

Supplementary Table S1. Haemoglobin (Hb) thresholds for red blood cell transfusion or alternatives usage in adults

HB Level	Suggested Approach
<7 g/dl (non-cardiac patient)	Transfuse 1 red cell unit at a time and test Hb <sup>1</sup>
<8 g/dl (cardiac patient)	Transfuse 1 red cell unit at a time and test Hb <sup>1</sup>
>7 g/dl but <13 g/dl	Consider transfusion if symptomatic
	Check for causes of anaemia:
	Use intravenous iron if iron deficient (ferritin<30 ng/ml or <100ng/ml and transferrin saturation<20% ) <sup>2</sup>
	Administer Erythropoietin analogues in chronic kidney disease and malignancy (if iron is replenished) <sup>3</sup>
	Control blood loss intraoperatively:
	Administer tranexamic acid at start and end of surgery <sup>4</sup>
	Administer continuous norepinephrine and Ringer's maleate solution <sup>5</sup>

<sup>1</sup> Yaddanapudi, S. and L. Yaddanapudi, Indications for blood and blood product transfusion.

Indian journal of anaesthesia, 2014. 58(5): p. 538-542.

<sup>2</sup> Muñoz, M., et al., International consensus statement on the peri-operative management of anaemia and iron deficiency. Anaesthesia, 2017. 72(2): p. 233-247

<sup>3</sup> Warner, M.A., et al., Perioperative Anemia: Prevention, Diagnosis, and Management Throughout the Spectrum of Perioperative Care. Anesth Analg, 2020. 130(5): p. 1364-1380.

<sup>4</sup> Zaid, H.B., et al., Efficacy and Safety of Intraoperative Tranexamic Acid Infusion for Reducing Blood Transfusion During Open Radical Cystectomy. Urology, 2016. 92: p. 57-62.

<sup>5</sup> Wuethrich, P.Y., et al., Intraoperative Continuous Norepinephrine Infusion Combined with Restrictive Deferred Hydration Significantly Reduces the Need for Blood Transfusion in

Patients Undergoing Open Radical Cystectomy: Results of a Prospective Randomised Trial.

European Urology, 2014. 66(2): p. 352-360.