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### Audit of perioperative anaemia in vascular patients at the countess of Chester Hospital, UK

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**Background:** How common is Anaemia? Anaemia accounts for 8.8% of disability from all conditions. In the elderly, 11% of males and 10.2% of females aged > 65 years, rising to 26.1% and 20.1% respectively in those > 85 years old. Most of these patients are elderly, have IHD, diabetics, and have chronic kidney disease. Partridge J, Harari D, Gossage J, Dhesi J. Anaemia in the older surgical patient: a review of prevalence, causes, implications and management. Journal of the Royal Society of Medicine.

**Target:** When using a restrictive red blood cell transfusion threshold, consider a threshold of 70 g/litre (80 for ACS) and a haemoglobin concentration target of 70–90 g/litre (80-100 for ACS) after transfusion. Alternatives to blood transfusion for patients having surgery: Erythropoietin Intravenous and oral iron & Cell salvage and tranexamic acid. Consider intra-operative cell salvage with tranexamic acid for patients who are expected to lose a very high volume of blood (for example in cardiac and complex vascular surgery, major obstetric procedures, and pel vic reconstruction and scoliosis surgery).

**Conclusion:** Preoperative Anaemia is a common finding in vascular surgical patients. Preoperative Anaemia is associated with intraoperative and postoperative autologous blood transfusion as well as increased hosp LOS CoCH preoperative anaemia in vasc surg pts is mostly treated with blood transfusion. NG24 recommends using oral and intravenous Fe++ for Rx preoperative anaemia and adopting a restrictive transfusion protocol – we are not compliant (based on data here)

#### Biography

Extensive and diverse experience in vascular Anesthesia and vascular service development. A special interest in regional Anesthesia in vascular patients aiming for a better perioperative care and an enhanced recovery, with appropriate training and experience with quality improvement projects. International and national experience in education, management and leadership.

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#### Notes: