



	y Chopra ogy & Microbiology) & Consultant Pathologist	Dr. Yugam C MD (Pa CEO & Consultant Pa	thology)
IAME: Mr. SANDEEP WALIAIGE/ GENDER: 48 YRS/MALECOLLECTED BY:			: 1692123 : 012412060003
REFERRED BY : BARCODE NO. : 01522045 CLIENT CODE. : KOS DIAGNOSTIC LAB CLIENT ADDRESS : 6349/1, NICHOLSON R(COI REF	LECTION DATE	: 06/Dec/2024 07:37 AM : 06/Dec/2024 07:40AM : 06/Dec/2024 08:34AM
Fest Name	Value	Unit	Biological Reference interval
	WASTHYA WELLN COMPLETE BLOOI		
RED BLOOD CELLS (RBCS) COUNT AND IN HAEMOGLOBIN (HB)	12.9	gm/dL	12.0 - 17.0
by CALORIMETRIC ED BLOOD CELL (RBC) COUNT	4.94	Millions/cm	am 3.50 - 5.00
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPED ACKED CELL VOLUME (PCV)	41	%	40.0 - 54.0
by CALCULATED BY AUTOMATED HEMATOLOGY AN IEAN CORPUSCULAR VOLUME (MCV)	83	fL	80.0 - 100.0
by CALCULATED BY AUTOMATED HEMATOLOGY AN IEAN CORPUSCULAR HAEMOGLOBIN (MCI	H) 26.2^L	pg	27.0 - 34.0
by CALCULATED BY AUTOMATED HEMATOLOGY AN IEAN CORPUSCULAR HEMOGLOBIN CONC.	(MCHC) 31.5^L	g/dL	32.0 - 36.0
by CALCULATED BY AUTOMATED HEMATOLOGY AN ED CELL DISTRIBUTION WIDTH (RDW-CV) 14.2	%	11.00 - 16.00
by CALCULATED BY AUTOMATED HEMATOLOGY AN ED CELL DISTRIBUTION WIDTH (RDW-SD) 44.1	fL	35.0 - 56.0
by CALCULATED BY AUTOMATED HEMATOLOGY AN MENTZERS INDEX by CALCULATED	16.8	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX by calculated WHITE BLOOD CELLS (WBCS)	23.94	RATIO	BETA THALASSEMIA TRAIT:< 65.0 IRON DEFICIENCY ANEMIA: > 65.0
COTAL LEUCOCYTE COUNT (TLC)	8510	/cmm	4000 - 11000
			0.00 - 20.00
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY NUCLEATED RED BLOOD CELLS (nRBCS) by AUTOMATED 6 PART HEMATOLOGY ANALYZER	NIL		





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist

Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

NAME	: Mr. SANDEEP WALIA		
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Test Name	Value	Unit	Biological Reference interval
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	68	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	24	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	6	%	2 - 12
BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	%	0 - 1
ABSOLUTE LEUKOCYTES (WBC) COUNT			
ABSOLUTE NEUTROPHIL COUNT by flow cytometry by sf cube & microscopy	5787	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by flow cytometry by sf cube & microscopy	2042	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by flow cytometry by sf cube & microscopy	170	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	511	/cmm	80 - 880
ABSOLUTE BASOPHIL COUNT by flow cytometry by sf cube & microscopy	0	/cmm	0 - 110
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	232000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.3	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	13 ^H	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	104000 ^H	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	45.1 ^H	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	16.3	%	15.0 - 17.0





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		T T •.	
Test Name	Value	Unit	Biological Reference interval





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LIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	ERYTHRO	OCYTE SEDI	MENTATION RATE (1	ESR)
2. An ESR can be affe as C-reactive protein 3. This test may also systemic lupus eryth CONDITION WITH LO A low ESR can be see (polycythaemia), sign as sickle cells in sick NOTE: 1. ESR and C - reactiv 2. Generally, ESR dog 3. CRP is not affected 4. If the ESR is elevat 5. Women tend to ha	be used to monitor disease activity ematosus W ESR in with conditions that inhibit the r nificantly high white blood cell cou le cell anaemia) also lower the ESF e protein (C-RP) are both markers of es not change as rapidly as does CR by as many other factors as is ESR , ed, it is typically a result of two typ we a higher ESR, and menstruation	nflammation. For y and response normal sedimer int (leucocytosi R. of inflammation P, either at the , making it a be oes of proteins, and pregnancy	or this reason, the ESR is typ to therapy in both of the a ntation of red blood cells, su s) , and some protein abno n. e start of inflammation or as tter marker of inflammatior globulins or fibrinogen. c can cause temporary eleva	bicallý used in conjunction with other test such bove diseases as well as some others, such as uch as a high red blood cell count rmalities. Some changes in red cell shape (such s it resolves.





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Test Name		Value	Unit	Biological Reference interval
	CLINI	CAL CHEMIS	TRY/BIOCHEMIST	'RY
		GLUCOSE	FASTING (F)	

IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES: 1. A fasting plasma glucose level below 100 mg/dl is considered normal. 2. A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood





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test (after consumption of 75 gms of glucose) is recommended for all such patients. 3. A fasting plasma glucose level of above 125 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients. A fasting plasma glucose level in excess of 125 mg/dl on both occasions is confirmatory for diabetic state.



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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAI	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		LIPID PROF	ILE : BASIC	
CHOLESTEROL TOT	TAL: SERUM	224.05 ^H	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX		224.00	0	BORDERLINE HIGH: 200.0 -
				239.0 HIGH CHOLESTEROL: > OR =
				240.0
FRIGLYCERIDES: SI		167.97 ^H	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSP	HATE OXIDASE (ENZYMATIC)			BORDERLINE HIGH: 150.0 - 199.0
				HIGH: 200.0 - 499.0
				VERY HIGH: $> OR = 500.0$
HDL CHOLESTEROI by SELECTIVE INHIBITI	L (DIRECT): SERUM	35.61	mg/dL	LOW HDL: < 30.0
by SELECTIVE INTIBITI	ON			BORDERLINE HIGH HDL: 30.0 60.0
				HIGH HDL: $> OR = 60.0$
LDL CHOLESTEROL by CALCULATED, SPE		154.85 ^H	mg/dL	OPTIMAL: < 100.0
by CALCOLATED, SPE	CIROPHOTOMETRY			ABOVE OPTIMAL: 100.0 - 129. BORDERLINE HIGH: 130.0 -
				159.0
				HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0
NON HDL CHOLEST	FROL: SERUM	188.44 ^H	mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPE		100.44	ing, uz	ABOVE OPTIMAL: 130.0 - 159.
				BORDERLINE HIGH: 160.0 - 189.0
				HIGH: 190.0 - 219.0
				VERY HIGH: $> OR = 220.0$
VLDL CHOLESTERC by CALCULATED, SPE		33.59	mg/dL	0.00 - 45.00
FOTAL LIPIDS: SER		616.07	mg/dL	350.00 - 700.00
by CALCULATED, SPE	CTROPHOTOMETRY			
CHOLESTEROL/HD by CALCULATED, SPE		6.29 ^H	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0
				MODERATE RISK: 4.00 - 7.0
-				MODEMATE MDR. 7.10 11.0



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Test Name		Value	Unit	Biological Reference interval
LDL/HDL RATIO: S by CALCULATED, SPE		4.35 ^H	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE	IDL RATIO: SERUM	4.72	RATIO	3.00 - 5.00

INTERPRETATION:

1. Measurements in the same patient can show physiological analytical variations. Three serial samples 1 week apart are recommended for Total Cholesterol, Triglycerides, HDL & LDL Cholesterol.

2. As per NLA-2014 guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.

 Low HDL levels are associated with increased risk for Atherosclerotic Cardiovascular disease (ASCVD) due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues.
 NLA-2014 identifies Non HDL Cholesterol (an indicator of all atherogeniclipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants) along with LDL-cholesterol as co- primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL & Non HDL

5. Additional testing for Apolipoprotein B, hsCRP,Lp(a) & LP-PLA2 should be considered among patients with moderate risk for ASCVD for risk refinement





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Test Name		Value	Unit	Biological Reference interval
	LIVER	FUNCTION T	'EST (COMPLETE)	
BILIRUBIN TOTAL: by DIAZOTIZATION, SF	SERUM PECTROPHOTOMETRY	0.55	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	C (CONJUGATED): SERUM	0.15	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE by CALCULATED, SPE	CT (UNCONJUGATED): SERUM	0.4	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	30.7	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	RIDOXAL PHOSPHATE	37.3	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE		0.82	RATIO	0.00 - 46.00
ALKALINE PHOSPH by PARA NITROPHEN PROPANOL	IATASE: SERUM YL PHOSPHATASE BY AMINO METHYL	132.1 ^H	U/L	40.0 - 130.0
GAMMA GLUTAMY by szasz, spectrof	L TRANSFERASE (GGT): SERUM	31.84	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO		7.26	gm/dL	6.20 - 8.00
ALBUMIN: SERUM	DEEN	4.06	gm/dL	3.50 - 5.50

Dr. Vinav

by CALCULATED, SPECTROPHOTOMETRY A : G RATIO: SERUM by CALCULATED, SPECTROPHOTOMETRY

by BROMOCRESOL GREEN

INTERPRETATION

GLOBULIN: SERUM

NOTE:- To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range.

USE:- Differential diagnosis of diseases of hepatobiliary system and pancreas.

INCREASED:

> 2
> 2 (Highly Suggestive)
1.4 - 2.0
> 1.5
> 1.3 (Slightly Increased)

3.2

1.27





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gm/dL

RATIO

2.30 - 3.50

1.00 - 2.00

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DECREASED:

1. Acute Hepatitis due to virus, drugs, toxins (with AST increased 3 to 10 times upper limit of normal)

2. Extra Hepatic cholestatis: 0.8 (normal or slightly decreased).

NORMAL	< 0.65
GOOD PROGNOSTIC SIGN	0.3 - 0.6
POOR PROGNOSTIC SIGN	1.2 - 1.6



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Test Name		Value	Unit	Biological Reference interva	
	KIDNI	THE STREET STREET	N TEST (COMPLETE)		
UREA: SERUM		18.91	mg/dL	10.00 - 50.00	
by UREASE - GLUTAN	ATE DEHYDROGENASE (GLDH)		Ũ		
CREATININE: SERI		1.16	mg/dL	0.40 - 1.40	
	ROGEN (BUN): SERUM	8.84	mg/dL	7.0 - 25.0	
		7.62 ^L		10.0.00.0	
RATIO: SERUM	BLOOD UREA NITROGEN (BUN)/CREATININE		RATIO	10.0 - 20.0	
	ECTROPHOTOMETRY				
UREA/CREATININ		16.3	RATIO		
URIC ACID: SERUM	by CALCULATED, SPECTROPHOTOMETRY URIC ACID: SERUM		mg/dL	3.60 - 7.70	
by URICASE - OXIDAS		6.63			
CALCIUM: SERUM by ARSENAZO III. SPE	ECTROPHOTOMETRY	9.51	mg/dL	8.50 - 10.60	
PHOSPHOROUS: SE	by ARSENAZO III, SPECTROPHOTOMETRY PHOSPHOROUS: SERUM		mg/dL	2.30 - 4.70	
by PHOSPHOMOLYBE <u>ELECTROLYTES</u>	DATE, SPECTROPHOTOMETRY				
<u>ELECTROLITES</u> SODIUM: SERUM		144.6	mmol/L	135.0 - 150.0	
by ISE (ION SELECTIV	/E ELECTRODE)	144.0	IIIII01/ L	133.0 - 130.0	
POTASSIUM: SERUM		4.06	mmol/L	3.50 - 5.00	
by ISE (ION SELECTIVE ELECTRODE) CHLORIDE: SERUM		108.45	mmol/L	90.0 - 110.0	
by ISE (ION SELECTIVE ELECTRODE)				00.0 110.0	
	MERULAR FILTERATION RATE				
ESTIMATED GLOM (eGFR): SERUM	ERULAR FILTERATION RATE	77.7			
by CALCULATED					
INTERPRETATION:					

INTERPRETATION:

To differentiate between pre- and post renal azotemia.

INCREASED RATIO (>20:1) WITH NORMAL CREATININE:

1. Prerenal azotemia (BUN rises without increase in creatinine) e.g. heart failure, salt depletion, dehydration, blood loss) due to decreased glomerular filtration rate.

2. Catabolic states with increased tissue breakdown.

3. GI haemorrhage.



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CLIENT ADDRESS	: 6349/1, NICH	OLSON ROAD, AME	ALA CANTT					
Test Name			Value		Unit	Biolog	jical Reference	e interval
6. Excess protein inta burns, surgery, cache 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 1. Acute tubular necr	kia, high fever). (e.g. ureter colo: ass (subnormal c tetracycline, glue D:1) WITH ELEVA (BUN rises dispr superimposed of D:1) WITH DECRE	tomy) reatinine productio cocorticoids) FED CREATININE LEV oportionately more a renal disease.	n) ELS :				lrome, high prot	ein diet,
burns, surgery, cache 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia 2. Prerenal azotemia DECREASED RATIO (<1 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome c 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther	kia, high fever). (e.g. ureter color ass (subnormal of tetracycline, glue D:1) WITH ELEVA (BUN rises dispr superimposed of 0:1) WITH DECRE osis. d starvation. creased urea syn urea rather than monemias (urea f inappropiate a 0:1) WITH INCRE oy (accelerates of eleases muscle of who develop rer sis (acetoacetates creased BUN/creation LAR FILTERATION Norri	tomy) reatinine productio cocorticoids) FED CREATININE LEV oportionately more a renal disease. ASED BUN : thesis. creatinine diffuses is virtually absent in tidiuretic harmone ASED CREATININE: onversion of creatin reatinine). al failure. causes false increa atinine ratio). ith creatinine measi	n) ELS: than creatining but of extracel blood). due to tubular e to creatining se in creatining urement).	e) (e.g. obstruc Iular fluid). r secretion of u).	tive uropa Irea. nethodolc	thy).	rmal ratio wher	
ourns, surgery, cache 7. Urine reabsorption 3. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (>1 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome c 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERL <u>G1</u> <u>G2</u>	kia, high fever). (e.g. ureter color ass (subnormal of tetracycline, glue D:1) WITH ELEVA (BUN rises dispr superimposed of 0:1) WITH DECRE osis. d starvation. creased urea syn urea rather than monemias (urea f inappropiate a 0:1) WITH INCRE oy (accelerates of eleases muscle of who develop ren sis (acetoacetate creased BUN/crea and Color Creater sis (acetoacetate creased BUN/creater and Color Creater and Color Creater sis (acetoacetater creased BUN/creater LAR FILTERATION Norre- Kin Norre- Kin Norre- Kin Norre- Creater Creater Color Color Creater	tomy) reatinine productio cocorticoids) FED CREATININE LEV oportionately more a renal disease. ASED BUN : thesis. creatinine diffuses is virtually absent in tidiuretic harmone ASED CREATININE: onversion of creatin reatinine). al failure. causes false increa atinine ratio). ith creatinine measu IRATE: DESCRIPTION nal kidney function ney damage with rmal or high GFR	n) ELS: than creatinine blood). due to tubular e to creatinine se in creatinine urement). GFR (mL	e) (e.g. obstruct lular fluid). r secretion of u e). e with certain r <u>/min/1.73m2)</u> >90 >90	tive uropa Irea. nethodolo	thy). gies,resulting in no SOCIATED FINDINGS No proteinuria	rmal ratio wher	
ourns, surgery, cache 7. Urine reabsorption 3. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (<1 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome c 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERL G1 G2 G3 G3a	kia, high fever). (e.g. ureter color ass (subnormal of tetracycline, glue D:1) WITH ELEVA (BUN rises disprisuperimposed of 0:1) WITH DECRE osis. d starvation. creased urea synurea rather than monemias (urea f inappropiate a 0:1) WITH INCRE oy (accelerates of eleases muscle of who develop remissis (acetoacetates of creased BUN/creations) LAR FILTERATION Norm Kio Norm Kio Norm Kio Norm Kio Norm	tomy) reatinine productio cocorticoids) FED CREATININE LEV oportionately more a renal disease. ASED BUN : thesis. creatinine diffuses is virtually absent in tidiuretic harmone ASED CREATININE: onversion of creatin reatinine). al failure. causes false increa atinine ratio). ith creatinine measu IRATE: DESCRIPTION nal kidney function ney damage with rmal or high GFR d decrease in GFR	n) ELS: than creatinine blood). due to tubular e to creatinine se in creatinine urement). GFR (mL	e) (e.g. obstruc lular fluid). r secretion of u e). e with certain r <u>/min/1.73m2) >90 >90 60 -89</u>	tive uropa Irea. nethodolo	thy). gies,resulting in no SOCIATED FINDINGS No proteinuria esence of Protein ,	rmal ratio wher	
burns, surgery, cache 7. Urine reabsorption 8. Reduced muscle m 9. Certain drugs (e.g. INCREASED RATIO (>2 1. Postrenal azotemia DECREASED RATIO (<1 1. Acute tubular necr 2. Low protein diet ar 3. Severe liver disease 4. Other causes of de 5. Repeated dialysis (6. Inherited hyperam 7. SIADH (syndrome c 8. Pregnancy. DECREASED RATIO (<1 1. Phenacimide thera 2. Rhabdomyolysis (r 3. Muscular patients INAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in 2. Cephalosporin ther ESTIMATED GLOMERL <u>G1</u> <u>G2</u>	kia, high fever). (e.g. ureter color ass (subnormal of tetracycline, glue D:1) WITH ELEVA (BUN rises disprisuperimposed of 0:1) WITH DECRE osis. d starvation. creased urea synurea rather than monemias (urea f inappropiate a 0:1) WITH INCRE oy (accelerates of eleases muscle of who develop remissis (acetoacetates of creased BUN/creased apy (interferes with LAR FILTERATION Normissis (ureased BUN/creased apy (interferes with LAR FILTERATION Normissis (ureased BUN/creased D) (uncetates of (uncetates of the subsectates of a contraction of the subsectates of the subsectates of a contraction of the subsectates	tomy) reatinine productio cocorticoids) FED CREATININE LEV oportionately more a renal disease. ASED BUN : thesis. creatinine diffuses is virtually absent in tidiuretic harmone ASED CREATININE: onversion of creatin reatinine). al failure. causes false increa atinine ratio). ith creatinine measu IRATE: DESCRIPTION nal kidney function ney damage with rmal or high GFR	n) ELS: than creatinine blood). due to tubular e to creatinine se in creatinine urement). GFR (mL	e) (e.g. obstruct lular fluid). r secretion of u e). e with certain r <u>/min/1.73m2)</u> >90 >90	tive uropa Irea. nethodolo	thy). gies,resulting in no SOCIATED FINDINGS No proteinuria esence of Protein ,	rmal ratio wher	



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









	Dr. Vinay Chopra MD (Pathology & Microbiole Chairman & Consultant Path		(Pathology)
NAME	: Mr. SANDEEP WALIA		
AGE/ GENDER	: 48 YRS/MALE	PATIENT ID	: 1692123
COLLECTED BY	:	REG. NO./LAB NO.	: 012412060003
REFERRED BY	:	REGISTRATION DATE	: 06/Dec/2024 07:37 AM
BARCODE NO.	: 01522045	COLLECTION DATE	:06/Dec/2024 07:40AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	:06/Dec/2024 10:36AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA C	ANTT	
Test Name	Valu	le Unit	Biological Reference interval

COMMENTS:

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.
 eGFR calculated using the 2009 CKD-EPI creatinine equation and GFR category reported as per KDIGO guideline 2012
 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 of CFD with the commended to measure

3. In patients, with eGFR cleaning between 45-59 minimit 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 G2 does not fulfill 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





DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY)

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

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	Dr. Vinay Cho MD (Pathology & Chairman & Const		Microbiology) MD (Pathology)		
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BARCODE NO.	: 01522045		LLECTION DATE	:06/Dec/2024 07:40AM	
CLIENT CODE. CLIENT ADDRESS	: KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, A		REPORTING DATE : 06/Dec/2024 09:25AM A CANTT		
Test Name		Value	Unit	Biological Reference interval	
		CLINICAL PA	THOLOGY		
	URINE ROU	UTINE & MICRO	SCOPIC EXAMINA	ATION	
PHYSICAL EXAMI	NATION				
QUANTITY RECIEV		10	ml		
COLOUR	CTANCE SPECTROPHOTOMETRY	PALE YELLO	w	PALE YELLOW	
TRANSPARANCY	CTANCE SPECTROPHOTOMETRY	CLEAR		CLEAR	
SPECIFIC GRAVITY		1.02		1.002 - 1.030	
CHEMICAL EXAMI	CTANCE SPECTROPHOTOMETRY				
REACTION		ACIDIC			
PROTEIN	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
SUGAR	CTANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
pH	CTANCE SPECTROPHOTOMETRY	6		5.0 - 7.5	
BILIRUBIN		Negative		NEGATIVE (-ve)	
NITRITE	TANCE SPECTROPHOTOMETRY	Negative		NEGATIVE (-ve)	
UROBILINOGEN	TANCE SPECTROPHOTOMETRY.	Normal	EU/dL	0.2 - 1.0	
KETONE BODIES		Negative		NEGATIVE (-ve)	
BLOOD		Negative		NEGATIVE (-ve)	
ASCORBIC ACID	CTANCE SPECTROPHOTOMETRY CTANCE SPECTROPHOTOMETRY AMINATION	NEGATIVE (-	ve)	NEGATIVE (-ve)	
RED BLOOD CELLS		NEGATIVE (-	ve) /HPF	0 - 3	



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist

Dr. Yugam Chopra MD (Pathology) CEO & Consultant Pathologist

NAME	: Mr. SANDEEP WALIA			
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
by MICROSCOPY ON O	CENTRIFUGED URINARY SEDIMENT			
PUS CELLS		2-4	/HPF	0 - 5

2-4	/HPF	0 - 5
1-3	/HPF	ABSENT
NEGATIVE (-ve)		NEGATIVE (-ve)
ABSENT		ABSENT
	1-3 NEGATIVE (-ve) NEGATIVE (-ve) NEGATIVE (-ve) NEGATIVE (-ve)	1-3 /HPF NEGATIVE (-ve) NEGATIVE (-ve) NEGATIVE (-ve)

End Of Report





DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY)

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

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