

“Equations frequently used to estimate kidney function for the purpose of making renal dose adjustments include the Cockcroft-Gault, Modification of Diet in Renal Disease (MDRD), and Chronic Kidney Disease Epidemiology Collaboration (CKD-EPI) equations” Nyman (2015).

Reference:

Nyman, H.A. (2015) Renal Dosing in High-Risk Populations. Journal of Infusion Nursing. 38(3), p.210-215.

Renal dosing of intravenous drugs in high-risk patient populations <http://ctt.ec/OLcQ2+@ivteam> #ivteam

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Abstract:

In patients with diminished kidney function, the pharmacokinetics of many medications are altered. Alterations in absorption, distribution, and metabolism are observed in addition to altered elimination through the kidney. Classes of intravenous medications in which dose modifications are frequently required for patients with diminished kidney function include antibiotics, some anticoagulants, and chemotherapy agents. Failure to follow renal dose adjustment recommendations can lead to an increased risk of toxicity. Equations frequently used to estimate kidney function for the purpose of making renal dose adjustments include the Cockcroft-Gault, Modification of Diet in Renal Disease (MDRD), and Chronic Kidney Disease Epidemiology Collaboration (CKD-EPI) equations.

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