

This is a limited Renal Ultrasound that aims to:

1. Ascertain the presence and degree of hydronephrosis
2. Recognize a simple renal cyst
3. Identify ureteric jets and VUJ stones where possible
4. Measure the bladder volume

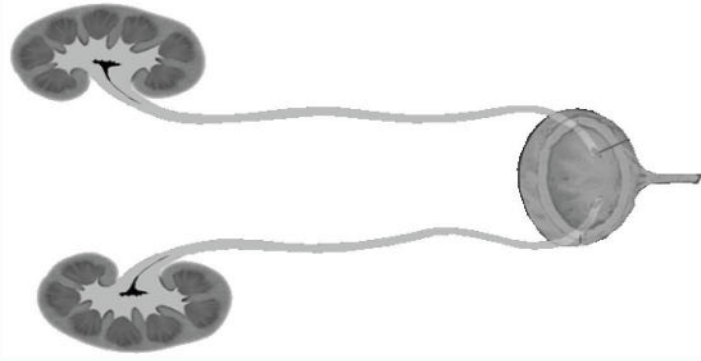
Patient details

History

Urinalysis

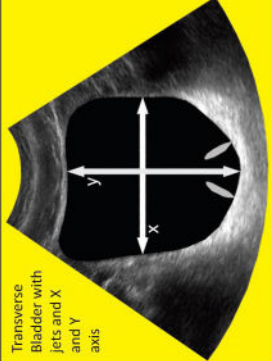
Creatinine

Images

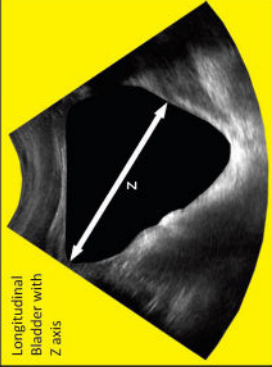


Sketch findings on this image

created by James Rippey and Tor Erclve



Transverse
Bladder with
jets and X
and Y
axis



Longitudinal
Bladder with
Z axis

Notes

Normal
Renal length 9-13cm
Parenchymal thickness > 10mm



Mild hydronephrosis
Dilatation of the collecting system with retention of cupped calyces



Moderate hydronephrosis
Increased dilatation with clubbing of the calyces



Severe hydronephrosis
Increased dilatation with thinning of the renal cortex



Simple cyst
Well defined thin wall
Rounded anechoic cystic structure
No solid components
Post cystic enhancement
Parapelvic cysts and an extrarenal pelvis can simulate hydronephrosis



Findings

Views

Length

Hydronephrosis

Other (eg cysts)

Jets

VUJ stones

Transverse (X)

Depth (Y)

Length (Z)

Volume (X x Y x Z x 0.7)

Right

Adequate

Inadequate
_____cm

Absent

Mild

Moderate

Severe

Seen

Not seen

Left

Adequate

Inadequate
_____cm

Absent

Mild

Moderate

Severe

Seen

Not seen

Ureters

Bladder

Conclusions

(Note: Renal USS findings must be consistent with clinical suspicion; integrate history, examination, investigations and Renal USS findings to reach a conclusion. Seek urgent formal USS or CT if uncertainty remains)

Clinician

Signature

Date

LEVEL 1

EMERGENCY RENAL ULTRASOUND