



BIOCHEMISTRY TESTING UPDATE

eGFR EQUATION CHANGE

16 April 2013

Wednesday 1st May 2013

**Medlab Central Group will change the eGFR equation from
MDRD to CKD-EPI**

Reasons	CKD-EPI equation provides a more accurate estimate of GFR in those with normal or near-normal renal function (eGFR>60 mL/min/1.73m ²).
Limitations	All the limitations of the MDRD formula still apply and the formula is also unreliable in some groups, e.g. pregnant patients, dialysis patients or patients with acute changes in renal function.
Comments	<ol style="list-style-type: none">1. You are most likely to notice a difference in patients with normal renal function where eGFR will be higher than when estimated using the current MDRD equation.2. This change is supported by recent Australasian recommendations and is being coordinated throughout New Zealand, after consultation with renal physicians.
References	<ol style="list-style-type: none">1. Johnson DW et al. Australasian Creatinine Consensus Working Group. Chronic kidney disease and automatic reporting of estimated glomerular filtration rate: new developments and revised recommendations. (2012) MJA 197(4) 224-82. Levey AS et al. A New Equation to Estimate Glomerular Filtration Rate. (2009) Ann Intern Med. 150:604-12.
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