

**SCLEROTHERAPY:**

**ART**

**&**

**SCIENCE**

# History:

1851 – syringe invented

1853 – sclerotherapy

1980s – duplex Doppler ultrasound

# Causes:

Family history

Prolonged standing

Surgical stripping

Pregnancy

Gula, Acedia

OCP, HRT

Luxuria

lust

Gula

gluttony

Avaritia

greed

Acedia

sloth

Ira

wrath

Invidia

envy

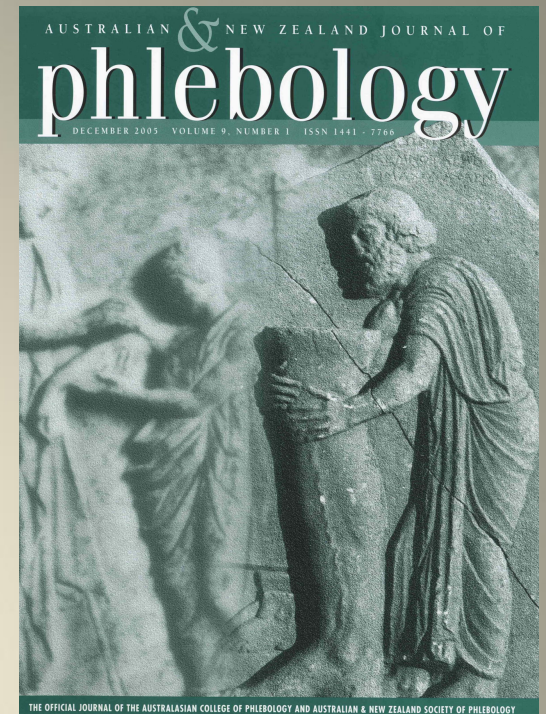
Superbia

pride

# PHLEBOLOGY TECHNIQUES:

- Microsclerotherapy
- Superficial sclerotherapy
- Ultrasound Guided Sclerotherapy
- Endovenous Laser Ablation
- Phlebectomy
- Doppler
- Duplex Scanning

# What should I do?

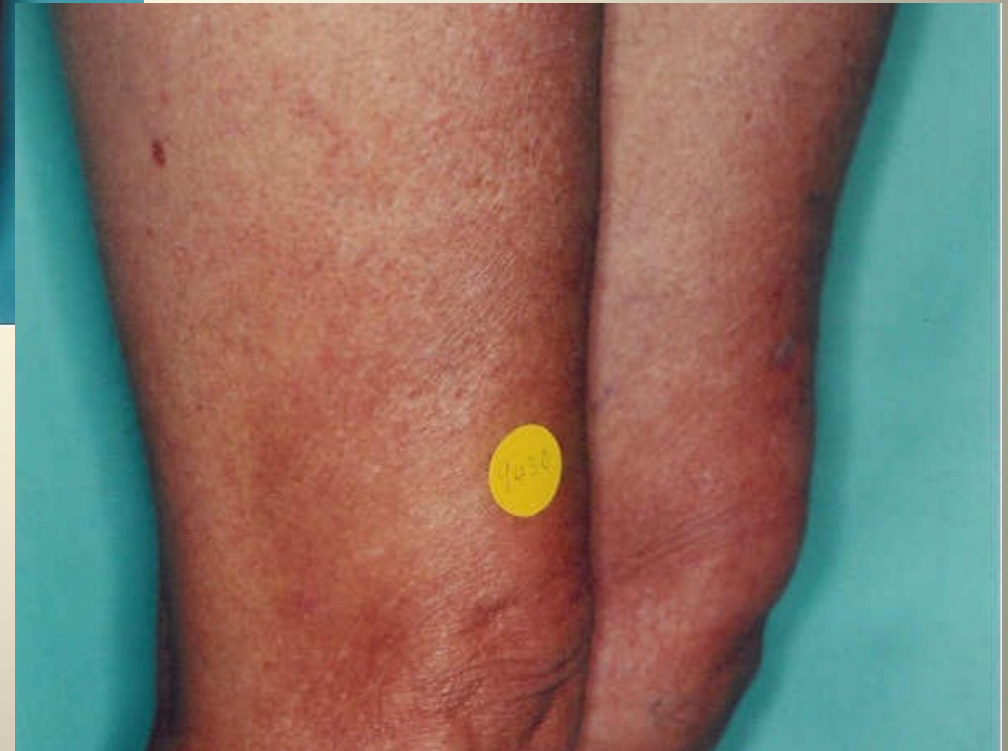
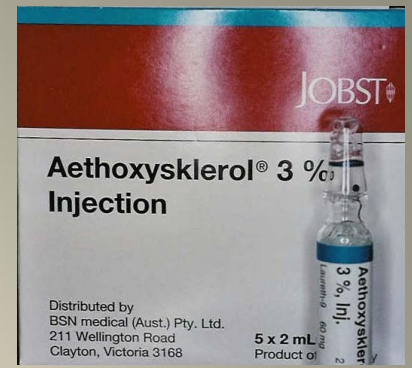


- Australasian College of Phlebology
- Texts books
- Preceptorship
- Certified Sclerotherapist(Certificate Course)

# Use a CW Doppler



# Start cautiously





# Know your solutions:

- (Hypertonic saline 20%)
- Laureth-9 (polidocanol – Aethoxysclerol)  
2mg/Kg/day
- STS - sodium tetradecylsulphate  
(Fibrovein)  
4mls 3%, 10mls 1%,0.5%

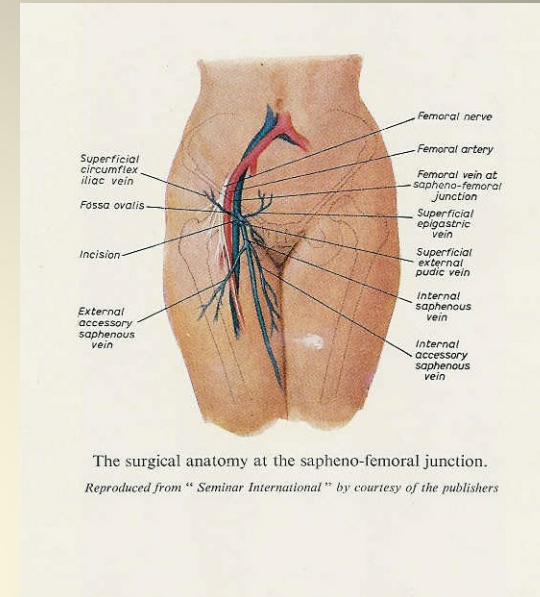
# Become familiar with compression stockings

- mmHg
- European class 1 to 4
- US class 1 to 4

# Know the complications and how to treat them

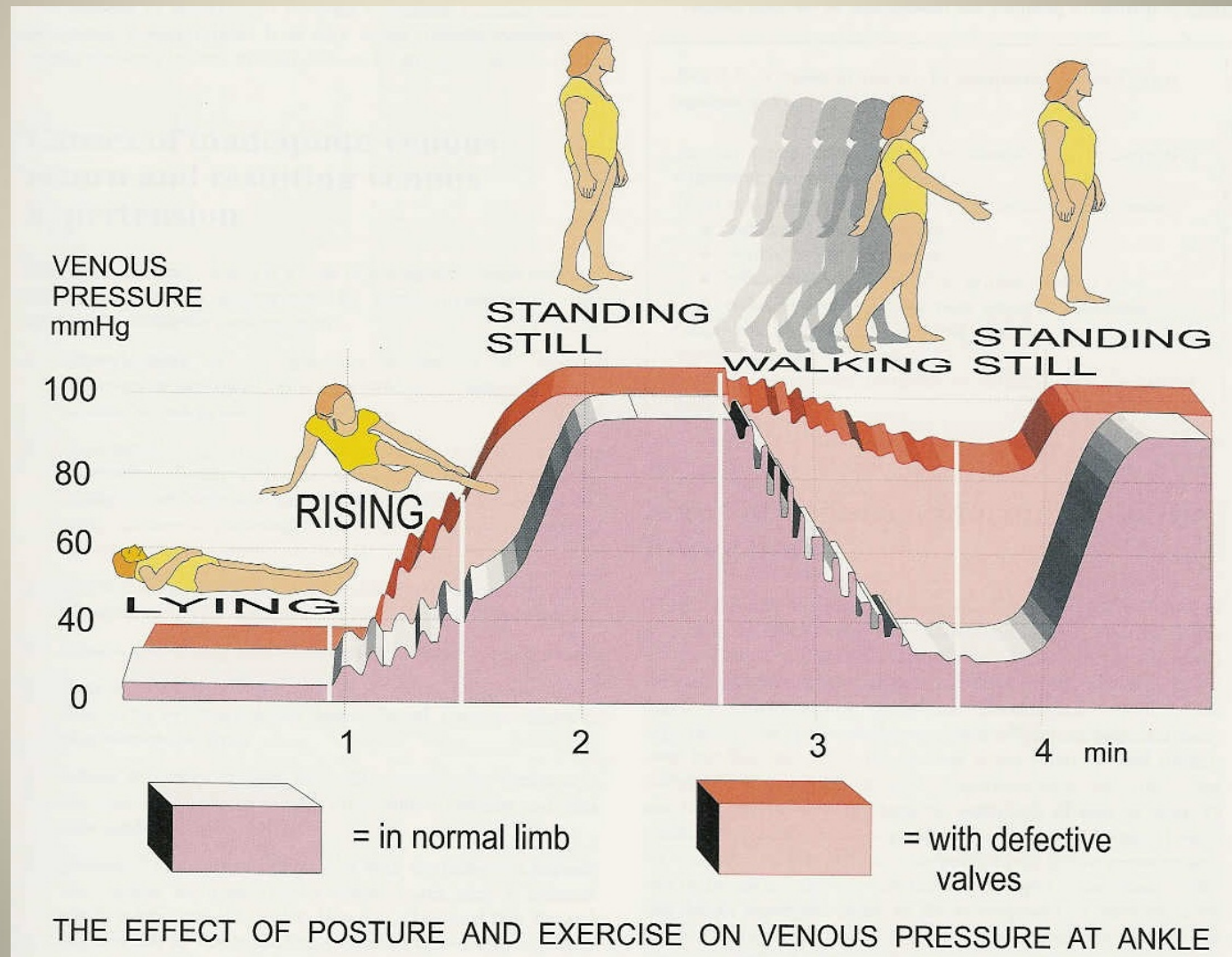


# Anatomy:



10.00 to 11.30 – Mark Elvy

# Physiology:





# Presentation

*Cosmetic:*



# Presentation

## *Symptoms:*

- Pain
- Burning
- Aching
- Heaviness
- Throbbing
- Restless legs
- Leg cramps



# Presentation

## *Complications:*

- Hyperpigmentation
- Bleeding
- Thrombophlebitis
- Eczema
- Oedema
- Ulceration
- Infection
- Atrophie Blanche
- Lipodermatosclerosis







# Management

- Consultation
- Photography
- Doppler / Duplex
- Treatment options
- Sclerotherapy, EVLA, UGS, phlebectomy
- Compression
- Review / re-treat

# Who's up to date?

- Great and small saphenous veins
- Laureth-9 (polidocanol)
- Treat the varicosities to heal the ulcer
- No upper limit of size for non-surgical procedures
- Distal perforators are re-entry sites
- Varicose vein not used for CABGs
- A growing number of vascular surgeons consider flush ligation and stripping to be obsolete

Crossing your legs does not  
cause varicose veins

High heel shoes?