

Supplementary Material

Does preoperative transfusions impact prognosis in moderate to severe anaemic surgical patients with colon cancer?

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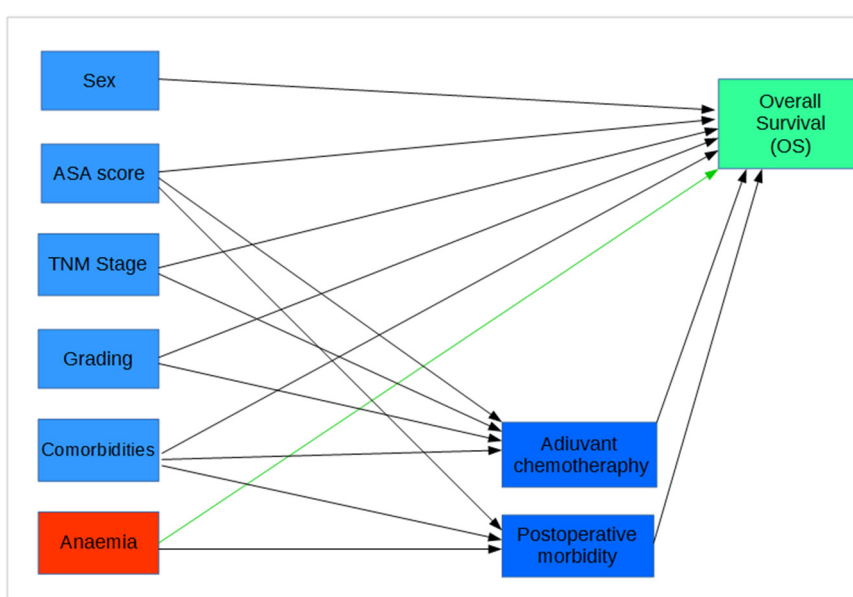


Figure S1. Directed Acyclic Graph (DAG) including anaemia

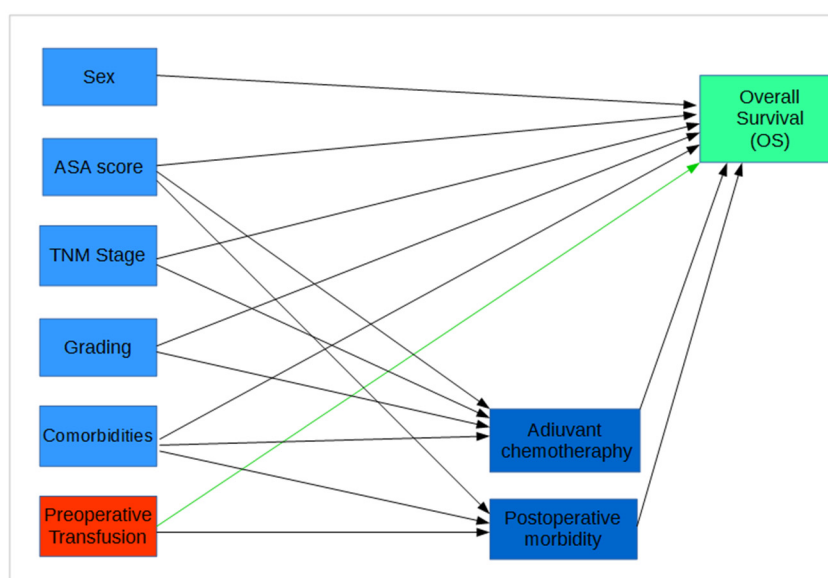


Figure S2: Directed Acyclic Graph (DAG) including preoperative transfusion

Table S1: Modified regression model including postoperative morbidity and adjuvant chemotherapy.

| | Preoperative anaemia and transfusion. HR (95% CI). | Preoperative anaemia. HR (95% CI). | Blood Transfusion. HR (95% CI).. |
|---|---|---|---|
| ASA 3-4 (vs 1-2) | 1.37 (0.97-1.94) | 1.40 (0.98-1.98) | 1.43 (1.01-2.03) |
| Female sex | 0.91 (0.68-1.22) | 0.92 (0.69-1.24) | 0.92 (0.68-1.24) |
| Adjuvant chemotherapy | 1.11 (0.78-1.58) | 1.08 (0.76-1.53) | 1.12 (0.79-1.59) |
| Postoperative morbidity | 1.23 (0.90-1.69) | 1.25 (0.91-1.71) | 1.23 (0.90-1.69) |
| Stage 3-4 (vs Stage 1-2) | 2.30 (1.64-3.23) | 2.31 (1.65-3.25) | 2.30 (1.64-3.22) |
| Poorly differentiated tumor (G3 vs G1-2) | 1.20 (0.86-1.68) | 1.18 (0.84-1.66) | 1.24 (0.89-1.79) |
| Preoperative transfusion | 1.33 (0.88-2.01) | - | 1.52 (1.03-2.27) |
| CCI (Charlson Comorbidity Index) | 1.29 (1.22-1.36) | 1.28 (1.21-1.35) | 1.30 (1.23-1.38) |
| Anaemia at admittance | 1.46 (1.02-2.07) | 1.55 (1.10-2.17) | - |

Separate regression models including anaemia or blood transfusion are fitted, alongside a model encompassing both variables.