

A CASE REPORT ON PEDIATRIC HYDRONEPHROSIS

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ABSTRACT

Hydronephrosis is distention of the renal pelvis and calices caused by an obstruction of normal urine flow. Urine production continues, and the urine trapped proximal to the obstruction. Causes of occlusion include calculus, tumor, scar tissue, congenital structural defects, and a kink in the ureter. The accumulating urine exerts pressure on the renal pelvis wall. At low to moderate pressures, the kidney may dilute with no obvious loss of function. Over time sustained or intermittent high pressure causes irreversible nephron destruction. In addition to pressure – related problems, pyelonephritis is always a risk because of urinary stasis.

KEYWORDS: *Hydronephrosis, Urine Obstruction, Destruction*

Received: Jul 06, 2016; **Accepted:** Aug 01, 2016; **Published:** Aug 08, 2016; **Paper Id.:** TJPRC: IJNRTRDDEC20161