INTRODUCTION
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Accurate determinations of creatinine clearance is imperative to avoid in appropriate doses of drugs excreted by the kidneys. Creatinine clearance may be predicted or measured by 24 hour urine collection. Spinal cord injury patients present several problems. Complete urine collection is difficult owing to neurogenic bladder in addition to the inherent difficulties of collecting a 24 hour specimen in an institutional setting. Thus reliance upon prediction methods often is increased owing to delays in actual measurement of creatinine clearance. Also aminoglycoside treatment of urinary tract infection is frequent in spinal cord injury patients. The accuracy of the prediction method must be relied upon to prevent aminoglycoside nephrotoxicity. Many of the current methods to predict creatinine clearance were derived from an analysis of the creatinine production of 474 neurologically intact hospitalized patients (Kampmann & Associates, 1974). It was seen that the validity of using these predictive equations and nomograms in spinal cord injury patients is not proper as Mohler et al (1986) found that the 24 hour urinary creatinine production in spinal cord injury
patients is less as compared to age and sex matched controls recorded by Kampmann & Associates (1974). Mohler et al proposed two simple equations and nomograms for more accurate prediction of creatinine clearance in spinal cord injury patients.

There are no reports available about creatinine clearance in spinal cord injury cases in Indian population.

So the present work has been designed to evaluate creatinine production and clearance in spinal cord injury cases in Bundelkhand region and compared the results with age and sex matched controls reported by Kampmann and Associates (1974).
AIMS & OBJECTIVES:

1. To evaluate the creatinine production and clearance in spinal cord injury patients.

2. To compare the results of creatinine production and clearance in spinal cord injury patients of Bundelkhand Region with age and sex matched neurologically intact hospitalized patients recorded by Kampmann & Associates.

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