

THE AGA KHAN UNIVERSITY HOSPITAL CLINICAL LABORATORIES

UPDATE Spot Urine Calcium: Creatinine Ratio (SUCCR)

VOL.XXVIII NO.7, 2022

INTRODUCTION:

A spot urine Calcium:Creatinine ratio is used to screen for hypercalciuria. Increased urinary excretion of calcium accompanies hyperparathyroidism, vitamin D intoxication, metastasis from prostatic cancer, and following calcium supplementation. Urine calcium is increased with immobilization, with steroid therapy, with Paget disease, and in primary (idiopathic) hypercalciuria. A spot urine calcium-to-creatinine ratio may also be a useful measure whenever metabolic/nephrogenic hypercalciuria is suspected.

PRINCIPLE:

Urine Calcium is analyzed by End point method using Arsenazo III dye. Urine Creatinine is analyzed by Jaffe Kinetic Methodology.

SPECIMEN COLLECTION:

- 5-10 ml of random urine specimen is required.

SCHEDULE:

- Test will be performed daily with next day reporting.

PLEASE FILE FOR QUICK REFERENCE