Table 3

Useful investigations for patients presenting with renal colic

Urine

Urinalysis
- pH
- Blood
- Leukocytes
- Nitrites

Mid-stream urine

24-hour urine for biochemical stone profiles*

Analysis of calculi*

Blood

Renal function (U&E)
Calcium
Uric acid
Bicarbonate
Phosphate
Parathormone
(if hypercalcaemia detected)

Imaging

CT of kidneys, ureters & bladder
Ultrasound - if CT contraindicated

*Specialist secondary care clinics