

Summary of NICE Guidelines

Title	Anaemia management in people with chronic kidney disease
NICE Reference	CG 114 (updates and replaces CG 39)
Date of Review:	December 2013
Date of Publication	February 2011
Summary of Guidance (Max 250 words)	<p><u>Detecting and Diagnosing anaemia of CKD:</u> Anaemia should be investigated and managed in patients with CKD when:</p> <ul style="list-style-type: none"> • Hb \leq11 g/dL (or 10.5 g/dL if younger than 2 yrs) OR • Symptoms attributable to anaemia develop • <p><u>Iron deficiency anaemia</u> should be diagnosed in people with stage 5 CKD (considered in people with stage 3 or 4 CKD) who have ferritin <100 mcg/L.</p> <p><u>Functional iron deficiency</u> in CKD patients with ferritin levels >100 mcg/L is defined by percentage hypochromic cells (%HRC) > 6% (when available) OR transferrin saturation (TSAT) < 20% (when %HRC not available).</p> <p>Serum ferritin may be used to assess iron deficiency in people with CKD. Although, as ferritin is an acute-phase reactant and frequently raised in CKD, the diagnostic cut-offs</p>
Impact on Lab (See below)	<p>■ Moderate</p>
Lab professionals to be made aware	<ul style="list-style-type: none"> ✓ Chemical Pathologist ✓ Clinical Scientist ✓ Biomedical Scientist
Please detail the impact of this guideline (Max 150 words)	<p>Monitoring of Iron status and Hb in CKD patients is important. Chemical Pathologist or Clinical Scientists should be aware of the indications for measurement as detailed in the guidelines.</p> <p>Iron status should be measured no earlier than 1 week after receiving i.v. iron and at intervals of 4 weeks - 3 months routinely. Hb should be measured every 2-4 weeks (induction phase) or 1-3 months (maintenance phase) during ESA therapy.</p>

Impact on Lab

- **None:** This NICE guideline has no impact on the provision of laboratory services
- **Moderate:** This NICE guideline has information that is of relevance to our pathology service and may require review of our current service provision.

■ **Important:** This NICE guideline is of direct relevance to our pathology service and will have a direct impact on one or more of the services that we currently offer.

Written by: Author not known

Reviewed by: Mrs Alexandra Yates