

Patient Name	: Mr MR.DUMMY	Sample Collected	: Apr 26, 2024, 01:00 PM.
DOB/Age/Gender	: 23 Y/Male	Report Date	: May 09, 2024,01:12 PM.
Patient ID / UHID	: 8052469/RCL7249044	Barcode No	: ZC666320
Referred By	: Dr. X	Report Status	: Final Report
Sample Type	: KIDNEY STONES		

Kidney Stone Analysis

METHOD	FTIR - Fourier Transform Infrared Spectrometry
SAMPLE TYPE	Urinary Stone
SIZE	Multiple Stone (11 mm x 11 mm)
WEIGHT	0.390 gms
RESULT (STONE COMPOSITION)	Calcium oxalate monohydrate (45%),Calcium oxalate dihydrate (55%)

Interpretation:

Renal Stones: The composition of urinary stones may vary from a simple crystal to a complex mixture containing several different species of crystals. The composition of the nidus (center) may be entirely different from that of the peripheral layers. Knowledge of stone composition is necessary to guide therapy of patients with recurrent stone formation.

Renal stone types	Incidence (%)	Risk Factors	Recommendations for Prevention
Calcium oxalate (Monohydrate, Dihydrate) and calcium phosphate	70-80	Increase Urine Calcium, oxalate, uric acid Decrease Urine volume, citrate	-Adequate fluid intake, -Normal dietary calcium (avoid Supplement) -Moderate protein intake -Reduced salt intake -Avoid high oxalate foods (spinach, peanuts, chocolate. Coffee, tea, sweet potato, brinjal, green beans)"
Struvite stones (Magnesium Ammonium phosphate)	10-15	-Increase Urine pH - Urinary tract infection by a urea splitting bacterium usually by Proteus species. - Neurogenic bladder - Other anatomic abnormalities of Urinary tract.	Treatment of the Urinary tract infection is important to inhibit further stone formation.
Uric acid	5-10	Increase Urine uric acid Decrease Urine pH, urine volume	Restrict consumption of food rich in uric acid or purines (cauliflower, pumpkin, mushroom, red meat, red wine).
Cysteine	<1	Inherited disorder like Cystinuria	-

*** End Of Report ***

Disclaimer: Method given in report are only indicative and can be changed depending upon type of machine and kit available at time of testing.

Not all tests at all locations are under NABL scope. Availability of tests under NABL scope varies from lab to lab.



Dr. Dummy



Booking Centre :- DEMO PARTNER CHENNAI, DEMO PARTNER CHENNAI
Processing Lab :-

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All Lab results are subject to clinical interpretation by qualified medical professional and this report is not subject to use for any medico-legal purpose.

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