(s)

☐ I do not have any potential conflict of interest
CLINICAL CHARACTERISTICS:

• Female, 22. Student of Medicine
• Medical history: hypothyroidism

MEDICAL MANAGEMENT:

• Total Remission (*mycophenolate-mofetil, methylprednisolone, prednisone*)

SYMPTOMATOLOGY:

• Chronic severe lumbar, pelvic and lower limbs pain
• Dyspareunia
CT Angiography

Iliocaval occlusion

Giant pelvic varicosities
CT Angiography

Giant pelvic varicosities
Diagnostic Ilio-cavography

Right femoral vein

Left femoral vein
Endovascular strategy

1º) Achieve endovascular iliacaval reconstruction

2º) Varicose pelvic veins embolization
1st Endovascular treatment
1st Endovascular treatment

Bilateral femoral vein access 10F

Trail Blazer
1st Endovascular treatment

PTA Mustang 8 mm (Boston Scientific ®)
1st Endovascular treatment

Predilatation
Atlas Gold 12-14 mm
(Bard ®)
1st Endovascular treatment

Sinus Oblicus
16 x 60 (Optimed®)
1st Endovascular treatment
1st Endovascular treatment

Sinus Venous
16 x 60 – 14 x 60 mm (Optimed ®)
1st Endovascular treatment

Postdilatation Atlas Gold (Bard ®)
1st Endovascular treatment
1st Endovascular treatment

Before

After
1st Endovascular treatment

FOLLOW UP 1 MONTH

- Rivaroxaban + Clopidogrel
- **Complete** pain relief in limbs
- **Persistent** moderate back pain
- **Severe** pelvic pain, congestion and dyspareunia
2nd Endovascular treatment

6 months later
2⁰ Endovascular treatment
2nd Endovascular treatment

Microcoils
Concerto (Covidien®)
2nd Endovascular treatment

Polidocanol 2% foam sclerotherapy
2nd Endovascular treatment
2nd Endovascular treatment

FOLLOW UP 3 MONTHS

-after the embolization-

Rivaroxaban + AAS

Almost complete improvement
COMMENTS

1. One of the very few cases reported of iliocaval bilateral reconstruction in occlusion due to retroperitoneal fibrosis.

2. Endovascular treatment of benign iliocaval occlusive disease is safe and minimally invasive technique.

3. In case of failure, the endovascular procedure does not preclude further surgical reconstruction.
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vascular@rodriguezmorata.es