

Clinical profile of patients suffering from urolithiasis

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Urolithiasis is a multi-factorial disease involving genetic and environmental factors. The increased incidence of urolithiasis has been associated with variations in its epidemiology like age, gender, distribution of the disease and also type and location of the calculi. Present study describes clinical profile of patients suffering from urolithiasis and visiting urology department of Prince Bijoy Singh Memorial (PBM) Government Hospital, Bikaner (Rajasthan). Detailed history and physical examination was carried out with a pretested questionnaire, with respect to age, gender and location of the calculus. Out of 172 subjects studied, 55.23 per cent were males and 44.77 per cent were females belonging to the age of 20 to 40 years. In majority of male and female subjects the site of stone formation was kidney (48.26%), followed by ureter (34.30%), bladder (8.14%), multiple site (4.65%), pelvic-ureteric junction (2.91%), vesiculo - ureteric junction (1.16%) and urethra (0.58%). Irrespective of gender and age, 65.70 per cent of the subjects were having single stone and rest (34.30%) had multiple stone formations. Majority of the subjects (29.07%) complained for renal colic, nausea, vomiting and burning on urination. Few subjects (8.72% and 9.30%) also complained for hematuria and fever.

Key Words : Urolithiasis, Pelvic-ureteric junction, Vesiculo - ureteric junction, Incidence, Multiple sites, Single stone, Multiple stone

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