



**Michelle Cooper** has completed this personal reflection on **05/11/2018**

**Paper:** Autumn 2018 CPD questions

**Personal Reflection:**

Description of the learning: Questions based on two papers,

Paper 1. Spiral laminar flow: a survey of a three-dimensional arterial flow pattern in a group of volunteers

Paper 2. Multi-slice CT angiography versus duplex ultrasound in detection of stenosis of access arteriovenous fistulas and grafts in dysfunctional hemodialysis

Evaluation and analysis.

Paper 1: Spiral laminar flow was the predominant flow pattern observed in the study. Further studies are needed to investigate the function of the arterial wall in relation to flow patterns.

Paper 2: MS-CTA and Duplex are comparable for the assessment of AFV, but MS-CTA is better than duplex for assessing the central veins