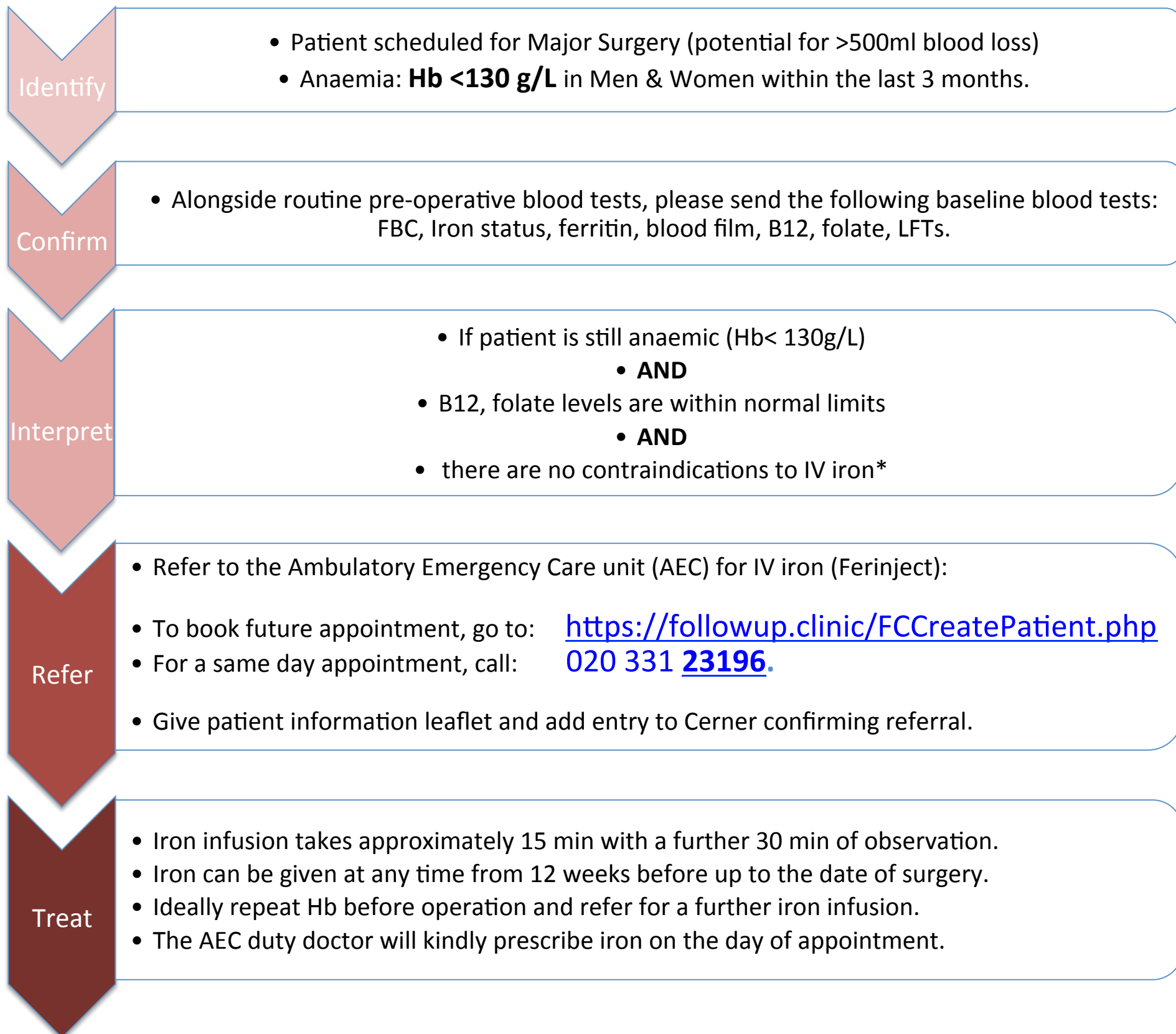


Management of preoperative anaemia

A pragmatic pathway for reducing perioperative blood transfusions



Identify

- Patient scheduled for Major Surgery (potential for >500ml blood loss)
- Anaemia: **Hb <130 g/L** in Men & Women within the last 3 months.

Confirm

- Alongside routine pre-operative blood tests, please send the following baseline blood tests: FBC, Iron status, ferritin, blood film, B12, folate, LFTs.

Interpret

- If patient is still anaemic (Hb< 130g/L)
 - **AND**
 - B12, folate levels are within normal limits
 - **AND**
 - there are no contraindications to IV iron*

Refer

- Refer to the Ambulatory Emergency Care unit (AEC) for IV iron (Ferinject):
- To book future appointment, go to: <https://followup.clinic/FCCreatePatient.php>
- For a same day appointment, call: [020 331 23196](tel:02033123196).
- Give patient information leaflet and add entry to Cerner confirming referral.

Treat

- Iron infusion takes approximately 15 min with a further 30 min of observation.
- Iron can be given at any time from 12 weeks before up to the date of surgery.
- Ideally repeat Hb before operation and refer for a further iron infusion.
- The AEC duty doctor will kindly prescribe iron on the day of appointment.

Anaemia	Treatment												
True iron deficiency	Give Ferinject IV based on weight and renal function. <table border="1"> <thead> <tr> <th>Starting Hb g/L</th> <th>Weight <35Kg</th> <th>35- 70kg</th> <th>>70 Kg</th> </tr> </thead> <tbody> <tr> <td><100</td> <td>500mg</td> <td>1500mg</td> <td>2000mg</td> </tr> <tr> <td>100 to <140</td> <td>500mg</td> <td>1000mg</td> <td>1500mg</td> </tr> </tbody> </table>	Starting Hb g/L	Weight <35Kg	35- 70kg	>70 Kg	<100	500mg	1500mg	2000mg	100 to <140	500mg	1000mg	1500mg
Starting Hb g/L	Weight <35Kg	35- 70kg	>70 Kg										
<100	500mg	1500mg	2000mg										
100 to <140	500mg	1000mg	1500mg										
Anaemia of chronic disease	IV iron dosed as above has been shown to increase haemoglobin												
B12 deficiency	B12 (Hydroxycobalamin) injection 1mg (IM) 3x/week for 2 weeks.												
Folate deficiency	Folate replacement- oral tablets 5mg/day for 4 months												
Sickle cell disease & Thalassaemias	Please ensure that these patients are discussed with a Haematologist for advice on optimisation prior to surgery.												

*Contraindications/ cautions for administering Ferinject (IV iron)

- ◆ Iron overload
- ◆ Known allergy to iron infusions
- ◆ Chronic liver disease or porphyria
- ◆ Immunosuppressed for organ transplant
- ◆ Severe asthma or allergy requiring hospitalisation in preceding 12 months.
- ◆ Pregnancy (1st trimester)
- ◆ Children
- ◆ In haemodialysis dependent CKD, the single max daily dose of Ferinject is 200mg.
- ◆ Sepsis/ bacteraemia