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Duplication of inferior vena cava with obstructed right ureter: An extremely rare anomaly

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INTRODUCTION & OBJECTIVES: Congenital Inferior Vena Cava (IVC) anomalies are often asymptomatic and diagnosed as an incidental imaging finding. When symptoms occur, they are usually related to compression or dislocation of contiguous structures, and the ureter is often involved in this setting. Symptoms can mimic renal colic or be characterized by dull and sub continuous pain. This condition can go undiagnosed for several years, as happened to our patient.

RESULTS: A 46-year-old man presented with a long-term history of dull right flank pain. His medical history was relevant for surgically corrected tetralogy of Fallot and myasthenia gravis. Physical examination and laboratory examination were unremarkable. A contrast-enhanced CT scan of the abdomen showed a right dilated pelvis and narrow ureter passing between a doubled IVC (fig. 1).

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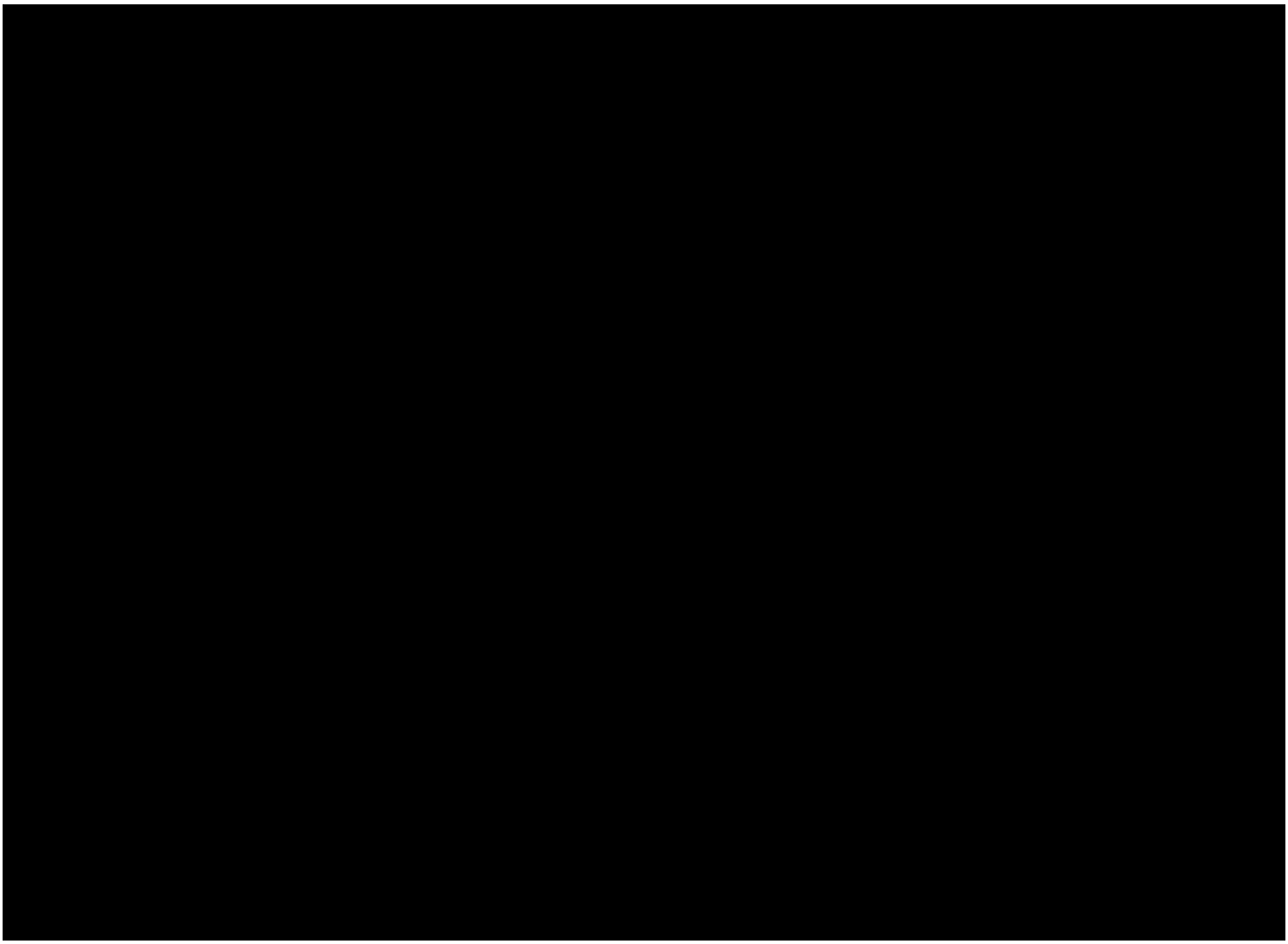

3-D rendering showing the typical J-shaped ureter (fig. 2).