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Establishing the presence or absence of chronic kidney disease: Uses and limitations of formulas estimating the glomerular filtration rate

Ahmed Alaini, Deepak Malhotra, Helbert Rondon-Berrios, Christos Argyropoulos, Zeid J Khitan, Dominic SC Raj, Mark Rohrscheib, Joseph I Shapiro, Antonios H Tzamaloukas

Abstract

The development of formulas estimating glomerular filtration rate (eGFR) from serum creatinine and cystatin C and accounting for certain variables affecting the production rate of these biomarkers, including ethnicity, gender and age, has led to the current scheme of diagnosing and staging chronic kidney disease (CKD), which is based on

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Guideline 1 - National Kidney Foundation

www2.kidney.org/professionals/kdoqi/guidelines_ckd/p4_class_g1.htm ▾ [翻译此页](#)

The presence of chronic kidney disease should be established, based on presence of ... Chronic kidney disease is defined according to the presence or absence of ... The methods to estimate GFR and assess markers of kidney damage are not GFR estimated from serum creatinine using MDRD Study equation based on ...

Misapplications of Commonly Used Kidney Equations: Renal ... - NCBI

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4571534/> - [翻译此页](#)

作者：MT Nguyen - 2009 - 被引用次数：27 - [相关文章](#)

Equations for estimating GFR, quantifying urinary protein excretion, and assessing ... Vignette 1—Use and Limitations of MDRD Formula Because this patient does not have CKD, the use of the MDRD formula is not appropriate. to confirm the presence or absence of clinically significant proteinuria in many patients.

Estimated Glomerular Filtration Rate (eGFR): A Serum Creatinine ...

<https://www.ncbi.nlm.nih.gov> > NCBI > Literature > PubMed Central (PMC) - [翻译此页](#)

作者：WAS Mula-Abed - 2012 - 被引用次数：26 - [相关文章](#)

CKD is classified based on glomerular filtration rate (GFR), as recommended by ... (p) to denote the presence of proteinuria when staging CKD, using random urine ... estimated GFR (eGFR) from serum creatinine based on formulae that take into ... serum creatinine value (with its limitations when reported alone) into GFR

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NKF KDOQI Guidelines - National Kidney Foundation

www2.kidney.org/professionals/kdoqi/guidelines_ckd/p4_class_g1.htm ▾ 翻译此页

The **presence** of **chronic kidney disease** should be **established**, based on **presence** of ... **Chronic kidney disease** is defined according to the **presence** or **absence** of ... The methods to **estimate** **GFR** and assess markers of kidney damage are not **GFR** estimated from serum creatinine **using** MDRD Study **equation** based on ...

Renal Failure—Measuring the Glomerular Filtration Rate - NCBI - NIH

<https://www.ncbi.nlm.nih.gov> > NCBI > Literature > PubMed Central (PMC) - 翻译此页

作者: C Thomas - 2009 - 被引用次数: 37 - 相关文章

2009年12月21日 - **Chronic renal disease** (CRD) is defined as a **glomerular filtration rate** (GFR) of ... whatever the cause and regardless of the **presence** of kidney damage (1). ... Simpler, but less precise, is **estimation** of **GFR** (eGFR) by means of the direct measurement of **GFR** (mGFR) should be **used** to **establish** the exact ...

Ageing and the Glomerular Filtration Rate: Truths and Consequences

<https://www.ncbi.nlm.nih.gov> > NCBI > Literature > PubMed Central (PMC) - 翻译此页

作者: RJ Glasscock - 2009 - 被引用次数: 136 - 相关文章

A consequence of these criteria has been to overstate the frequency of **CKD** in the ... **GFR** and the consequences of **using** a classification system for defining **CKD** that The decline in **GFR** associated with ageing is independent of the **presence** of ... **Formulas** for **estimation** of Ccr from serum creatinine measurements had ...

1. Definition of chronic kidney disease - Updated American Geriatrics ...

www.medcats.com/CKD/CKD_CPG/content/anns/anns-moduleA.htm ▾ 翻译此页

Estimated **glomerular filtration rate** (eGFR) is the preferred method to assess ... the **presence** of **CKD**

Establishing the presence or absence of chronic kidney disease: Uses and limita

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www2.kidney.org/professionals/kdoqi/...ckd/p4_class_g1.htm

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[\[PDF\] Performance of CKD-EPI equation to estimate glomerular filtration ...](#)

https://www.researchgate.net/...CKD...equation...estimate_glomerular_filtration_rate...equation...renal.../Performance-of-CKD-EPI-equat...

CKD-EPI ($p < 0.001$) while for $51\text{Cr-GFR} \geq 60 \text{ mL/min/1.73 m}^2$, P30 values were 57.5% account the presence or absence of albuminuria. Exclusion ... between the two equations were established by the McNemar-Bowker test. Precision ... using Bland-Altman plots, with the calculation of agreement limits. (bias \pm 2 SD) ...

[\[PDF\] How common is early chronic kidney disease? - Oxford Academic](#)

https://academic.oup.com/ndt/article-pdf/22/suppl_9/ix8/.../gfm444.pdf

on formula-based estimates of glomerular filtration rate (GFR), the ... Limitations of the MDRD formulae ... value, due to the presence of interferences in serum ... main flaws: they assume an absence of disease in filtration rate; MDRD, Modification of Diet in Renal Disease. CKD using serum creatinine thresholds or more.

[\[PDF\] Diagnosis and management of chronic kidney disease. - Scottish ...](#)

www.sign.ac.uk/pdf/sign103.pdf

End-stage renal disease, also called established renal failure, is chronic kidney Within the limitations of cross-sectional cohort methodology and longitudinal cohort data, presence or absence of proteinuria although there is evidence that dipstick used to validate the equation, 9% of GFR estimates were 30% or more ...