

Patient's Name : Arunaben Dixit  
Age/Sex : 68 Years /Female  
Referred by : C/o. Dr At Doorstep



Ref.No. : HL-11801-21  
Reg. Date : 08/10/2021 10:49  
Collection. Time : 08/10/2021

## RENAL FUNCTION TESTS

TESTS	RESULTS	UNITS	BIOLOGICAL REF INTERVAL
BLOOD UREA	70	mg / dl	15 - 40

authorized signatory

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reporting Verification Time : 08/10/2021 11:52:00  
report print Date/Time : 08/10/2021 13:21  
---: end of report :---

**dr. d.p.kapuriya**  
m.d.(path)  
G 15379

**dr.khushbu chaudhari**  
m.d.(path)  
G 21850

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### BIOCHEMICAL ANALYSIS (Serum)

#### APPEARANCE :

TESTS	RESULTS	UNITS	Biological Ref Interval
S.CREATININE method : Jafferate	1.65	mg / dl	M : 0.7 TO 1.4 F : 0.6 TO 1.1

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## SERUM ELECTROLYTES

TESTS	RESULTS	UNITS	NORMALS
S. SODIUM	135	mmol/L	135 - 145
S. POTASSIUM	4.8	mmol/L	3.5 - 5.5

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### estimated GLOMERULAR FILTRATION RATE ( eGFR ) - MDRD EQUATION

AGE : 68 yrs  
S. CREATININE : 1.65 mg / dl  
CONSTANT : 1.0  
eGFR : 41.7 ml / min / 1.73 m2

INTERPRETATION :  
eGFR > 90 : Normal  
eGFR 60 - 90 : Normal or mild decrease GFR  
eGFR 30 - 59 : Moderate decrease in GFR / Stage 3 CKD  
eGFR 15 - 29 : Severe decrease in GFR / Stage 4 CKD  
eGFR < 15 : End stage renal disease / Stage 5 CKD

### Note

The MDRD eGFR is NOT a sensitive test for renal failure and can not be used to detect mild renal impairment ( eGFR 60 - 90 ml / min / 1.73 m2 )

This is a recommendation of peak renal and pathology bodies in Australia ( Chronic Kidney disease and automatic reporting of glomerular filtration rate - CKD )

The results are expressed relative to standard body surface area of 1.73 m2

The equation is only valid in person 18 yrs of age or older

The use of eGFR in patient on dialysis is inappropriate and will give misleading results

The formula has not been validated for drug dosing , in such case alternate eGFR equation by Cockcroft and Gault should be used.

Results may deviate from true values in patient with exceptional dietary intake ( vegetarian diet , high protein intake , creatine supplements ) and extreme body composition ( lean , obese , paraplegic ) and severe liver disease.

Results > 60 ml / min / 1.73 m2 do not necessarily indicates normal renal functions.

The most sensitive routine test for small reduction in GFR is a comparison of S. Creatinine with previous result

An increase of 15 % or more in S. Creatinine indicates significant fall in eGFR

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