Appendix 1 to McGregor TB, Patel P, Sener A, et al. Vascular control during laparoscopic kidney donation. *Can J Surg* 2017.

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Online appendices are unedited.

Donor surgeon responses with regards to laparoscopic device malfunction.

Has your centre ever experienced a stapler misfire during a laparoscopic donor nephrectomy?	Yes No	8 (28.5%) 20 (71.5%)
Has your centre ever had trouble with surgical clips falling off or slipping during a laparoscopic donor nephrectomy?	Yes No	12 (43%) 16 (57%)
Do you think the incidence of stapler misfire is under-reported in the literature?	Yes No	23 (82%) 5 (18%)
Do you think the incidence of surgical clip malfunction is under-reported in the literature?	Yes No	26 (93%) 2 (7%)

Morbidity and mortality of device malfunction.

Device malfunction	**Outcome**
Stapler misfire (n = 9)	Salvaged with repeat stapler fire (n = 3) Salvaged with laparoscopic vascular clamp and suture (n = 2) Salvaged with conversion to open (n = 1) Salvaged with hand-port (n = 1) Covert to open – death (n = 1) Outcome not reported (n = 1)
Titanium clip falling off (n = 4)	Salvaged with conversion to open (n = 3) Outcome not reported (n = 1)
Weck® Hem-o-lok® clip falling off (n = 8)	Salvaged with conversion to open (n = 2) Emergency laparotomy POD#1 (n = 1) Vessel sheared, titanium clip reapplied (n = 1) Outcome not reported (n = 4)