

## Process for obtaining IV Iron Infusion for pre-operative surgical patients V2.0

1. Identify need – see ADHB Iron infusion protocol (Online Anaesthetic Dept website / in folder in OPD)
2. Assess patient for cause and need for further investigation as per Auckland Regional Clinical Pathway for Investigation of Iron Deficiency in Adults (in folder). If cause of anaemia new / unclear / unrelated to surgical procedure contact GP detailing iron deficiency +/- anaemia and requesting GP to investigate as appropriate. This can be done via Clinical Portal GP Communication tool.
3. Organise iron treatment:
  - a. Calculate dose according to Iron Deficit = Ganzoni Formula

Hb-iron deficiency(mg) =

$$[\text{Weight(kg)} \times (\text{normal Hb(g/L)} - \text{actual Hb(g/L)}) \times 0.24] + \text{iron reserve}$$

Where : Normal Hb = 130g/L (weight <34kg) or 150g/L (weight ≥34kg)  
Iron Reserve = 15mg/kg if up to about 34kg; 500mg if patient over 34kg

WDHB iron infusion protocol is in PAC folder or online:

- Open “CeDDS” and put “ferinject” in search box top right
  - Click option 1 “infusions and venesection” for both ferinject (iron carboxymaltose) and iron polymaltose administration guidelines.
  - Dose of ferinject (iron carboxymaltose) is usually 1000mg. Maximum ferinject dose = 1000mg /week so some large /severely anaemic patients may need a second infusion a week later.
- b. Prescribe on the “Ferinject carboxymaltose prescription fluid chart” (in PAC folder): this form is pre-written but if using blank fluid balance form please prescribe as:
    - **Ferinject 1000mg in 250ml sodium chloride 0.9% (ferric carboxymaltose). Run the pump at 1000ml/hr**
  - c. Choose location for infusion most convenient to patient, NSH or WTK.  
Fax prescription + Yellow referral form. Patient will be contacted to arrange appointment time / date.

Location	Fax number	Telephone	Notes
NSH Discharge Lounge	45719	42159	Surgery < 3 weeks away please phone AND fax prescription
Waitakere OPD	46578	47924	Surgery < 3 weeks away please phone AND fax prescription