The following protocol, on the order of a pediatric renal physician transfers anemia management of HD patients to nonphysician staff (e.g. RN and Pharmacists). It is intended to serve as a guide and cannot replace careful clinical judgment. The recommendations may be inappropriate for specific clinical indications, when in ANY doubt please contact a renal physician.

Pediatric CKD/PD/HD Anemia Management Protocol

To Partie

THE CHILD IS ANEMIC IF THEIR HEMOGLOBIN IS LESS THAN:

AGE		BOYS
	MEAN HGB (G/L)	ANEMIC IF LESS THAN (G/L)
1 YR AND OVER	147	121
1-2 YR	120	107
3-5 YR	124	112
6-8 YR	129	115
9-11 YR	133	120
12-14 YR	141	124
15-19 YR	151	135
		GIRLS
	MEAN HGB	ANEMIC IF LESS THAN (G/L)
1 YR AND OVER	132	114
1-2 YR	120	108
3-5 YR	124	111
6-8 YR	128	115
9-11 YR	131	119
12-14 YR	133	117
15-19 YR	132	115

BASED ON NHANES III DATA 1988-1994; SEE TABLE 39 PAGE S88 IN AJKD 47(5) suppl 3, May 2006

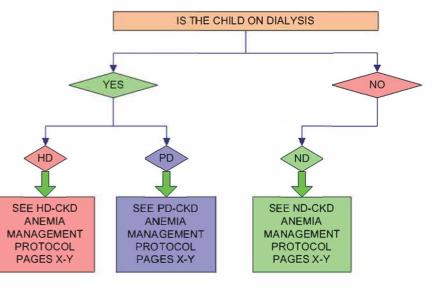
AGE	MEAN HGB (G/L)	ANEMIC IF LESS THAN (G/L)
TERM (cord blood)	165	135
1-3 days	185	145
1 week	175	135
2 weeks	165	125
1 month	140	100
2 months	115	90
3-6 months	115	95
6-24 months	120	105
SEE TABLE 40	PAGE S88 IN AJKD 47(5)	suppl 3, May 2006

All Patients with CKD STAGES 1-5 (non-dialysis) should have a Hb checked at least yearly.

If Hb is below the anemia threshold then iron status tests, reticulocyte count, vitamin B12 and RBC Folate and an eGFR should be done and a Hb repeated between 2-12 weeks later depending on severity of anemia

Presuming no other cause for anemia is found all patients should initiate Iron Therapy if they have a confirmed Hb below threshold and a TSAT < 20% and or ferritin < 100 (see pages X)

Note that all patients on ESA should be on Iron therapy as well as Folic Acid and Vitamin B12 supplementation



The following protocol, on the order of a pediatric renal physician transfers anemia management of HD patients to nonphysician staff (e.g. RN and Pharmacists). It is intended to serve as a guide and cannot replace careful clinical judgment. The recommendations may be inappropriate for specific clinical indications, when in ANY doubt please contact a renal physician.

Pediatric CKD/ESRD/TRANSPLANT Anemia Management Protocol

Subtitle

IT IS PRESUMED THE PHYSICIAN WILL BE AWARE OF THE CONDITION AND NEED OF THE PATIENT, AND THE CHARACTERISTICS OF THE PRODUCT(S) CHOSEN TO ASSIST IN DETERMINING THE MOST EFFECTIVE DOSE AND FREQUENCY FOR THAT PARTICULAR PATIENT.

THE FOLLOWING SECTION "TIPS FOR USE OF ESA PRODUCTS" HIGHLIGHTS BOTH COMMON PRINCIPLES AS WELL AS SPECIFIC DETAILS INHERENT TO USE OF THE 2 PRODUCTS AVAILABLE AT BCCH.

PLEASE REVIEW 2006 and 2007 KDOQI ANEMIA RECOMMENDATIONS AND STANDARD ADULT AND PEDIATRIC TEXTS FOR USE OF ESA AND IRON PRODUCTS IF NOT FAMILIAR WITH THESE AGENTS

BASIC PRINCIPLES FOR USE OF EPREX OR DARBOPOEITIN

ESA PRODUCTS ACT AS TROPHIC HORMONES TO PROLONG THE LIFESPAN OF RBC 'PRECURSORS' IN THE BONE MARROW; THEIR ABSENCE LEADS TO EARLY LOSS OF THESE CELLS WHICH FAIL TO PRODUCE NEW RBC'S AND HENCE LEAD TO AN EVENTUAL DECLINE IN HGB LEVEL. IT IS ALMOST NEVER CORRECT TO STOP ANY ESA PRODUCT SINCE ABSENCE OF THE HORMONE IN THE MARROW WILL LEAD TO LOSS OF RBC PRODUCTION DURING THE ABSENCE OF THE HORMONE. AS THE LIFESPAN OF A RBC IN A STAGE 4/5 OR DIALYSIS PATIENTS IS CLOSER TO 80-90 THAN 120 DAYS THIS MEANS EACH DAY WITHOUT THE HORMONAL EFFECT WILL LEAD TO A 1/5 DECLINE IN HGB LEVEL WHICH WILL BE MASKED FOR A NUMBER OF WEEKS AS THE CURRENT RBC'S DIE AND ARE NOT REPLACED. SO ALL ESA DOSES SHOULD BE GIVEN AS ORDERED, REPLACED AS THEY ARE DISCOVERED TO HAVE BEEN FORGOTTEN, AND CONTINUED EVEN IN THE SETTING OF AN ILLNESS OR CONDITION MAKING THEIR UTILITY POORER THAN EXPECTED! NOTE THE COROLLARY IS THAT THE INITIATION OF / OR DOSE CHANGE OF ANY ESA WILL REQUIRE WEEKS PRIOR TO ANY CHANGE (OR LACK OF CHANGE) IN THE PATIENTS HGB LEVEL!

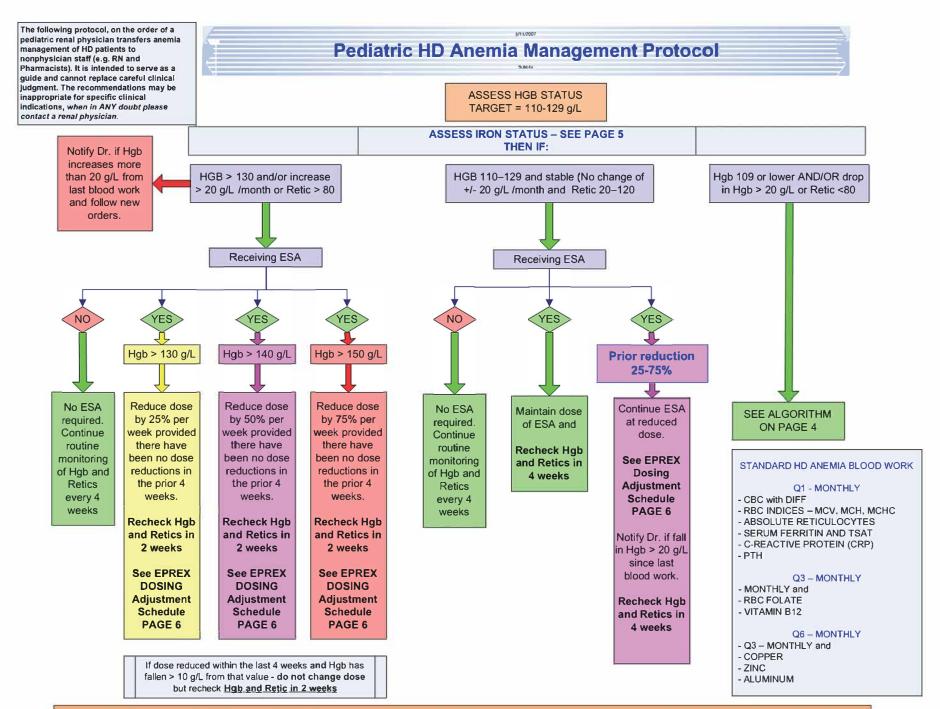
TIPS FOR EFFECTIVE AND EFFICIENT USE OF ERYTHROPOIETIN ALFA (EPREX)

- WITH A MUCH SHORTER HALF-LIFE THAN ARANESP THIS PRODUCT NORMALLY DOSED 1-3 X/WEEK; GOOD EVIDENCE TO SUPPORT 1 X/WEEK THERAPY IN MOST PATIENTS (SOME EVEN LONGER)
- THE CHOICE OF AN <u>INITIAL DOSE</u> IS DEPENDENT ON AGE, MODE OF DIALYSIS AND INITIAL HGB LEVEL.
 - AGE EFFECTS: < 2 Y/O OFTEN REQUIRE ~350 U/KG/WEEK, 2-5 Y/O ~275 U/KG/WEEK, 6-12 Y/O ~250 U/KG/WK AND THOSE OLDER THAN 12 Y/O 200 U/KG/WEEK (ALL SC) IN ORDER TO ACHIEVE A TARGET HGB.
 - MODE OF DIALYSIS: ON AVERAGE PD PATIENTS REQUIRE 225 U/KG/WEEK VS. HD WHO REQUIRE STARTING DOSES CLOSER TO 300 U/KG/WEEK (IRRESPECTIVE OF MODE OF DELIVERY SC VS. IV)!
 - INITIAL HGB LEVELS: ONE IS LIKELY TO NEED HIGHER DOSES TO BRING A PATIENT FROM LOW HGB TO TARGET THAN WITH HIGHER INITIAL LEVELS CAUTION IS VITAL THOUGH AS RATE OF RISE IS LIKELY A MAJOR CONTRIBUTOR TO MAJOR SIDE EFFECTS NAMELY GRAFT LOSS, STROKE AND HYPERTENSION! HGB LEVELS SHOULD NOT RISE MORE THAN 10-20 G/L PER MONTH, AND AIMING TO BRING A MODERATELY ANEMIC PATIENT INTO THE LOW END OF TARGET HGB WITHIN 2-3 MONTHS SEEMS BOTH REASONABLE AND SAFE!!!!!!
 - NOTWITHSTANDING AGE AND STAGE RELATED DOSING ALL PATIENTS REQUIRE INDIVIDUAL CONSIDERATION OF APPROPRIATE DOSE NOTE THAT MOST TOLERATE A 30-50% REDUCTION IN DOSE IN ORDER TO MAINTAIN AS OPPOSED TO OBTAIN THE HGB RANGE!
- THERE IS LITTLE VALUE IN CHANGING DOSE OR INTERVAL MORE OFTEN THAN Q 2 WEEKS; EXCEPTION MAY BE IN SITUATION AIMED AT RAPID INCREASE IN HGB LEVEL WHERE 2 OR 3 TIMES PER WEEK EPREX AND WEEKLY MONITORING OF HGB AND RETICULOCYTES MAY ALLOW MORE RAPID RESPONSE [RAPID RATE OF RISE MAY ENGENDER HYPERTENSION, BE A RISK FOR STROKE OR ACCESS LOSS].

 WEEKLY MONITORING OF HGB MAY ALLOW BETTER PREDICTION OF HGB TREND HENCE EARLIER DOSE CHANGES
- GENERALLY MORE EPREX IS REQUIRED WHEN GIVEN INTRAVENOUSLY VS. SUBCUTANEOUSLY STUDIES SUGGEST ANYWHERE FROM 10-30% INCREASE REQUIRED OVER SC DOSE
- UNLIKE LONGER ACTING PRODUCTS THIS DRUG IS MANIPULATED MORE ON BASIS OF DOSE CHANGE THAN FREQUENCY (ALTHOUGH THIS IS CHANGING IN RECENT PAST WITH INITIAL DOSING REGIMENS NOW CALLING FOR ONCE PER WEEK EPREX AS OPPOSED TO THE MORE COMMONLY USED 2 OR 3 TIMES PER WEEK SCHEDULE)
- DO NOT USE THE 20 000 U/ML MULTIDOSE VIAL IN NEONATES AS THE PRESERVATIVE CAN BE HARMFUL TO THEM

TIPS FOR EFFECTIVE AND EFFICIENT USE OF DARBOPOIETIN ALFA (ARANESP)

- IN DIALYSIS PATIENTS MOST COMMON INITIATING DOSES ARE ~0.45 UG/KG/WEEK OR EQUIVALENT (LESS IF NON-DIALYSIS CKD QUERY 0.2-0.3 UG/KG/WEEK)
- NEVER USE MORE FREQUENTLY THAN ONCE PER WEEK (NON-HD CKD PATIENTS OFTEN TOLERATE LESS FREQUENT DOSING)
- LITTLE VALUE IN CHANGING DOSE OR INTERVAL MORE OFTEN THAN Q 2 WEEKS; NORMALLY CHANGE MONTHLY UNLESS WAY BELOW OR ABOVE TARGET
- SAME DOSE REQUIRED WHEN PRODUCT GIVEN INTRAVENOUSLY VS. SUBCUTANEOUSLY
- THE SMALLEST PRELOAD DOSE IS 10 UG THEREFORE EXTREME CAUTION MUST BE USED IN CHILDREN LESS THAN 20 KG AND CAREFUL CONSIDERATION OF DOSING INTERVAL SHOULD OCCUR!
- UNLIKE SHORTER ACTING PRODUCTS THIS DRUG IS MANIPULATED AS MUCH ON FREQUENCY OF DOSE AS ON THE ACTUAL DOSE USED FOR EXAMPLE:
- A 40 KG PATIENT STARTS HD WITH A HB OF 105 G/L. FROM TABLE ON PAGES 11 OR 16 YOU START ARANESP 20 UG/ WEEK WHICH IS EQUIVALENT TO 20/40 OR 0.5 UG/KG/WEEK
- AFTER 2 MONTHS THE HB IS 130 G/L AND STABLE AND YOU WISH TO CHANGE THE DOSE BUT MAINTAIN THE HB IN TARGET RANGE OF 110-129. THE FIRST OPTION WOULD BE TO LEAVE THE PATIENT ON WEEKLY SHOTS BUT DECREASE TO 10 UG FROM 20 UG SHOTS (NOW GETS 0.25 UG/KG/WEEK); THE SECOND OPTION IS TO USE THE SAME AMOUNT OF ARANESP (20 UG) BUT DELIVER IT LESS FREQUENTLY.
- CHANGING FREQUENCY IS NORMALLY THE PREFERRED METHOD AND OFFERS BETTER TITRATION. IF WE TOOK 20 UG AND GAVE EVERY 10 DAYS THEN GETS 14 UG EVERY WEEK {[20 UG/ 10 DAYS] X 7 DAYS/ WEEK = 2 UG/DAY X 7 DAYS OR 14 UG/WEEK} OR 14/40 = 0.35 UG/KG/WEEK WHICH IS MORE REASONABLE DROP IN DOSE
- NOTE THESE TECHNIQUES ARE COMBINABLE, SO IF I WISH THIS PATIENT TO GO TO Q 2WEEKS THEN BY INCREASING FROM 20 UG SHOT TO 30 UG SHOT BUT GOING TO 14 DAYS I ACHIEVE SIMILAR RESULT 30 UG/2 WEEKS IS 15 UG/WEEK AND WILL MEAN 0.375 UG/KG/WEEK INSTEAD OF 0.35 UG/KG/WEEK



The following protocol, on the order of a pediatric renal physician transfers anemia management of HD patients to nonphysician staff (e.g. RN and Pharmacists). It is intended to serve as a guide and cannot replace careful clinical judgment. The recommendations may be inappropriate for specific clinical indications, when in ANY doubt please contact a renal physician.

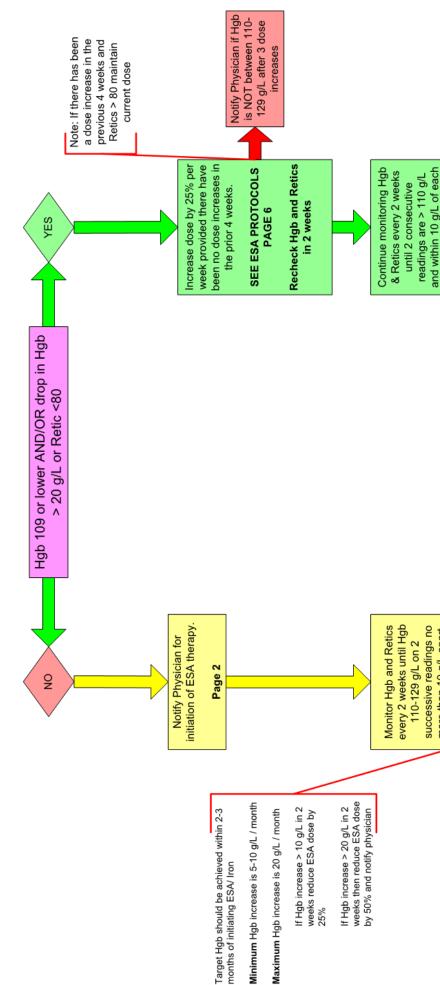
Pediatric HD Anemia Management Protocol

NOTIFY PHYSICIAN IF HGB < 109 OR DROP OF > $20~\mathrm{g/L}$ SINCE LAST BLOOD WORK



THEN IF:

ASSESS IRON STATUS - SEE PAGE 5



FULL CONSIDERATION OF PATIENT'S CURRENT MEDICAL CONDITION - IRON STATUS - ESA DOSE AND RECENT CHANGES IN HGB NEED TO BE ASSESSED IN CONCERT TO MAKE DECISIONS RE ANEMIA MANAGEMENT

Return to Standard ESA

Return to Standard ESA

Algorithm See Page 3

more than 10 g/L apart.

other then

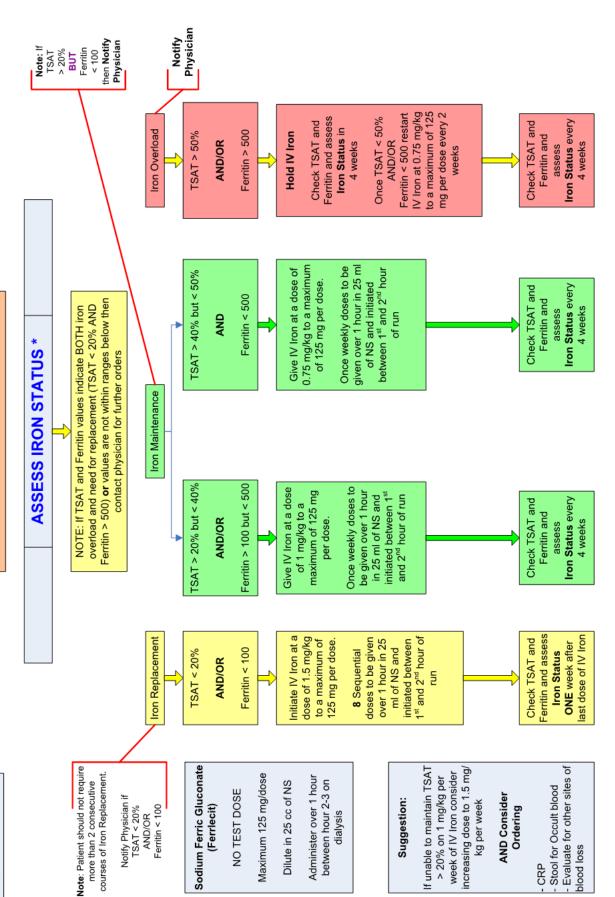
Algorithm

See Page 3

pediatric renal physician transfers anemia management of HD patients to nonphysician staff (e.g. RN and Pharmacists). It is intended to serve as a judgment. The recommendations may be inappropriate for specific clinical guide and cannot replace careful clinical The following protocol, on the order of a indications, when in ANY doubt please contact a renal physician.

Pediatric HD-CKD Anemia Management Protocol

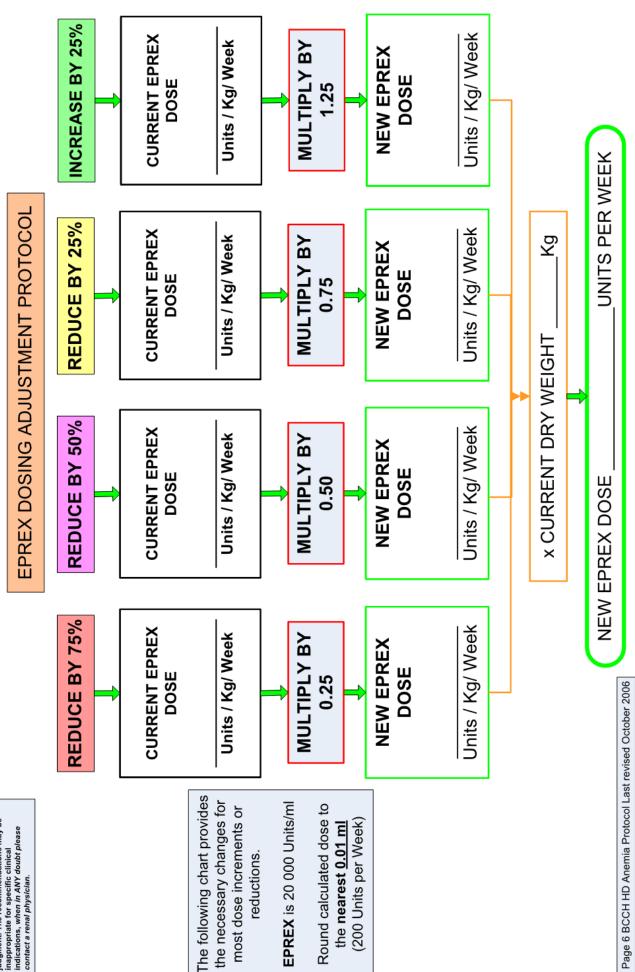
HD FERRLECIT PROTOCOL

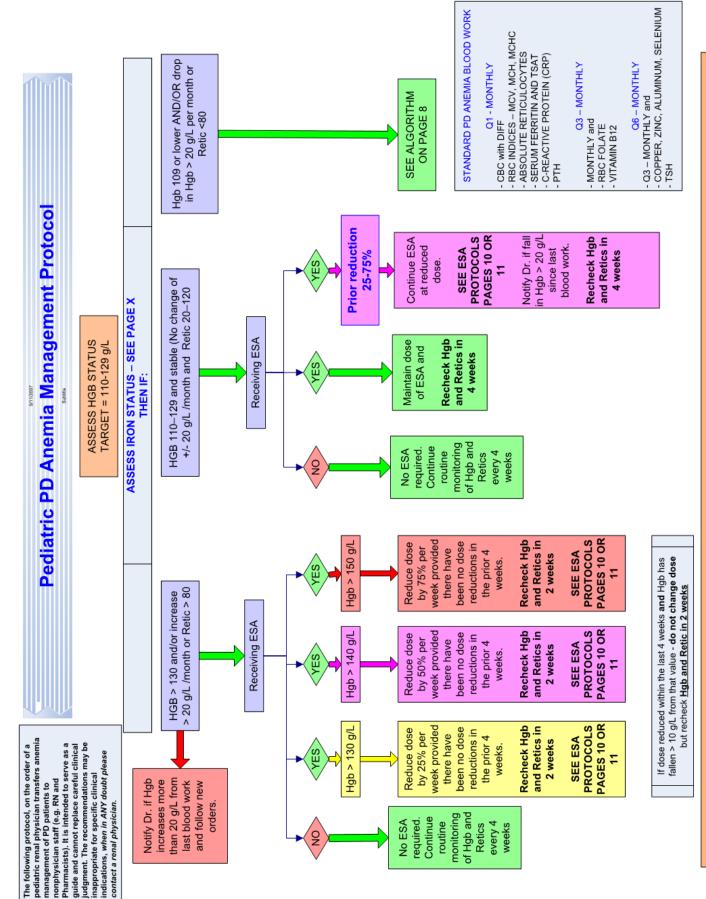


ssol pool

pediatric renal physician transfers anemia management of HD patients to Pharmacists). It is intended to serve as a guide and cannot replace careful clinical The following protocol, on the order of a judgment. The recommendations may be inappropriate for specific clinical indications, when in ANY doubt please contact a renal physician. nonphysician staff (e.g. RN and

Pediatric HD Anemia Management Protocol

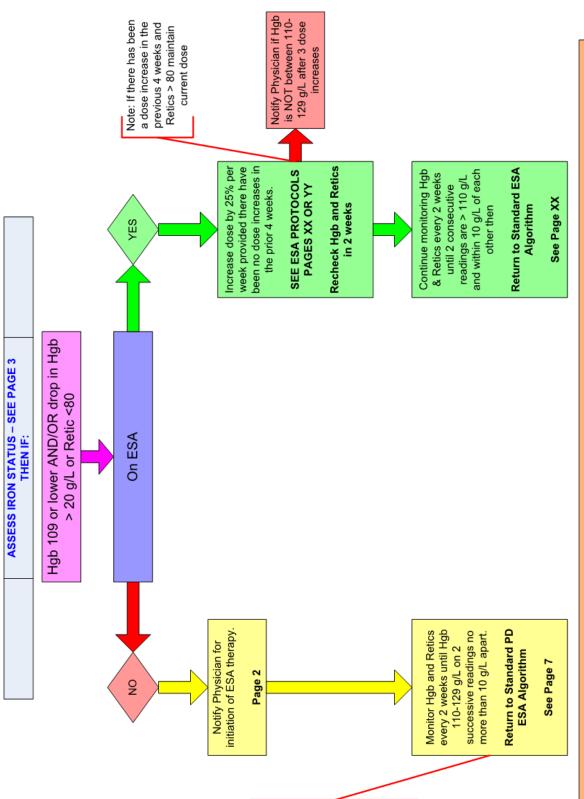




pediatric renal physician transfers anemia nonphysician staff (e.g. RN and Pharmacists). It is intended to serve as a guide and cannot replace careful clinical judgment. The recommendations may be The following protocol, on the order of a inappropriate for specific clinical indications, when in ANY doubt please management of PD patients to contact a renal physician.

Pediatric PD Anemia Management Protocol

NOTIFY PHYSICIAN IF HGB < 109 OR DROP OF > 20 g/L SINCE LAST BLOOD WORK



Minimum Hgb increase is 5-10 g/L / month

Maximum Hgb increase is 20 g/L / month

If Hgb increase > 10 g/L in 2

weeks reduce ESA dose by

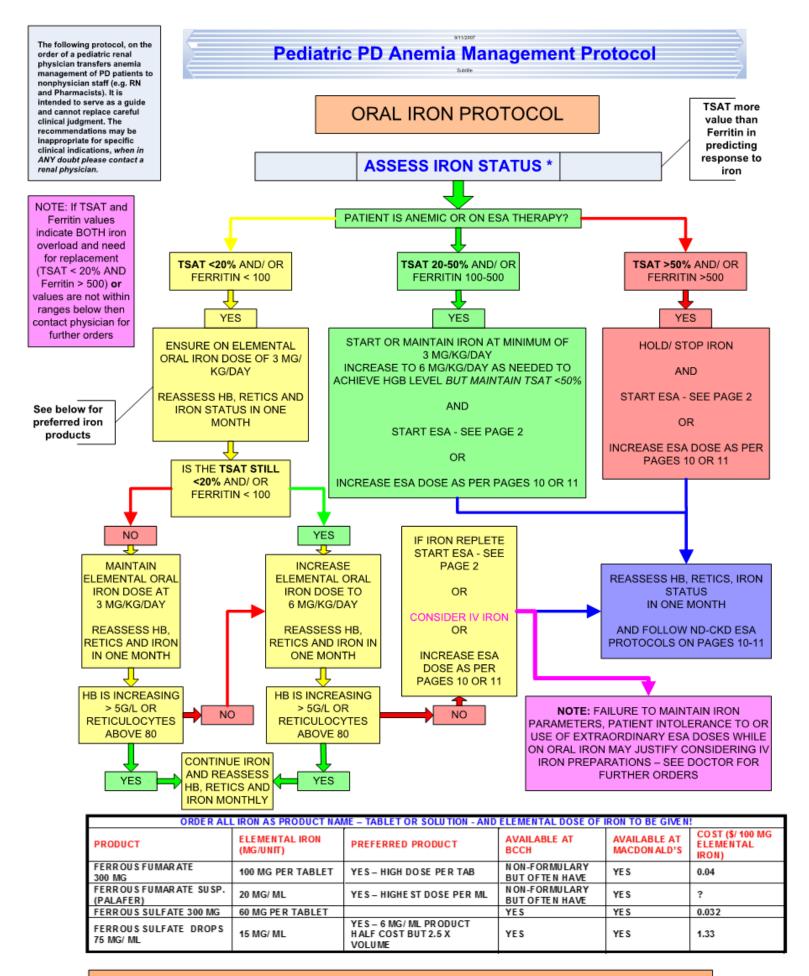
25%

Target Hgb should be achieved within 2-3

months of initiating ESA/ Iron

weeks then reduce ESA dose

If Hgb increase > 20 g/L in 2 by 50% and notify physician



nonphysician staff (e.g. RN and Pharmacists). It is intended to serve as a guide and cannot replace careful clinical judgment. The recommendations may be inappropriate for specific clinical indications, when in ANY doubt please The following protocol, on the order of a pediatric renal physician transfers anemia management of PD patients to contact a renal physician.

The following chart provides the necessary changes for most dose increments or reductions.

EPREX Multi-dose are 20 000 Units/ml Round calculated dose to the (200 Units per Week) nearest 0.01 ml

EPREX Pre-Loads Available 4000 Units in 0.4 ml syringe 5000 Units in 0.5 ml syringe^a 6000 Units in 0.6 ml syringe^a 2000 Units in 0.5 ml syringe 3000 Units in 0.3 ml syringe 10 000 Units in 1 ml syringe **@ВССН**

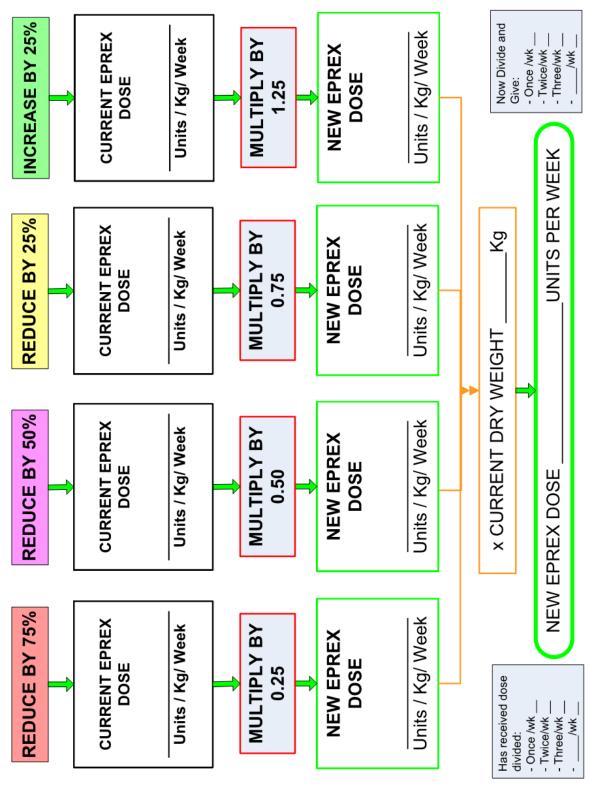
@Macdonald's

(a) Pharmacy will bring in on request

10000 Units in 1.0 ml syringe 1000 Units in 0.5 ml syringe 2000 Units in 0.5 ml syringe 3000 Units in 0.3 ml syringe 4000 Units in 0.4 ml syringe 5000 Units in 0.5 ml syringe 6000 Units in 0.6 ml syringe 8000 Units in 0.8 ml syringe

Pediatric PD Anemia Management Protocol

PD-CKD EPREX DOSING ADJUSTMENT PROTOCOL



nonphysician staff (e.g. RN and Pharmacists). It is intended to serve as a guide and cannot replace careful clinical judgment. The recommendations may be inappropriate for specific clinical indications, when in ANY doubt please The following protocol, on the order of a pediatric renal physician transfers anemia management of PD patients to contact a renal physician.

The following chart provides the necessary changes for most dose increments or reductions.

EPREX Multi-dose are 20 000 Units/ml Round calculated dose to the (200 Units per Week) nearest 0.01 ml

EPREX Pre-Loads Available 4000 Units in 0.4 ml syringe 5000 Units in 0.5 ml syringe^a 6000 Units in 0.6 ml syringe^a 2000 Units in 0.5 ml syringe 3000 Units in 0.3 ml syringe 10 000 Units in 1 ml syringe **@ВССН**

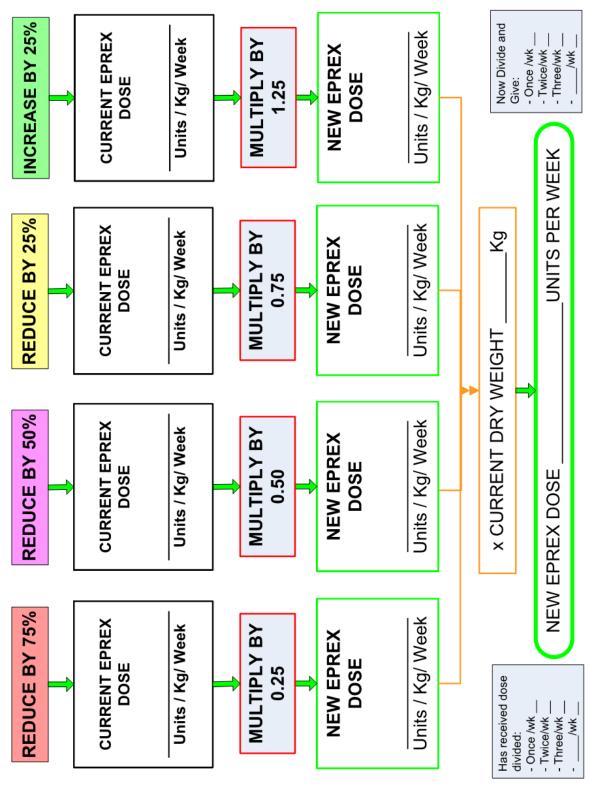
@Macdonald's

(a) Pharmacy will bring in on request

10000 Units in 1.0 ml syringe 1000 Units in 0.5 ml syringe 2000 Units in 0.5 ml syringe 3000 Units in 0.3 ml syringe 4000 Units in 0.4 ml syringe 5000 Units in 0.5 ml syringe 6000 Units in 0.6 ml syringe 8000 Units in 0.8 ml syringe

Pediatric PD Anemia Management Protocol

PD-CKD EPREX DOSING ADJUSTMENT PROTOCOL



The following protocol, on the order of a pediatric renal physician transfers anemia management of PD patients to nonphysician staff (e.g. RN and Pharmacists), it is intended to serve as a guide and cannot replace careful clinical judgment. The recommendations may be inappropriate for specific clinical indications, when in ANY doubt please contact a renal physician.

Pediatric PD Anemia Management Protocol

THIS TABLE REPRESENTS A STARTING ALGORITHM - SEE BELOW FOR INSTRUCTIONS ON MODIFYING DOSE AND FREQUENCY TO MAINTAIN PATIENT IN TARGET RANGE USING ARANESP

Darbepoetin alfa (Aranesp™)

Initial Dosing¹ and Adjustments

The following chart provides the necessary changes for most dose increments or reductions.

ARANESP Pre-Loads Available

@ВССН

10 mcg in 0.4 ml syringe 20 mcg in 0.5 ml syringe 30 mcg in 0.3 ml syringe 40 mcg in 0.4 ml syringe

@MACDONALD'S

10 mcg in 0.4 ml syringe
20 mcg in 0.5 ml syringe
30 mcg in 0.3 ml syringe
40 mcg in 0.4 ml syringe
50 mcg in 0.5 ml syringe
60 mcg in 0.4 ml syringe
100 mcg in 0.5 ml syringe
130 mcg in 0.4 ml syringe

Weight (kg)	Dose ² : Prefilled Syringe (mcg)	Interval	Low Hb³ (<100 g/L), Increase Dose (25-50%)	High Hb³ (>130 g/L), Decrease Dose (25-50%)
26 - 75	30	Q 1 week	40 µg Q 1 week	30 µg Q 10 days
46 - 55	30	Q 10 days	30 µg Q 1 week	30 µg Q 2 weeks
38 - 45	20	Q 1 week	30 µg Q 1 week	20 µg Q 10 days
26 - 37	20	Q 10 days	20 µg Q 1 week	20 µg Q 2 weeks
23 - 25	20	Q 2 weeks	20 µg Q 10 days	20 µg Q 3 weeks
20 - 22	10	Q 1 week	20 µg Q 10 days	10 µg Q 10 days
14 - 19	10	Q 10 days	10 µg Q 1 week	10 µg Q 2 weeks
10 - 13	10	Q 2 weeks	10 µg Q 10 days	10 µg Q 3 weeks
8 - 9	10	Q 3 weeks	10 µg Q 2 weeks	10 µg Q 4 weeks

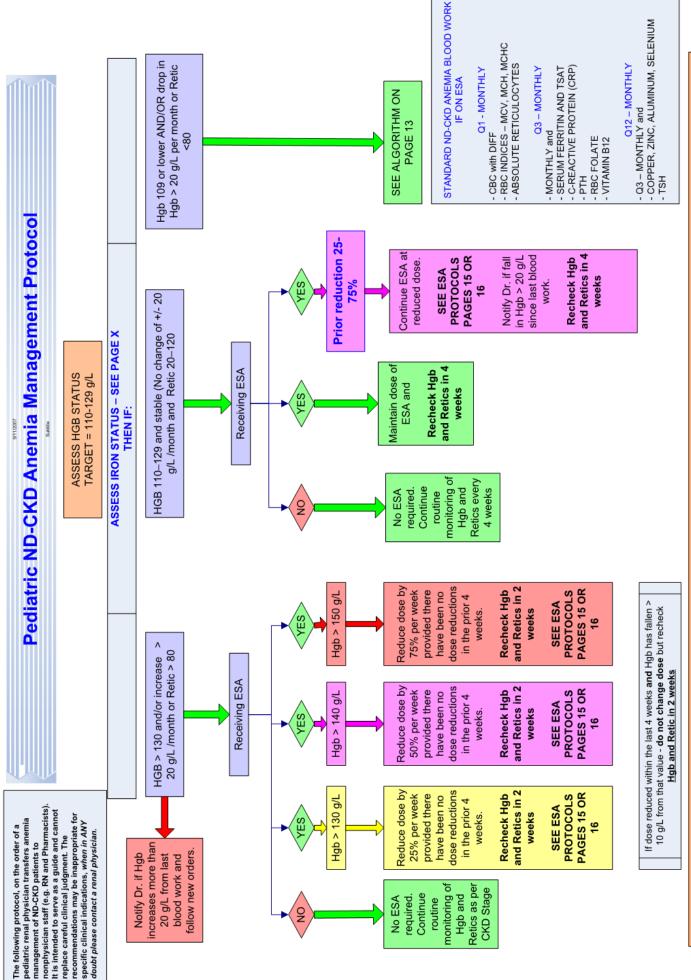
Modified from HSC protocol - Geary et al KI 2005: 68; 1759-1765

¹ Usual initial dose = 0.45 µg/kg/week

² Double-check dose before administration to patient

³ Target Hb range = 110-130 g/L

Note: Patients previously receiving <100 units/kg/wk of Eprex will receive the 25-50% reduced dose by weight

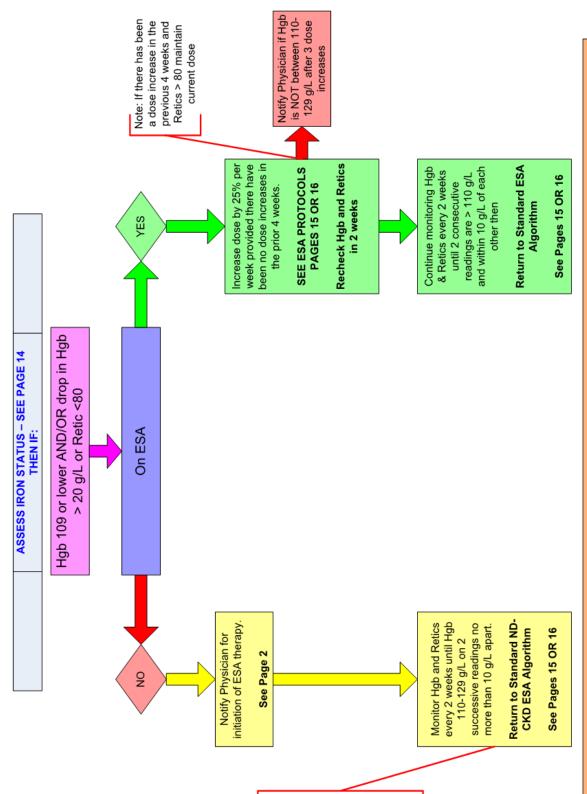


FULL CONSIDERATION OF PATIENT'S CURRENT MEDICAL CONDITION - IRON STATUS - ESA DOSE AND RECENT CHANGES IN HGB NEED TO BE ASSESSED IN CONCERT TO MAKE DECISIONS RE ANEMIA MANAGEMENT

The following protocol, on the order of a pediatric renal physician transfers anemia management of ND-CKD patients to nonphysician staff (e.g. RN and Pharmacists). It is intended to serve as a guide and cannot replace careful clinical judgment. The recommendations may be inappropriate for specific clinical inappropriate for specific clinical confactions, when in ANY doubt please contact a renal physician.

Pediatric ND-CKD Anemia Management Protocol

NOTIFY PHYSICIAN IF HGB < 109 OR DROP OF > 20 g/L SINCE LAST BLOOD WORK



If Hgb increase > 20 g/L in 2 weeks then reduce ESA dose

by 50% and notify physician

Minimum Hgb increase is 5-10 g/L / month

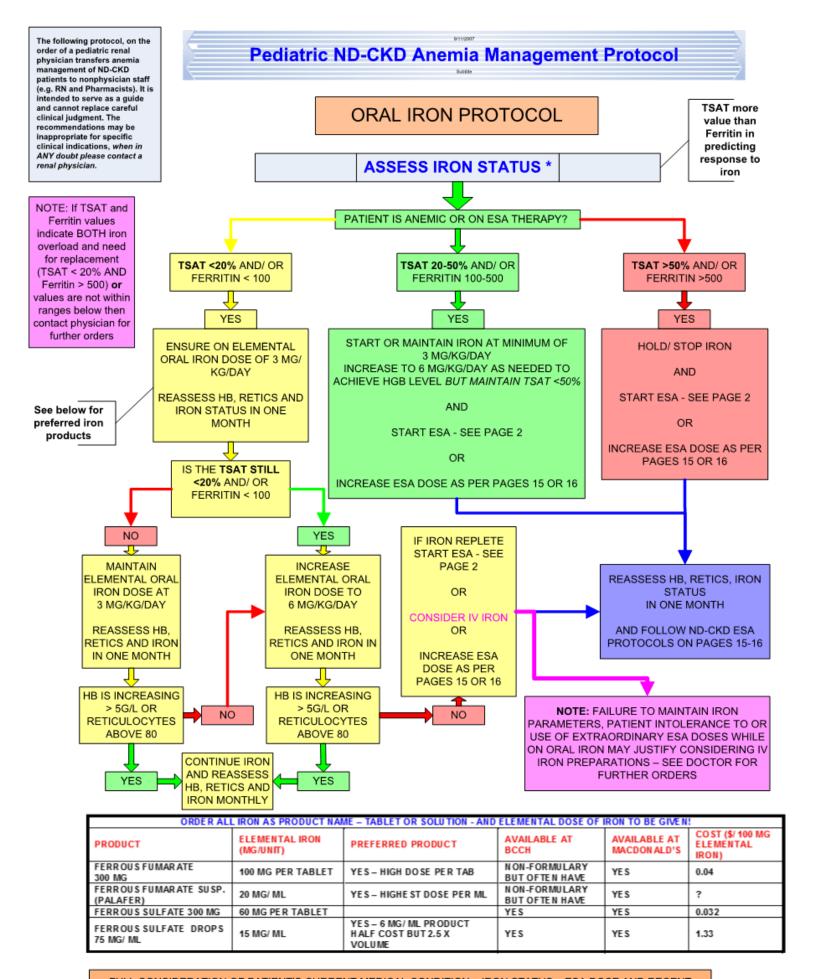
Maximum Hgb increase is 20 g/L / month

Target Hgb should be achieved within 2-3

months of initiating ESA/ Iron

If Hgb increase > 10 g/L in 2

weeks reduce ESA dose by



The following protocol, on the order of a pediatric renal physician transfers anemia management of ND-CKD patients to nonphysician staff (e.g. RN and Pharmacaists). It is intended to serve as a guide and cannot replace careful clinical judgment. The recommendations may be inappropriate for specific clinical inappropriate for specific clinical indications, when in ANY doubt please contact a renal physician.

The following chart provides the necessary changes for most dose increments or reductions.

EPREX Multi-dose are 20 000 Units/ml

Round calculated dose to the nearest <u>0.01 ml</u> (200 Units per Week)

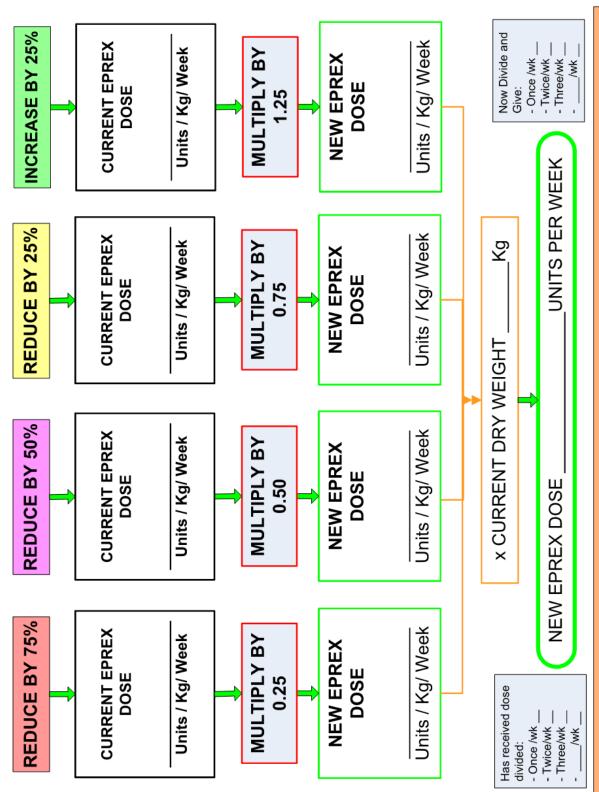
EPREX Pre-Loads Available **@BCCH**2000 Units in 0.5 ml syringe
3000 Units in 0.4 ml syringe
5000 Units in 0.5 ml syringe
6000 Units in 0.6 ml syringe
10 000 Units in 1 ml syringe
(a) Pharmacy will bring in on request

@Macdonald's
1000 Units in 0.5 ml syringe
2000 Units in 0.5 ml syringe
3000 Units in 0.3 ml syringe
4000 Units in 0.4 ml syringe
5000 Units in 0.5 ml syringe
6000 Units in 0.6 ml syringe
8000 Units in 0.8 ml syringe

Pediatric ND-CKD Anemia Management Protocol

eggge

ND-CKD EPREX DOSING ADJUSTMENT PROTOCOL



The following protocol, on the order of a pediatric renal physician transfers anemia management of ND-CKD patients to monphysician staff (e.g. RN and Pharmacists). It is intended to serve as a guide and cannot replace careful clinical judgment. The recommendations may be inappropriate for specific clinical indications, when in ANY doubt please contact a renal physician.

Pediatric ND-CKD Anemia Management Protocol

Subs

THIS TABLE REPRESENTS A STARTING ALGORITHM - SEE BELOW FOR INSTRUCTIONS ON MODIFYING DOSE AND FREQUENCY TO MAINTAIN PATIENT IN TARGET RANGE USING ARANESP

Darbepoetin alfa (Aranesp™)

Initial Dosing¹ and Adjustments

The following chart provides the necessary changes for most dose increments or reductions.

ARANESP Pre-Loads Available

@Вссн

10 mcg in 0.4 ml syringe 20 mcg in 0.5 ml syringe 30 mcg in 0.3 ml syringe 40 mcg in 0.4 ml syringe

@MACDONALD'S

10 mcg in 0.4 ml syringe
20 mcg in 0.5 ml syringe
30 mcg in 0.5 ml syringe
40 mcg in 0.5 ml syringe
50 mcg in 0.5 ml syringe
60 mcg in 0.5 ml syringe
80 mcg in 0.5 ml syringe
1100 mcg in 0.5 ml syringe
130 mcg in 0.5 ml syringe

Weight (kg)	Dose ² : Prefilled Syringe (mcg)	Interval	Low Hb³ (<100 g/L), Increase Dose (25-50%)	Low Hb³ (<100 g/L), High Hb³ (>130 g/L), Increase Dose Decrease Dose (25-50%)
26 - 75	30	Q 1 week	40 µg Q 1 week	30 µg Q 10 days
46 - 55	30	Q 10 days	30 µg Q 1 week	30 µg Q 2 weeks
38 - 45	20	Q 1 week	30 µg Q 1 week	20 µg Q 10 days
26 - 37	20	Q 10 days	20 µg Q 1 week	20 µg Q 2 weeks
23 - 25	20	Q 2 weeks	20 µg Q 10 days	20 µg Q 3 weeks
20 - 22	10	Q 1 week	20 µg Q 10 days	10 µg Q 10 days
14 - 19	10	Q 10 days	10 µg Q 1 week	10 µg Q 2 weeks
10 - 13	10	Q 2 weeks	10 µg Q 10 days	10 µg Q 3 weeks
8 - 9	10	Q 3 weeks	10 µg Q 2 weeks	10 µg Q 4 weeks

Modified from HSC protocol – Geary et al KI 2005: 68; 1759-1765

Note: Patients previously receiving <100 units/kg/wk of Eprex will receive the 25-50% reduced dose by weight

¹ Usual initial dose = 0.45 μg/kg/week

² Double-check dose before administration to patient

³ Target Hb range = 110-130 g/L