Scanning Electron Microscopy Features | Conventional Perfusion Flap (CPF) | Arterialized Venous Flap (AVF) | Main differences
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General vascular morphology | ![Image A](imageA.jpg) | ![Image B](imageB.jpg) | Higher vascular density around arteries and veins in AVFs
Large vein morphology | ![Image C](imageC.jpg) | ![Image D](imageD.jpg) | Loss of venous valves/venous valve competency in the afferent end of the AVF
Small vein morphology | ![Image E](imageE.jpg) | ![Image F](imageF.jpg) | Loss of venous valves/venous valve competency in most AVF venules
Angiogenesis | ![Image G](imageG.jpg) | ![Image H](imageH.jpg) | AVFs present intense sprouting and intussusceptive angiogenesis

Sprouting angiogenesis present in both flaps. In AVFs, capillary vessels sprout from venules.