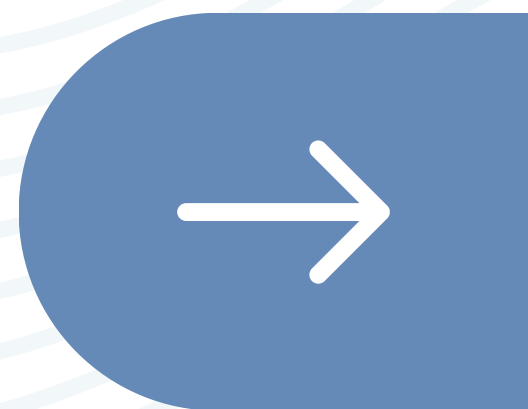


# #DIBS BY NEXTILLO

DAILY INFORMATION BULLETIN SERVICE

**RETROCAVAL URETER**





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## RETROCAVAL URETER

*Retrocaval Ureter, also known as circumcaval ureter or posterior ureteral displacement, is a congenital condition where the ureter, the tube that carries urine from the kidney to the bladder, takes an abnormal course as it passes behind the inferior vena cava (IVC).*

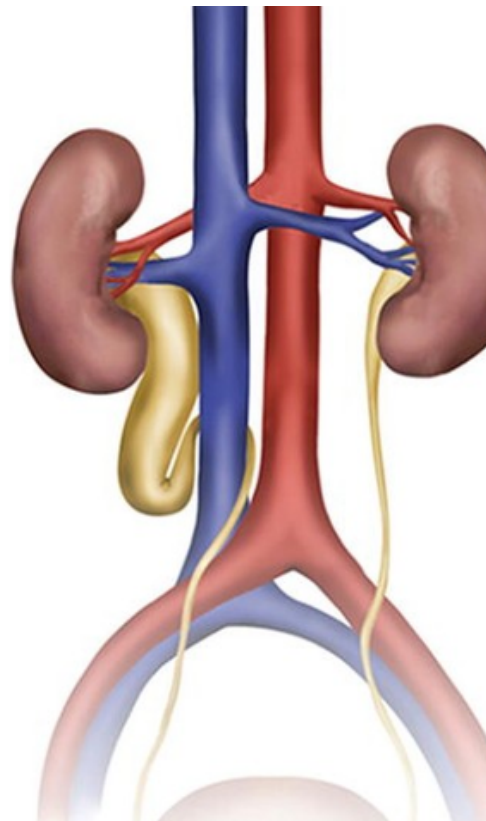
### **Incidence:**

- Retrocaval ureter is a *rare congenital anomaly*, more commonly observed in males than females.
- It *results from a developmental abnormality during embryogenesis*.





# CLINICAL IMPRESSION



***On IVP - Reverse J/ Fish hook/  
Shepherd crook appearance***



# PATHOPHYSIOLOGY

- ***In retrocaval ureter, the ureter courses behind the IVC instead of its normal position in front of it.***
- ***This abnormality can cause obstruction or compression of the ureter, leading to impaired urine flow from the kidney to the bladder.***





# CLINICAL PRESENTATION

- ***Patients with retrocaval ureter may remain asymptomatic for a long time.***
- ***Common symptoms, when present, include recurrent flank pain, hematuria (blood in urine), and urinary tract infections.***
- ***Symptoms may worsen during periods of increased urine flow, such as hydration or pregnancy.***





# DIAGNOSIS

- ***Imaging studies play a crucial role in diagnosing retrocaval ureter. Intravenous pyelogram (IVP), CT urography, or MRI can reveal the abnormal course of the ureter.***
- ***A characteristic “dumbbell” or “fishhook” appearance on imaging is indicative of retrocaval ureter.***





# MANAGEMENT

- ***Surgical intervention is often necessary to correct the anatomical anomaly and relieve the obstruction.***
- ***The surgical procedure typically involves repositioning the ureter to its normal anterior position relative to the IVC.***

## **Complications :**

***If left untreated, retrocaval ureter can lead to complications such as hydronephrosis (swelling of the kidney due to urine buildup), kidney damage, and recurrent urinary tract infections.***





# RETROCAVAL URETER

## **Question:**

***What is the characteristic appearance of retrocaval ureter on imaging studies?***

- A) "Horseshoe" configuration
- B) "Dumbbell" or "fishhook" appearance
- C) Coiled ureter
- D) Double collecting system

***Ans: B) "Dumbbell" or "fishhook" appearance***