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Research Title : *Neuropathic bladder as a cause of chronic renal failure in children in developing countries*

Neuropathic bladder as a cause of chronic renal failure in children in developing countries

Descriptipn : Abstract Neuropathic bladder is considered a threat to the kidneys if not managed appropriately. In this study, we report our experience with neuropathic bladder at King Abdulaziz University Hospital (KAUH) as a cause of chronic renal failure (CRF) in the pediatric age group. This retrospective study included all children diagnosed with neuropathic bladder who presented with moderate or severe CRF over a 4-year period from December 2000 to December 2004 [glomerular filtration rate (GFR) at presentation <50 ml/min per 1.73 m²]. Fifteen patients were diagnosed with neuropathic bladder; group A consisted of ten patients with spina bifida and one with sacral agenesis and group B consisted of four patients with nonneurogenic neurogenic bladders (NNNB). The mean age±SD at presentation was 6.2±3.8 years, GFR was 24.2±12.4 ml/min per 1.73 m², and creatinine was 289.9±253.2 μmol/l. There were no differences in the age at presentation to a pediatric nephrologist or the degree of renal failure at presentation between the two groups. Clean intermittent catheterization (CIC) was not started in all patients before presentation to KAUH, except in two children. Five children required dialysis as they were in end-stage renal failure (ESRF). All except one received peritoneal dialysis (PD). Their mean age at the start of dialysis was 10.8±1.7 years. Neuropathic bladder due to spina bifida or NNNB is an important cause of CRF in developing countries. There was a considerable delay in the diagnosis of NNNB and a significant delay in starting CIC in all neuropathic patients

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Attatchments :

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