

Table 1: Biochemical investigations of the 33-year-old man genetically confirmed Gitelman syndrome with triple mutation and complicated with renal calculi showing hypokalemic alkalosis, hypocalciuria, and renal potassium wasting.

	value	reference range
Serum		
Sodium	141.5 mmol/L	135–145
Potassium	2.28 mmol/L	3.5-5.3
Calcium	2.38 mmol/L	2.10-2.70
Chloride	95.1 mmol/L	95.0-105.0
Phosphorus	1.19 mmol/L	0.83-1.48
Magnesium	0.75 mmol/L	0.70-1.15
uric acid	527 mmol/L	155-428
Arterial blood		
pH	7.494	7.35-7.45
HCO ₃	32.6 mmol/L	22-27
base excess	8.3 mmol/L	-3-+3
Spot urine		
Potassium	61.22 mmol/L	
Sodium	57.9 mmol/L	
Magnesium	1.65 mmol/L	
Calcium	0.18 mmol/L	
Chloride	109.7 mmol/L	
Calcium-to-creatinine ratio	0.038 mmol/mmol	
pH	7.5	5-7
24h urine		
Calcium	0.52mmol	2.5-7.5
Potassium	141.07mmol	
Uric acid	3.49mmol	