

## Creatinine Based Equations for Routine Estimation of GFR

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Sir,

Dear Editor, the report on "Creatinine based equations for routine estimation of GFR" is very interesting.<sup>1</sup> Noted that "CKD-EPI equation based on creatinine estimation is widely accepted method and clinicians may use this equation in routine clinical practice to assess kidney function among

patients with type 2 diabetes."<sup>1</sup> Indeed, the studied equation for estimation of GFR are widely used in clinical settings. The good agreement between MDRD and CKD-EPI might imply that using any equation can provide in comparable result. A more complex calculation in CKD-EPI should be further discussed. This might be a difficult thing that some physicians might not use CKD-EPI. Nevertheless, an important concern is on the serum creatinine value. If there is any error in determination of serum creatinine, a more error in GFR value can be expected in case of using CKD-EPI (due to more parts with creatinine

value in an equation for calculation). In addition, the race can affect the use of CKD-EPI. Finding a race specific equation is needed. For example, in a recent report, it was approved that CKD-EPI Pakistan' Equation was better than classical CKD-EPI for estimation GFR of patients in Pakistan.<sup>2</sup>

### References

1. Kumpatla S, Soni A, Viswanathan V. Comparison of Two Creatinine Based Equations for Routine Estimation of GFR in a Speciality Clinic for Diabetes. *J Assoc Physicians India* 2017; 65:38-41.
2. Ahmed S, Jafri L, Khan AH. Evaluation of 'CKD-EPI Pakistan' Equation for estimated Glomerular Filtration Rate (eGFR): A Comparison of eGFR Prediction Equations in Pakistani Population. *J Coll Physicians Surg Pak* 2017; 27:414-418.