

Table 5 Complications of ECCO₂R

| Study | Year | Modality | Complication Rate | Description |
|---------------------------------------|------|-----------------|-------------------|---|
| Bein T et al. ¹⁹ | 2013 | AV ^a | 7.5 % | 1 x lower limb ischaemia 2 x aneurysm |
| Neirhaus A et al. ²⁸ | 2011 | AV | 21.4 % | 2 x catheter displacement 1 x bleeding at insertion site |
| Weber-Carstens S et al. ²⁵ | 2009 | AV | 6.3 % | 1 x transient occlusion of femoral artery during cannulation |
| Zimmermann M et al. ²⁰ | 2009 | AV | 11.8% | 3 x lower limb ischaemia 1 x cannula thrombosis 1 x bleeding during cannulation 1 x compartment syndrome |
| Terragni PP et al. ²² | 2009 | VV ^b | 25% | 1 x pump malfunction 3 x membrane/haemofilter clotting 1 x catheter displacement 3 x cannula problems |
| Muellenbach RM et al. ²⁶ | 2008 | AV | 23% | 2 x lower limb ischaemia 1 x femoral artery pseudoaneurysm 1 x lower limb amputation 1 x catheter displacement |
| Bein T et al. ²⁷ | 2006 | AV | 24.4% | 9 x lower limb ischaemia 4 x cannula thrombosis 4 x compartment syndrome 2 x aneurysm 1 x haemolysis 1 x intracerebral haemorrhage 1 x diffuse bleeding with shock on cannulation |
| Liebold A et al. ²⁹ | 2002 | AV | 21% | 7 x cannula thrombosis 1 x membrane clotting 3 x lower limb ischaemia 5 x membrane plasma leakage |
| Guinard N et al. ²² | 1997 | VV | NR | NR |
| Morris AH et al. ¹⁸ | 1994 | VV | NR | 21 x non-CNS haemorrhage (7 requiring discontinuation of ECCO2R) 4 x circuit clotting |
| Brunet F et al. ²³ | 1994 | VV | 18.2% | 1 x alveolar haemorrhage 1 x diffuse bleeding |
| Bindslev et al. ³⁰ | 1991 | VV | NR | 1 x allergic reaction |
| Gattinoni L et al. ²⁴ | 1986 | VV | NR | 3 x intra-pulmonary bleeding |

^a Arteriovenous^b Venovenous