- 14 Kanda T. Investigation of the freely-available easy-to-use software EZR for medical statistics. *Bone Marrow Transplant* 2013;**48**: 452–8.
- 15 Panayiotopoulos YP, Edmondson RA, Reidy JF, Taylor PR. A scoring system to predict the outcome of long femorodistal arterial bypass grafts to single calf or pedal vessels. *Eur J Vasc Endovasc Surg* 1998;**15**:380–6.
- 16 Panayiotopoulos YP, Tyrrell MR, Owen SE, Reidy JF, Taylor PR. Outcome and cost analysis after femoropedal grafting for critical limb ischemia. *Br J Surg* 1997;**84**:207–12.
- 17 Rashid H, Slim H, Zayed H, Huang DY, Wilkins CJ, Evans DR, et al. The impact of arterial pedal arch quality and angiosome revascularization on foot tissue loss healing and infrapopliteal bypass outcome. *J Vasc Surg* 2013;**57**:1219–26.
- 18 Westin GG, Armstrong EJ, Javed U, Balwanz CR, Saeed H, Pevec WC, et al. Endovascular therapy is effective treatment for focal stenoses in failing infrapopliteal vein grafts. *Ann Vasc Surg* 2014;**28**:1823–31.
- 19 Simosa HF, Pomposelli FB, Dahlberg S, Scali ST, Hamdan AD, Schermerhorn ML. Predictors of failure after angioplasty of infrainguinal vein bypass grafts. *J Vasc Surg* 2009;**49**:117–21.
- 20 Kobayashi T, Hamamoto M, Takanobu O, Hasegawa M, Takahashi S. Long term outcomes of endovascular therapy for failing distal bypass vein graft. *Eur J Vasc Endovasc Surg* 2021;**61**:121–7.
- 21 El Khoury R, Wu B, Edwards CT, Lancaster EM, Hiramoto JS, Vartanian SM, et al. The Global Limb Anatomic Staging System is associated with outcomes of infrainguinal revascularization in chronic limb threatening ischemia. *J Vasc Surg* 2021;**73**:2009–20.
- 22 Tokuda T, ObaY Koshida R, Kagase A, Matsuda H, Suzuki Y, et al. Validation of Global Limb Anatomical System (GLASS) in patients with hemodialysis and chronic limb-threatening ischemia after endovascular treatment. *Heart Vessels* 2021;**36**:809–17.
- 23 Kawarada O, Fujihara M, Higashimori A, Yokoi Y, Honda Y, Fitzgerald PJ. Predictors of adverse clinical outcomes after successful infrapopliteal intervention. *Catheter Cardiovasc Interv* 2012;**80**:861–71.
- 24 Troisi N, Turini F, Chisci E, Ercolini L, Frosini P, Lombardi R, et al. Pedal arch patency and not direct-angiosome revascularization predicts outcomes of endovascular interventions in diabetic patients with critical limb ischemia. *Int Angiol* 2017;**36**:43–4.
- 25 Spillerova K, Biancari F, Leppäniemi A, Albäck A, Söderström M, Venermo M. Differential impact of bypass surgery and angioplasty on angiosome-targeted infrapopliteal revascularization. *Eur J Vasc Endovasc Surg* 2015;**49**:412–9.
- 26 Azuma N, Uchida H, Kokubo T, Koya A, Akasaka N, Sasajima T. Factors influencing wound healing of critical ischemic foot after bypass surgery: is the angiosome important in selecting bypass target artery? *Eur J Vasc Endovasc Surg* 2012;**43**:322–8.

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