PKR JAIN HEALTHCARE INSTITUTE NASIRPUR, Hissar Road, AMBALA CITY- (Haryana)

A PIONEER DIAGNOSTIC CENTRE

🔽 0171-2532620, 8222896961 🛛 🖾 pkrjainhealthcare@gmail.com

NAME	: Mr. NARINDER VERMA			
AGE/ GENDER	: 35 YRS/MALE	PATIENT ID		: 1531845
COLLECTED BY	:	REG. NO./LA	B NO.	: 122411050010
REFERRED BY	:	REGISTRATI	ON DATE	: 05/Nov/2024 09:33 AM
BARCODE NO.	: 12505450	COLLECTION	DATE	:05/Nov/2024 10:01AM
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTITUTE	REPORTING	DATE	:05/Nov/202401:09PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA			
Test Name	Va	lue	Unit	Biological Reference interval
	HA	EMOGLOBIN (HE	3)	
HAEMOGLOBIN (H by CALORIMETRIC INTERPRETATION:-	(B) 11	1.6 ^L	gm/dL	12.0 - 17.0
Hemoglobin is the pr	otein molecule in red blood cells that carr	ries oxygen from the lu	ngs to the bo	odys tissues and returns carbon dioxide from t
tissues back to the lu A low hemoglobin lev	Ings. vel is referred to as ANEMIA or low red blo	od count		
ANEMIA (DECRESED	HAEMOGLOBIN):			
1) Loss of blood (trau 2) Nutritional deficie	umatic injury, surgery, bleeding, colon car ncy (iron, vitamin B12, folate)	ncer or stomach ulcer)		
	blems (replacement of bone marrow by cal	ncer)		
 Suppression by re- 	d blood cell synthesis by chemotherapy d	rugs		
5) Kidney failure	obin structure (sickle cell anemia or thala	(acomia)		
	REASED HAEMOGLOBIN):	issemia).		
1) People in higher a	Iltitudes (Physiological)			
Smoking (Seconda)	ry Polycythemia)			
3) Dehydration prod	uces a falsely rise in hemoglobin due to in ease (for example, emphysema)	creased haemoconcen	tration	
5) Certain tumors	ease (for example, emprysema)			
6) A disorder of the b	oone marrow known as polycythemia rubr			
				a second a financia second la la tanta la alca de alca de seconda de la seconda de la seconda de la seconda de

7) Abuse of the drug erythropoetin (Epogen) by athletes for blood doping purposes (increasing the amount of oxygen available to the body by chemically raising the production of red blood cells).

NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD



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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS , MD (PATHOLOGY)

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CLIENT ADDRESS	ADDRESS : NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA				
Test Name		Value	Unit	Biological Reference interval	
	KII	DNEY FUNCTION	N TEST (BASIC)		
UDEA. CEDUM	КП		•	10.00 50.00	
UREA: SERUM by UREASE - GLUTAM	KII	DNEY FUNCTION 29.17	N TEST (BASIC) mg/dL	10.00 - 50.00	
by UREASE - GLUTAM	IATE DEHYDROGENASE (GLDH) JM		•	10.00 - 50.00 0.40 - 1.40	
by UREASE - GLUTAM CREATININE: SERU by ENZYMATIC, SPEC BLOOD UREA NITR	IATE DEHYDROGENASE (GLDH) JM	29.17	mg/dL		
by UREASE - GLUTAM CREATININE: SERU by ENZYMATIC, SPEC BLOOD UREA NITR by CALCULATED, SPE BLOOD UREA NITR	IATE DEHYDROGENASE (GLDH) JM TROPHOTOMETERY 20GEN (BUN): SERUM	29.17 1.34	mg/dL mg/dL	0.40 - 1.40	
by UREASE - GLUTAM CREATININE: SERU by ENZYMATIC, SPEC BLOOD UREA NITR by CALCULATED, SPE BLOOD UREA NITR RATIO: SERUM	TATE DEHYDROGENASE (GLDH) JM TROPHOTOMETERY 20GEN (BUN): SERUM ECTROPHOTOMETERY	29.17 1.34 13.63	mg/dL mg/dL mg/dL	0.40 - 1.40 7.0 - 25.0	
by UREASE - GLUTAM CREATININE: SERU by ENZYMATIC, SPEC BLOOD UREA NITR by CALCULATED, SPE BLOOD UREA NITR RATIO: SERUM by CALCULATED, SPE UREA/CREATININ	TATE DEHYDROGENASE (GLDH) JM TROPHOTOMETERY 20GEN (BUN): SERUM COTROPHOTOMETERY 20GEN (BUN)/CREATININE	29.17 1.34 13.63	mg/dL mg/dL mg/dL	0.40 - 1.40 7.0 - 25.0	





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT

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CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA				
Test Name	Va	lue Unit	Biological Reference interval		
1.Prerenal azotemia glomerular filtration 2.Catabolic states wi 3.GI hemorrhage. 4.High protein intake 5.Impaired renal fun 6.Excess protein inta burns, surgery, cache 7.Urine reabsorption 8.Reduced muscle m 9.Certain drugs (e.g. INCREASED RATIO (1.Postrenal azotemia 2.Prerenal azotemia 2.Prerenal azotemia 2.Decreased RATIO (1.Acute tubular necr 2.Low protein diet ar 3.Severe liver diseas 4.Other causes of de 5.Repeated dialysis (6.Inherited hyperam 7.SIADH (syndrome c 8.Pregnancy. DECREASED RATIO (1.Phenacimide thera 2.Rhabdomyolysis (r 3.Muscular patients INAPPROPIATE RATIO 1.Diabetic ketoacido should produce an ir	th increased tissue breakdown. ction plus . ke or production or tissue breakdown (e.g. xia, high fever). (e.g. ureterocolostomy) ass (subnormal creatinine production) tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATININE LEVELS: (BUN rises disproportionately more than superimposed on renal disease. 10:1) WITH DECREASED BUN : osis. Id starvation. 2. creased urea synthesis. urea rather than creatinine diffuses out of monemias (urea is virtually absent in bloo of inappropiate antidiuretic harmone) due : 10:1) WITH INCREASED CREATININE: py (accelerates conversion of creatine to c eleases muscle creatinine). who develop renal failure. b:	, infection, GI bleeding, thyrotoxic PERF creatinine) (e.g. obstructive uropa f extracellular fluid). d). to tubular secretion of urea. reatinine). creatinine with certain methodolo	osis, Cushings syndrome, high protein diet,		





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NOT VALID FOR MEDICO LEGAL PURPOSE

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: 12505450	COLLECTION DATE	: 05/Nov/2024 10:01AM
: P.K.R JAIN HEALTHCARE INSTITUTE	REPORTING DATE	:05/Nov/202403:38PM
: NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA		
Value	Unit	Biological Reference interval
	: 35 YRS/MALE : : : 12505450 : P.K.R JAIN HEALTHCARE INSTITUTE : NASIRPUR, HISSAR ROAD, AMBALA CITY - H	: 35 YRS/MALEPATIENT ID:REG. NO./LAB NO.:REGISTRATION DATE: 12505450COLLECTION DATE: P.K.R JAIN HEALTHCARE INSTITUTEREPORTING DATE: NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA

GLOMERULAR FILTERATION RATE (GFR) - ESTIMATED

ESTIMATED GLOMERULAR FILTERATION RATE (eGFR): SERUM

60.7

mL/min/1.73m2 KIDNEY FAILURE: < 15.0

by SPECTROPHOTOMETRY-ENZYMATIC, MDRD CALCULATION INITEDDDETATION

INTERPRETATION:			
CKD STAGE	DESCRIPTION	GFR (mL/min/1.73m2)	ASSOCIATED FINDINGS
G1	Normal kidney function	>90	No proteinuria
G2	Kidney damage with normal or high GFR	>90	Presence of Protein , Albumin or cast in urine
G3a	Mild decrease in GFR	60 -89	
G3b	Moderate decrease in GFR	30-59	
G4	Severe decrease in GFR	15-29	
G5	Kidney failure	<15	

COMMENTS

1. Estimated Glomerular filtration rate (eGFR) is the sum of filtration rates in all functioning nephrons and so an estimation of the GFR provides a measure of functioning nephrons of the kidney. 2. eGFR calculated using the 2009 CKD-EPI creatinine equation and GFR category reported as per KDIGO guideline 2012

3. In patients, with eGFR creatinine between 45-59 ml/min/1.73 m2 (G3) and without any marker of Kidney damage, It is recommended to measure eGFR with Cystatin C for confirmation of CKD

4. eGFR category G1 OR 62 does not fullfill the criteria for CKD, in the absence of evidence of Kidney Damage
 5. In a suspected case of Acute Kidney Injury (AKI), measurement of eGFR should be done after 48-96 hours of any Intervention or procedure
 6. eGFR calculated by Serum Creatinine may be less accurate due to certain factors like Race, Muscle Mass, Diet, Certain Drugs. In such cases,

eGFR should be calculated using Serum Cystatin C

7. A decrease in eGFR implies either progressive renal disease, or a reversible process causing decreased nephron function (eg, severe dehydration). ADVICE:

KDIGO guideline, 2012 recommends Chronic Kidney Disease (CKD) should be classified based on cause, eGFR category and Albuminuria (ACR) category. GFR & ACR category combined together reflect risk of progression and helps Clinician to identify the individual who are progressing at more rapid rate than anticipated

*** End Of Report ***





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