

Evidence Discussion (PV 25)

- Ultrasound can be performed for suspected ureteral and/or bladder trauma. It may aid in triage of injuries and may lead to immediate surgical intervention rather than additional imaging. However it has lower sensitivity compared to CT, particularly in genitourinary injury¹.
- For patients with suspected bladder injury retrograde cystography is appropriate². CT cystography has a reported 95-100% sensitivity and specificity for the diagnosis of bladder rupture^{1,3}. It has the benefits of being widely available and accurate, but does have exposure to ionizing radiation.
- Those presenting with suspected ureteral injury CT of the abdomen and pelvis is appropriate for evaluation of the complete urinary tract. Imaging with contrast is preferred for evaluation of as it has higher sensitivity for detecting concurrent visceral organ and vascular injuries³. Urogram is helpful in further evaluation of the ureters² as it may show contrast extravasation from the ureter or partial or complete ureteral obstruction⁴.

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