NURSE INITIATED IRON REPLACEMENT FLOW CHART (revised 2013)

IRON DEFICIENCY

- Ferritin < 200 ng/ml and TSAT < 20% (Regime A)
- Ferritin < 200 ng/ml and TSAT 20 - 50% (Regime B)
- Ferritin 200 – 800 ng/ml and TSAT < 20 % (Regime C)

→ IV iron 100 mg each dialysis for 10 sessions (Maximum of 2 courses)

→ Repeat iron studies <u>1 month</u> after each course

- If, after 2 courses, Ferritin 200-800 ng/ml and TSAT still < 20% Revert to monthly dose and monitor iron monthly until review by Nephrologist (Regime F)
- If Hb > 120 g/L Ferritin 100 - 200 ng/ml and TSAT > 20% Revert to monthly dose and monitor iron monthly until review by Nephrologist (Regime G)

IRON REPLETE

Ferritin 200 – 800 ng/ml and TSAT 20 – 50%

→ Maintenance course IV 100 mg monthly unless contraindicated (Regime E)

→ Check iron studies 3 monthly

IRON OVERLOAD

Ferritin > 800 ng/ml and/or TSAT > 50 % (Regime D)

→ Withhold IV iron for up to 3 months <u>Check iron studies monthly</u>

→ Reinstate iron therapy when Ferritin < 500 ng/ml or TSAT < 40 %

Hb > 120 g/L
Withhold ESA
Check Hb in 2 weeks
Restart ESA at a reduced dose or frequency when Hb < or = 120 g/L
Check Hb 2 weeks after any change in ESA dose

<u>Aim for Hb</u>

<u>100 – 120 g/L</u>

<u>for all patients</u>

Hb < 120 g/L
ESA dose may need review

Check Hb 2 weeks after any change in ESA dose