



*Northern Chapter*

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## **Abstract Proceeding Book**

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**PP 10 - A successful minimally invasive management of retrocaval ureter- a case report**

S.Visagan<sup>1</sup>, S.Gobishangar<sup>2</sup>, B.Balagobi<sup>2</sup>, S.J.T.Dias<sup>1</sup>

<sup>1</sup>*Teaching Hospital Jaffna.*

<sup>2</sup>*Department of Surgery, Faculty of Medicine, University of Jaffna.*

**Introduction:** Retrocaval ureter is an uncommon congenital urinary system abnormality which is characterized by deviation of proximal ureter medially and behind inferior vena cava before resuming its natural course anteriorly and laterally. This is usually associated with hydronephrosis and hydroureter which can be clinically silent or symptomatic rarely.

**Case presentation:** Here we present a case of 34 years old male patient who was referred to the clinic with the history of right-side flank pain for 10 years and worsened for 2 years. Clinical examination was normal NCCT abdomen revealed the possibility of retrocaval ureter with dilated tortuous right side renal pelvis and proximal ureter which was confirmed by the CT-IVU. The patient underwent laparoscopic ureteroureterostomy and the postoperative period was uneventful.

**Discussion:** This rare congenital anomaly becomes symptomatic due to ureteric obstruction due to compression and presents during 3<sup>rd</sup> or 4<sup>th</sup> decade. CT-IVU is superior to USS and NCCT in diagnosis and MRI is also considered effective. Severity of symptoms and renal function impairment is considered during the decision making for surgery. Laparoscopic procedures have the advantage of minimal postoperative pain and short convalescence in retrocaval ureter management.

**Conclusion:** Symptomatic patients who need surgical correction can be managed successfully with laparoscopic interventions.

**Keywords:** Retrocaval ureter, laparoscopic ureteroureterostomy, ureteric reconstruction, minimally invasive