

Appendix 1: The detail contents for patients planning for hybrid partial nephrectomy

- (I) The treatment efficacy and most surgical risks of UBo-HPN are similar to conventional robot-assisted laparoscopic partial nephrectomy;
- (II) All intra-abdominal anatomical structures other than the tumor mass, including the renal hilum, paracolic sulcus, inferior vena cava sheath, and various ligaments that are otherwise required in conventional partial nephrectomy, are avoided during UBo-HPN;
- (III) Vascular intervention may cause vascular damage, such as arterial dissection or arterial rupture;
- (IV) The use of heparin during vascular intervention may increase the risk of bleeding;
- (V) UBo-HPN costs about 2,000 yuan (about 300 dollars) more than conventional partial nephrectomy.