



Michelle Cooper has completed this personal reflection on **18/02/2020**

Paper: Winter CPD Questions 2020

Personal Reflection:

Description of the learning: Questions based on two papers, 1. Comparison between duplex ultrasound and multigate quality Doppler profile software in the assessment of lower limb perforating vein direction (Gianesini et al 2018), and 2. Reappraisal of the utility of the tilt-table in the investigation of venous disease (Lattimer & Mendoza 2016).

Evaluation and analysis.

Paper 1. The research evaluates the difference between perforating vein (PV) outflow lasting more than 500ms and net outward flow of the same vessel, and found a lack of overlap between the two measurements.

Paper 2. Manoeuvres using air plethysmography on a tilt-table have the potential to quantify the contributions of obstruction and reflux in patients with venous disease. This could have determine which patients will benefit from intervention, and whether obstruction or reflux should be treated first.

Conclusion.

Paper 1. This challenges the traditional definition of PV incompetence. Further research is required to identify a gold standard assessment of PVs.

Paper 2. The use of a tilt-table allows the effects of gravity to be standardised and therefore reflux and obstruction can be quantified.