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Healthcare Laboratory

Patient's Name	: Arunaben Dixit	Ref.No.	: HL-15345-21
Age/Sex	: 68 Years /Female	Reg. Date	: 31/12/2021 11:20
Referred by	: C/o. Dr At Doorstep	Collection. Time	: 31/12/2021 11 : 10

6237

RENAL FUNCTION TESTS

TESTS	RESULTS	UNITS	BIOLOGICAL REF INTERVAL
BLOOD UREA	**54**	mg / dl	15 - 40

authorized signatory

verify by : mukesh j
reporting Verification Time : 31/12/2021 12:21:00
report print Date/Time :31/12/2021 12:23
---: end of report :---

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estimated GLOMERULAR FILTRATION RATE (eGFR) - MDRD EQUATION

AGE	:	68 yrs
S. CREATININE	:	**1.46 mg / dl**
CONSTANT	:	1.0
eGFR	:	**48 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 auto matic 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.
Resultes > 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 comparision of S. Creatinine with previous result
An increase of 15 % or more in S. Creatnine indicates significant fall in eGFR

authorized signatory

verify by : mukesh j ***dr. d.p.kapuriya*** ***dr.khushbu chaudhari***

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SERUM ELECTROLYTES

TESTS	RESULTS	UNITS	NORMALS
S. SODIUM	**136**	mmol/L	135 - 145
S. POTASSIUM	**4.9**	mmol/L	3.5 - 5.5

authorized signatory

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