

## APPENDIX 5. Patient Blood Management Programme Monitoring and Evaluation Benchmarks

COC\*  Date admission of  Age  Gender (M/F)

Diagnosis:

- 1.
- 2.
- 3.

<b>Preoperative evaluation date:</b>		<input type="text"/>		<b>Number of days between preoperative evaluation and surgery:</b>		<input type="text"/>	
<b>Lab investigations – tests (as per Protocol algorithm):</b>							<b>(Absolute/ Functional) Iron deficiency (Y/N)</b>
Hb (g/dL)	<input type="text"/>	TSAT (%)	<input type="text"/>	Serum ferritin (ng/mL)	<input type="text"/>	CRP (mg/L)	<input type="text"/>
<b>Iron deficiency treatment:</b>							
IV iron administration (Y/N)	<input type="text"/>	IV iron dose (mg)	<input type="text"/>	ESA** administration (Y/N)	<input type="text"/>	ESA dose	<input type="text"/>
Days before surgery of iron administration	<input type="text"/>	Rescue erythropoiesis (Y/N)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<b>Haemostasis:</b>						<input type="text"/>	
Positive answer to haemostasis questionnaire (Y/N):				<input type="text"/>	Haemostasis disorder detected (Y/N):		
Adjustment of antiplatelet drug therapy (Y/N):				<input type="text"/>			
Point of care haemostasis tests (Y/N):		<input type="text"/>	Haemostatic drugs:			<input type="text"/>	

Surgery:

Type of surgery		
Date of surgery		

Length of stay in hospital (days):		Length of stay in ICU (days):		In-hospital death (Y/N)	
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Haemoglobin (Hb, g/dL):					
At first preoperative evaluation:		Preoperative:		Postoperative:	
At discharge					

Blood loss minimisation:					
Use of micro tubes for specimen collection (Y/N):		Use of closed flush systems for arterial lines and central venous catheters (Y/N):		Use of blood salvage systems (Y/N):	

Acute haemorrhage (Y/N):		Use of the multidisciplinary protocol for acute haemorrhage (Y/N):	
Optimisation of the patient's tolerance of anaemia:			
Use of advanced haemodynamic monitoring (Y/N):			
Use of hyperoxia (Y/N):		Monitoring of anaesthetic depth or neuromuscular block (Y/N):	

Transfusions (number of units for each component):						
Packed red blood cells	Preoperative:		Intraoperative:		Postoperative:	
Platelet concentrate	Preoperative:		Intraoperative:		Postoperative:	
Fresh frozen plasma	Preoperative:		Intraoperative:		Postoperative:	
Other blood component: _____	Preoperative:		Intraoperative:		Postoperative:	

Indication code for transfusion (see Appendix 4)	
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Postoperative complications	YES	NO	
General postoperative complications - during hospital stay (Y/N), see Glossary:			Comments
Acute kidney injury			Stage:
Major adverse cardiac events (MACE)			
Myocardial infarction			
Pulmonary embolism			
Pneumonia			
Postoperative haemorrhage			
Stroke			
Surgical site infection (deep)			
Surgical site infection (superficial)			
Other complications (based on the type of surgery):	YES	NO	Comments
- -			
Transfusion-related complications			