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DISCORDANCE BETWEEN METHODS OF GFR ESTIMATION AND EFFECT ON APPROPRIATE DOSING OF SELECT MEDICATIONS (B4), Andria Peterson, Mark Decerbo, Peter Golenia. University Medical Center, Las Vegas, NV ([Andria.Peterson@umcsn.com](mailto:Andria.Peterson@umcsn.com)) IRB approval received.

The Cockcroft Gault (CG) and Modification of Diet in Renal Disease (MDRD) equations are the two most common methods utilized in clinical practice to estimate glomerular filtration rate (GFR). Both equations have been studied in numerous populations, and a great degree of variability has been identified between the two when estimating renal function. According to the FDA, the CG equation should be utilized to guide dosing of medications which require a renal adjustment, and the potential for inappropriate dosing exists if the MDRD equation is used instead. This study prospectively examined the presence of discordance between prescribed and recommended dosing of select medications when GFR was alternatively calculated by the aforementioned methods. A convenience sample of patients at least 60 years of age admitted to a tertiary care teaching hospital and initiated on at least one of twenty five prespecified medications was identified. Patients with acute renal failure, those requiring renal replacement therapy or those without at least two measures of serum creatinine within a 72 hour period were excluded, as were reoccurrences of the same patient and same drug combinations. Multiple variations of both equations were used to calculate GFR of included patients, and were

compared with the prescribed dose to evaluate conformity with the package insert. Results will be presented.