Treatment of telangiectasias by microsurgery

Traitement des télangiectasies par microchirurgie

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Disclosure

I do not have any potential conflict of interest

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Telangiectasias

• **Definition:** intra-dermal dilatations of the sub-papillary venous plexus

• Badly defined entity (clinic and physiopathology)

• Large differential diagnosis

• Not strictly varicose veins

• Frequently reveal CVD of which they are one of the clinical signs (class C1 of the CEAP classification)
Telangiectasias

- Isolated
- Diffuse
- Consecutive to venous reflux

Sclerotherapy
Laser
Telangiectasias

- Isolated
- Diffuse
- Consecutive to venous reflux

Collagenic vasculopathy
Telangiectasias

• Isolated

• Diffuse

• Consecutive to venous reflux
Telangiectasias

• Isolated

• Diffuse

• Consecutive to venous reflux
Investigations

• Mandatory
  – Feeding veins’ or perforator reflux?

• Clinical examination
  – Standing
  – Lying
  – Side-illumination

• Duplex
Side-illumination
(épiscopie, lumière froide)

Diagnostic
Preoperative marking
Easy – Simple - Effective
Economic

Sclerotherapy of feeder vein
Surgery - Phlebectomy - EVT

- Saphenous or tributaries’ insufficiency
Microsurgery - Phlebectomy

Reticular veins
Microsurgery - Phlebectomy

Small perforators
Microsurgery - Curettage

Peroperative sclerotherapy
Curettage – peroperative sclerotherapy

8 weeks
Curettage – peroperative sclerotherapy

6 weeks
Peroperative sclerotherapy - START

Sclerotherapy in Tumescent Anaesthesia of Reticular veins and Telangiectasias

Concept: Compression!

Ramelet A.-A.
Compression ?

Stockings
Spider veins cannot be compressed

6 mm Hg

100 mm Hg

Collection H. Partsch
Post-sclerotherapy perivenous tumescent compression to improve results
Post-sclerotherapy perivenous tumescent compression to improve results
Post-sclerotherapy perivenous tumescent compression to improve results
Compression?

Stockings

Perivenous compression
Take home message

• Diagnosis of Telangiectasias
  – They are not all venous
  – Investigations (reflux?)

• Surgery (mostly Phlebectomy)
  – Feeder vein/perforator (any size)
  – Curettage
  – Association to sclerotherapy (START)
Thank you