

# Single centre experience with cyanoacrylate glue for the first 100 truncal veins using the VenaSeal™ Closure System

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# Disclosure

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Speaker name: Mr. Mojahid Najem

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I have the following potential conflicts of interest to report:

- Consulting
- Employment in industry
- Stockholder of a healthcare company
- Owner of a healthcare company
- Other(s)
  
- I do not have any potential conflict of interest

# Cyanoacrylate (Venaseal™)

- 7 Fr delivery system
- Non tumescence
- No compression
- No generator
- Low pain
- No risk of thermal injury
- FDA approval 2015
  
- West London Vascular and interventional centre: March 2017

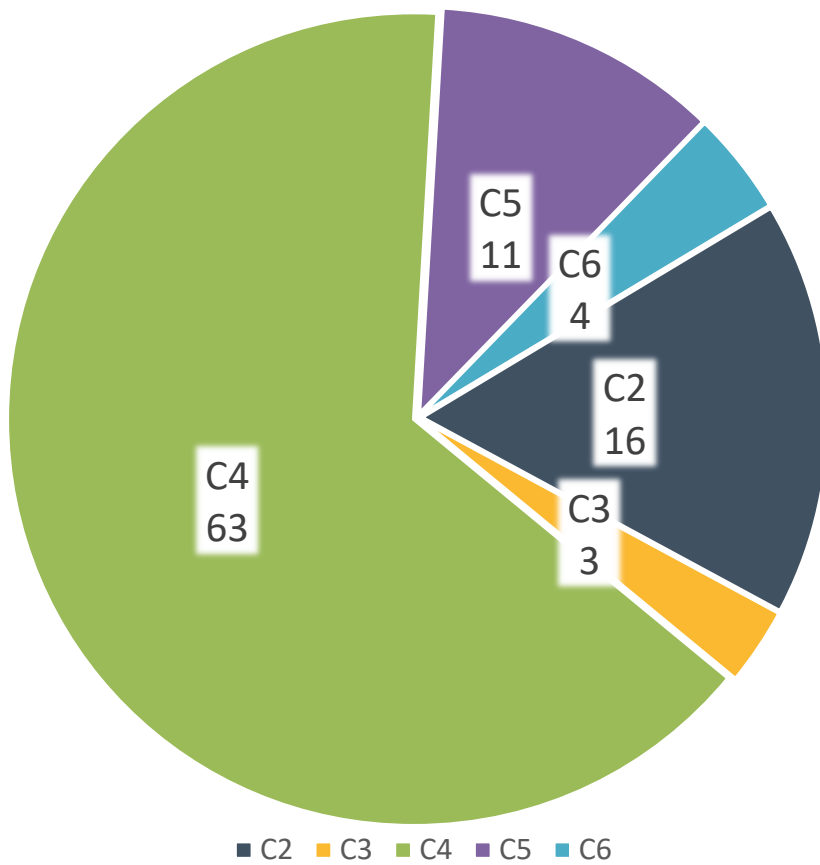
# Method

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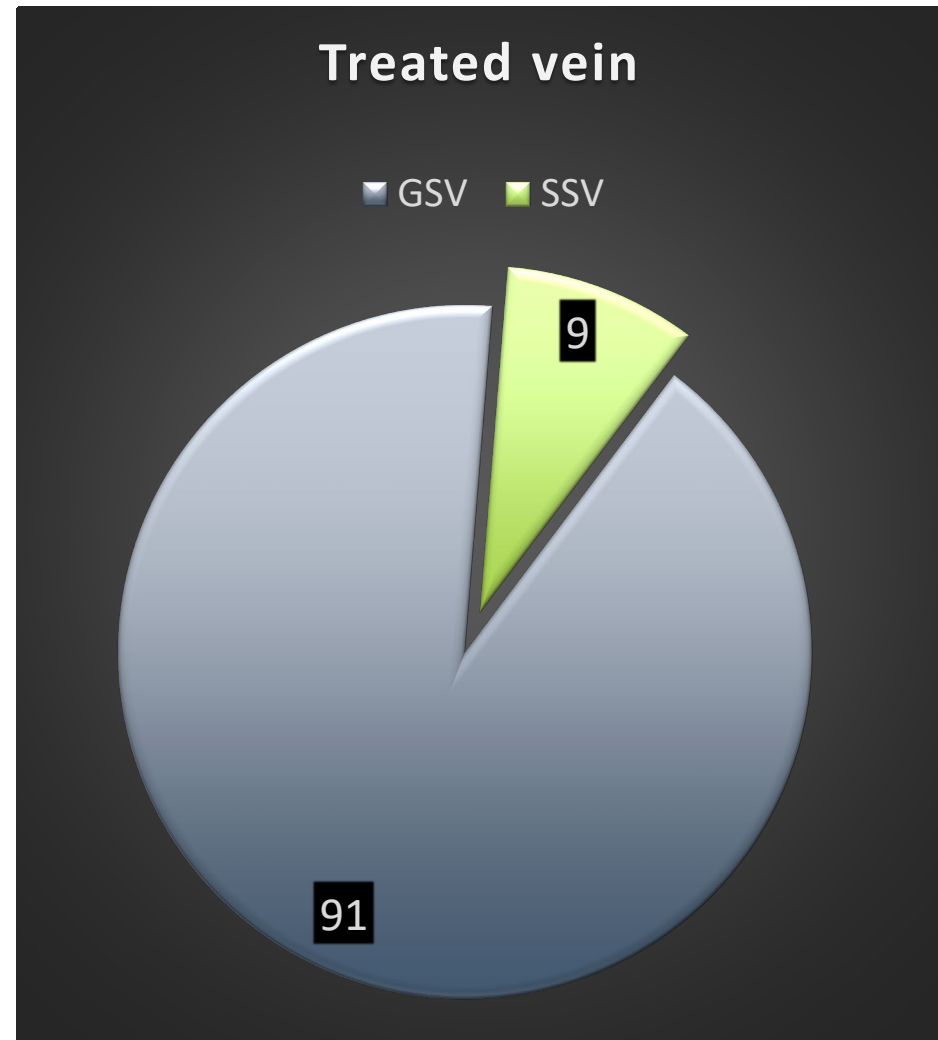
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- 53 patients Underwent VenaSeal™ Closure System ablation.
- 53 procedures
- Age 30-86
- Follow up between 2 & 15 months post-procedure.
- 100 truncal veins treated
  - Size 11.8 to 3 mm (Median 6 mm)
  - Average treated length of the GSV was 40 cm.

## CEAP Classification



## Treated vein



# Results

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- Immediate technical success was achieved in 100% of patients.
- Duplex scan:
  - 98% success at 2 months
  - 95% at 1 year (89% full occlusion, 6% partial occlusion).
- 50 patients (94%) were satisfied with the results.
- Periprocedural pain was 1-3

# Further treatments

- **Further planned procedures:** 4 patients  
(2 Foam sclerotherapy, 2 Phlebectomies)
  
- **Recurrence:**
  - 4 Veins (3 GSV & 1 SSV)
    - 1 patient has large body habitus
    - Vein sizes (6-9 mm)
    - 3 were asymptomatic
  
- **Re-intervention:** 1 patient (RFA and foam)
  - 8 mm GSV

# Complications

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- **Transient superficial phlebitis:** 12% → All self limiting
- **DVT:** 1 patient (developed 9 weeks after procedure)
- **Granuloma** at the puncture site: 1 patient (managed conservatively)
- **Pain:** One patient has pain along in both treated legs (Below knee segment of the GSV). Short course of steroid treatment. ?  
Reaction to the glue.



# Conclusions:

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- ❖ Cyanoacrylate glue is a safe and effective modality to ablate truncal varicose veins in the short term.
- ❖ There is a high satisfaction rate and low peri-procedural pain.
- ❖ Early results are promising. Further evaluation and longer term follow-up are required.

Thank you

