



Michelle Cooper has completed this personal reflection on **13/08/2021**

Paper: Summer 2021 CPD Questions

Personal Reflection:

Description of the learning: Questions based on two papers; 1. Arteriovenous fistula surveillance using tomographic 3D ultrasound (Rogers et al) and Outcomes of small AAA in octogenarians and nonagenarians (Vega de Ceniga).

Evaluation and analysis

Paper 1: Tomographic ultrasound is an emerging technology which is equally as accurate as convention duplex ultrasound in detecting AVF complications, but requires less skill and is quicker. However, TUS does not provide haemodynamic information and flow analysis, so TUS is unlikely to entirely replace DUS.

Paper 2: There is a very small risk of late rupture of AAA in small incidental AAAs detected in octo- and nonagenarian patients, and global mortality is high. Conservative management of patient in this group seems sensible, with strict selection of patients would benefit from ongoing surveillance and potentially repair. This research could in future influence decisions regarding the management and surveillance strategies of patients in this group.