



Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultant		obiology)		(Pathology)
NAME	: Mrs. SUKRITI			
AGE/ GENDER	: 33 YRS/FEMALE		PATIENT ID	: 1750824
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012502090033
REFERRED BY	:		REGISTRATION DATE	: 09/Feb/2025 11:06 AM
BARCODE NO.	: 01525212		COLLECTION DATE	: 09/Feb/2025 11:12AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 09/Feb/2025 11:24AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB/	ALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	SWAST	THYA WE	ELLNESS PANEL: D	
	СОМР	LETE BLO	DOD COUNT (CBC)	
RED BLOOD CELLS	(RBCS) COUNT AND INDICES			
HAEMOGLOBIN (H	3)	11.2 ^L	gm/dL	12.0 - 16.0
by CALORIMETRIC RED BLOOD CELL (4.56	Millions/	cmm 3.50 - 5.00
PACKED CELL VOLU		35.4 ^L	%	37.0 - 50.0
by CALCULATED BY A MEAN CORPUSCULA	utomated hematology analyzer AR VOLUME (MCV)	77.6 ^L	fL	80.0 - 100.0
	UTOMATED HEMATOLOGY ANALYZER AR HAEMOGLOBIN (MCH)	24.6 ^L	pg	27.0 - 34.0
	UTOMATED HEMATOLOGY ANALYZER AR HEMOGLOBIN CONC. (MCHC)	31.7 ^L	g/dL	32.0 - 36.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER			
	UTION WIDTH (RDW-CV) UTOMATED HEMATOLOGY ANALYZER	14.2	%	11.00 - 16.00
RED CELL DISTRIB	UTION WIDTH (RDW-SD)	41.2	fL	35.0 - 56.0
MENTZERS INDEX	UTOMATED HEMATOLOGY ANALYZER	17.02	RATIO	BETA THALASSEMIA TRAIT: <
by CALCULATED				13.0
				IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING IND	EX	24.2	RATIO	BETA THALASSEMIA TRAIT:<=
by CALCULATED				65.0 IRON DEFICIENCY ANEMIA: >
				65.0
WHITE BLOOD CE	LLS (WBCS)			
TOTAL LEUCOCVTE	COUNT (TLC)	9110	/cmm	4000 - 11000
		NH		0.00 - 20.00
by FLOW CYTOMETRY NUCLEATED RED B	LOOD CELLS (nRBCS)	NIL		
by FLOW CYTOMETRY NUCLEATED RED B by AUTOMATED 6 PAF	LOOD CELLS (nRBCS) PT HEMATOLOGY ANALYZER LOOD CELLS (nRBCS) %	NIL	%	< 10 %





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





MD (Pathology & Microbiology) Chairman & Consultant Pathologist

Dr. Vinay Chopra



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

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Test Name	Value	Unit	Biological Reference interval
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	79 ^H	%	50 - 70
LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	14 ^L	%	20 - 40
EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	2	%	1 - 6
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	5	%	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	7197	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	1275	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	182	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	456	/cmm	80 - 880
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	284000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	0.39 ^H	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	14 ^H	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	153000 ^H	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	53.9 ^H	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by hydro dynamic focusing, electrical impedence NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD	16	%	15.0 - 17.0





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





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LIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT			
Fest Name		Value	Unit	Biological R	eference interval
systemic lupus eryth CONDITION WITH LO' A low ESR can be see (polycythaemia), sigr as sickle cells in sickl NOTE: 1. ESR and C - reactiv 2. Generally, ESR doe 3. CRP is not affected 4. If the ESR is elevat 5. Women tend to ha 6. Drugs such as dext	be used to monitor disease acti ematosus W ESR In with conditions that inhibit the inficantly high white blood cell of the cell anaemia) also lower the e protein (C-RP) are both marke as not change as rapidly as does by as many other factors as is E ed, it is typically a result of two two a higher ESR, and menstruati iran, methyldopa, oral contrace and quinine may decrease it	ne normal sedimentatio count (leucocytosis) , ar ESR. rs of inflammation. CRP, either at the start SR, making it a better n types of proteins, glob on and pregnancy can c	n of red blood cells, s ad some protein abno of inflammation or a arker of inflammatio Jlins or fibrinogen. ause temporary eleva	such as a high red blood ce ormalities. Some changes s it resolves. n. ations.	ell count in red cell shape (suc





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







		h opra & Microbiology) nsultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
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Test Name		Value	Unit	Biological Reference interval
	CLINI	CAL CHEMISTR GLUCOSE FA	RY/BIOCHEMIST ASTING (F)	'nY
GLUCOSE FASTING by GLUCOSE OXIDAS	E (F): PLASMA E - PEROXIDASE (GOD-POD)	102.37 ^H	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0

KOS Diagnostic Lab (A Unit of KOS Healthcare)

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.



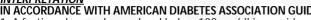
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IN ACCRDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES: 1. A fasting plasma glucose level below 100 mg/dl is considered normal. 2. A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting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





		Chopra y & Microbiology) Consultant Pathologist			
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LIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT			
Test Name		Value	Unit	Biological Reference interval	
		LIPID PROFIL	E : BASIC		
CHOLESTEROL TO	TAL: SERUM	187.23	mg/dL	OPTIMAL: < 200.0	
by CHOLESTEROL OX			ing, di	BORDERLINE HIGH: 200.0 - 239.0 HIGH CHOLESTEROL: > OR = 240.0	
FRIGLYCERIDES: S. by GLYCEROL PHOSP	ERUM HATE OXIDASE (ENZYMATIC)	56.9	mg/dL	OPTIMAL: < 150.0 BORDERLINE HIGH: 150.0 - 199.0 HIGH: 200.0 - 499.0	
HDL CHOLESTERO	L (DIRECT): SERUM	53.65	mg/dL	VERY HIGH: > OR = 500.0 LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0 60.0 HIGH HDL: > OR = 60.0	
LDL CHOLESTEROI by CALCULATED, SPE		122.2	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0 BORDERLINE HIGH: 130.0 - 159.0 HIGH: 160.0 - 189.0 VERY HIGH: > OR = 190.0	
NON HDL CHOLEST by CALCULATED, SPE		133.58 ^H	mg/dL	OPTIMAL: < 130.0 ABOVE OPTIMAL: 130.0 - 159. BORDERLINE HIGH: 160.0 - 189.0 HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0	
VLDL CHOLESTER(11.38	mg/dL	0.00 - 45.00	
OTAL LIPIDS: SER	UM	431.36	mg/dL	350.00 - 700.00	
CHOLESTEROL/HD by CALCULATED, SPE	L RATIO: SERUM	3.49	RATIO	LOW RISK: 3.30 - 4.40 AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0 HIGH RISK: > 11.0	

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Dr. Vinay ChopraDr. Yugam ChopraMD (Pathology & Microbiology)MD (Pathology)Chairman & Consultant PathologistCEO & Consultant Pathologist						
NAME	: Mrs. SUKRITI					
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Test Name		Value	Unit	Biological Reference interval		
LDL/HDL RATIO: S by Calculated, spe		2.28	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	1.06 ^L	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.

3. 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. 4. 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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Dr. Vinay Chopra Dr. Yugam Chopra MD (Pathology) MD (Pathology & Microbiology) Chairman & Consultant Pathologist **CEO & Consultant Pathologist** NAME : Mrs. SUKRITI AGE/ GENDER : 33 YRS/FEMALE **PATIENT ID** :1750824 **COLLECTED BY** : SURJESH :012502090033 REG. NO./LAB NO. **REFERRED BY REGISTRATION DATE** :09/Feb/2025 11:06 AM : **BARCODE NO.** :01525212 **COLLECTION DATE** :09/Feb/202511:12AM CLIENT CODE. : KOS DIAGNOSTIC LAB **REPORTING DATE** :09/Feb/202512:17PM **CLIENT ADDRESS** : 6349/1, NICHOLSON ROAD, AMBALA CANTT Value Unit **Biological Reference interval** Test Name LIVER FUNCTION TEST (COMPLETE) BILIRUBIN TOTAL: SERUM 0.78 mg/dL INFANT: 0.20 - 8.00 by DIAZOTIZATION, SPECTROPHOTOMETRY ADULT: 0.00 - 1.20 0.00 - 0.40 BILIRUBIN DIRECT (CONJUGATED): SERUM 0.19 mg/dL by DIAZO MODIFIED, SPECTROPHOTOMETRY BILIRUBIN INDIRECT (UNCONJUGATED): SERUM 0.59 mg/dL 0.10 - 1.00 by CALCULATED, SPECTROPHOTOMETRY 7.00 - 45.00 SGOT/AST: SERUM 16.4U/L by IFCC, WITHOUT PYRIDOXAL PHOSPHATE SGPT/ALT: SERUM 23.9 U/L 0.00 - 49.00 by IFCC, WITHOUT PYRIDOXAL PHOSPHATE AST/ALT RATIO: SERUM 0.69 RATIO 0.00 - 46.00 by CALCULATED, SPECTROPHOTOMETRY ALKALINE PHOSPHATASE: SERUM 90 U/L 40.0 - 130.0 by PARA NITROPHENYL PHOSPHATASE BY AMINO METHYL PROPANOL GAMMA GLUTAMYL TRANSFERASE (GGT): SERUM 24.07 U/L 0.00 - 55.0 by SZASZ, SPECTROPHTOMETRY

TOTAL PROTEINS: SERUM 7.3 gm/dL 6.20 - 8.00 by BIURET, SPECTROPHOTOMETRY 4.23 ALBUMIN: SERUM gm/dL 3.50 - 5.50 by BROMOCRESOL GREEN 3.07 2.30 - 3.50 **GLOBULIN: SERUM** gm/dL by CALCULATED, SPECTROPHOTOMETRY A : G RATIO: SERUM 1.38 RATIO 1.00 - 2.00 by CALCULATED, SPECTROPHOTOMETRY

INTERPRETATION

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:

DRUG HEPATOTOXICITY	> 2
ALCOHOLIC HEPATITIS	> 2 (Highly Suggestive)
CIRRHOSIS	1.4 - 2.0
INTRAHEPATIC CHOLESTATIS	> 1.5
HEPATOCELLULAR CARCINOMA & CHRONIC HEPATITIS	> 1.3 (Slightly Increased)





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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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	KIDNE	Y FUNCTION T	EST (COMPLETE)	
UREA: SERUM		20.74	mg/dL	10.00 - 50.00
	IATE DEHYDROGENASE (GLDH)	2011 1	Ũ	
CREATININE: SERU		0.87	mg/dL	0.40 - 1.20
-	ROGEN (BUN): SERUM	9.69	mg/dL	7.0 - 25.0
by CALCULATED, SPE	CTROPHOTOMETRY			
	ROGEN (BUN)/CREATININE	11.14	RATIO	10.0 - 20.0
RATIO: SERUM by CALCULATED, SPE	ECTROPHOTOMETRY			
UREA/CREATININ		23.84	RATIO	
by CALCULATED, SPE			(17	
URIC ACID: SERUM by URICASE - OXIDAS		3.65	mg/dL	2.50 - 6.80
CALCIUM: SERUM		9.9	mg/dL	8.50 - 10.60
by ARSENAZO III, SPE			-	
PHOSPHOROUS: SE	ERUM DATE, SPECTROPHOTOMETRY	3.84	mg/dL	2.30 - 4.70
ELECTROLYTES				
SODIUM: SERUM		143.28	mmol/L	135.0 - 150.0
by ISE (ION SELECTIV				
POTASSIUM: SERUE by ISE (ION SELECTIV		4.85	mmol/L	3.50 - 5.00
CHLORIDE: SERUM		107.46	mmol/L	90.0 - 110.0
by ISE (ION SELECTIV	(E ELECTRODE)			
ESTIMATED GLOM	IERULAR FILTERATION RATE			
	ERULAR FILTERATION RATE	90.2		
(eGFR): SERUM 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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AME	: Mrs. SUKRI	TI						
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Fest Name			Value	Un	it	Biolog	jical Referen	nce interval
2. Prerenal azotemia DECREASED RATIO (< 1. Acute tubular necr 2. Low protein diet an 3. Source liver disease	superimposed of 10:1) WITH DECR osis. nd starvation.	on renal disease.	han creatini	ne) (e.g. obstructive	e uropathy).			
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 of 8. Pregnancy. DECREASED RATIO (< 1. Phenacimide thera 2. Rhabdomyolysis (r 8. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido should produce an in	superimposed of 10:1) WITH DECR osis. Ind starvation. e. ecreased urea sy (urea rather than imonemias (urea of inappropiate a 10:1) WITH INCR apy (accelerates releases muscle who develop re osis (acetoacetat icreased BUN/cr rapy (interferes JLAR FILTERATIO Nor Ki	on renal disease. EASED BUN : In creatinine diffuses of a is virtually absent in antidiuretic harmone) EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increase eatinine ratio). with creatinine measu NRATE: DESCRIPTION mal kidney function dney damage with	out of extrac blood). due to tubu e to creatinir e in creatini rement).	ellular fluid). Iar secretion of urea ne).	a. hodologies, ASSOCIA No p Presend	TED FINDINGS proteinuria ce of Protein ,	<u>. </u>	ıen dehydra
CECREASED RATIO (< Acute tubular necr Low protein diet an Severe liver diseas Conter causes of de Repeated dialysis (SIADH (syndrome of Pregnancy. CECREASED RATIO (< Rhabdomyolysis (r Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in CED STAGE CKD STAGE G1	superimposed of 10:1) WITH DECR osis. Ind starvation. e. ecreased urea sy (urea rather than imonemias (urea of inappropiate a 10:1) WITH INCR apy (accelerates releases muscle who develop re osis (acetoacetat icreased BUN/cr rapy (interferes JLAR FILTERATIO Nor Ki Nor	on renal disease. EASED BUN : In creatinine diffuses of a is virtually absent in antidiuretic harmone) EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increass eatinine ratio). with creatinine measu NRATE: DESCRIPTION mal kidney function	out of extrac blood). due to tubu e to creatinir e in creatini rement).	ellular fluid). lar secretion of urea ne). ne with certain met nL/min/1.73m2) >90	a. hodologies, ASSOCIA No p Presend	TED FINDINGS	<u>. </u>	ıen dehydra
CREASED RATIO (< Acute tubular necr Low protein diet an Severe liver diseas Conter causes of de Repeated dialysis (SIADH (syndrome of Pregnancy. CECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an in CED STAGE G1 G2 G3a G3a G3b	superimposed of 10:1) WITH DECR osis. Ind starvation. e. ecreased urea sy (urea rather than imonemias (urea of inappropiate a 10:1) WITH INCR app (accelerates releases muscle who develop re osis (acetoacetat icreased BUN/cr rapy (interferes <u>JLAR FILTERATIO</u> Nor <u>Nor</u> <u>Nor</u> <u>Mod</u>	on renal disease. EASED BUN : In creatinine diffuses of a is virtually absent in antidiuretic harmone) EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increase eatinine ratio). with creatinine measu <u>N RATE:</u> <u>DESCRIPTION</u> mal kidney function dney damage with ormal or high GFR ild decrease in GFR erate decrease in GFR	out of extrac blood). due to tubu e to creatinir e in creatini rement).	ellular fluid). lar secretion of urea ne). ne with certain met nL/min/1.73m2) >90 >90	a. hodologies, ASSOCIA No p Presend	TED FINDINGS proteinuria ce of Protein ,	<u>. </u>	ıen dehydra
CECREASED RATIO (< Acute tubular necr Composition diet and Severe liver diseas Composition diet and Severe liver diseas Composition diseas Composition diseases Composition disease Composition disease Composition disease Composition diseases Composition disease Composition diseases Composition disease Composition disease Composition disease Composition disease Composition disease Composition diseases Composition disease Composition diseas	superimposed of 10:1) WITH DECR osis. Ind starvation. e. ecreased urea sy (urea rather than imonemias (urea of inappropiate a 10:1) WITH INCR app (accelerates releases muscle who develop re osis (acetoacetat icreased BUN/cr rapy (interferes <u>JLAR FILTERATIO</u> Nor <u>Nor</u> <u>Nor</u> <u>Mod</u>	on renal disease. EASED BUN : In creatinine diffuses of a is virtually absent in antidiuretic harmone) EASED CREATININE: conversion of creatine creatinine). nal failure. e causes false increase eatinine ratio). with creatinine measu NRATE: DESCRIPTION mal kidney function dney damage with ormal or high GFR ild decrease in GFR	out of extrac blood). due to tubu e to creatinir e in creatini rement).	ellular fluid). lar secretion of urea ne). ne with certain met <u>hL/min/1.73m2) >90 >90 60 -89</u>	a. hodologies, ASSOCIA No p Presend	TED FINDINGS proteinuria ce of Protein ,	<u>. </u>	ıen dehydra





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	Dr. Vinay Chopra MD (Pathology & Microbiology Chairman & Consultant Pathole		(Pathology)
NAME	: Mrs. SUKRITI		
AGE/ GENDER	: 33 YRS/FEMALE	PATIENT ID	: 1750824
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012502090033
REFERRED BY	:	REGISTRATION DATE	: 09/Feb/2025 11:06 AM
BARCODE NO.	: 01525212	COLLECTION DATE	:09/Feb/202511:12AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPORTING DATE	:09/Feb/2025 12:17PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMBALA CAN	ITT	
Test Name	Value	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



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TITRE

TITRE

1:160

1:160

		Chopra y & Microbiology) consultant Pathologist	Dr. Yugam MD (CEO & Consultant	(Pathology)
NAME	: Mrs. SUKRITI			
AGE/ GENDER	: 33 YRS/FEMALE	PAT	IENT ID	: 1750824
COLLECTED BY	: SURJESH	REG.	NO./LAB NO.	: 012502090033
REFERRED BY	:	REG	ISTRATION DATE	: 09/Feb/2025 11:06 AM
BARCODE NO.	:01525212	COLL	LECTION DATE	: 09/Feb/2025 11:12AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REP	ORTING DATE	: 09/Feb/2025 12:38PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROA	D, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interva
	IM	IMUNOPATHOLO	GY/SEROLOGY	
	W	IDAL SLIDE AGGLU	TINATION TEST	
SALMONELLA TYP by SLIDE AGGLUTINA		NIL	TITRE	1:80
SALMONELLA TYP		NIL	TITRE	1:160

SALMONELLA PARATYPHI BH by SLIDE AGGLUTINATION

by SLIDE AGGLUTINATION

SALMONELLA PARATYPHI AH

INTERPRETATION:

1. Titres of 1:80 or more for "O" agglutinin is considered significant. 2. Titres of 1:160 or more for "H" agglutinin is considered significant.

LIMITATIONS:

1.Agglutinins usually appear by 5th to 6th day of illness of enteric fever, hence a negative result in early stage is inconclusive. The titre then rises till 3rd or 4th week, after which it declines gradually.

NIL

NIL

2.Lower titres may be found in normal individuals.

3.A single positive result has less significance than the rising agglutination titre, since demonstration of rising titre four or more in 1st and 3rd week is considered as a definite evidence of infection.

4.A simultaneous rise in H agglutinins is suggestive of paratyphoid infection.

NOTE:

1. Individuals with prior infection or immunization with TAB vaccine may develop an ANAMNESTIC RESPONSE (False-Positive) during an unrelated fever i.e High titres of antibodies to various antigens. This may be differentiated by repitition of the test after a week.

2. The anamnestic response shows only a transient rise, while in enteric fever rise is sustained.

3.H agglutinins tend to persist for many months after vaccination but O agglutinins tend to disappear sooner i.e within 6 months. Therefore rise in Oagglutinins indicate recent infection.





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT





	MD (Pathology & N	Dr. Vinay Chopra MD (Pathology & Microbiology) Chairman & Consultant Pathologist		Chopra (Pathology) Pathologist	
IAME	: Mrs. SUKRITI				
AGE/ GENDER	: 33 YRS/FEMALE]	PATIENT ID	: 1750824	
COLLECTED BY	: SURJESH]	REG. NO./LAB NO.	: 012502090033	
REFERRED BY	:]	REGISTRATION DATE	: 09/Feb/2025 11:06 AM	
BARCODE NO.	: 01525212		COLLECTION DATE	:09/Feb/202511:12AM	
CLIENT CODE.	: KOS DIAGNOSTIC LAB]	REPORTING DATE	: 09/Feb/2025 12:32PM	
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	MBALA CANTT			
Test Name		Value	Unit	Biological Reference	interval
		VITA	AMINS		
	VITAM	IIN D/25 HY	DROXY VITAMIN D3		
	(DROXY VITAMIN D3): SERUM iescence immunoassay)	24.008 ^L	ng/mL	DEFICIENCY: < 20.0 INSUFFICIENCY: 20. SUFFICIENCY: 30.0 - TOXICITY: > 100.0	
NTERPRETATION:				<u></u>	
	ICIENT: FICIENT:	< 20 21 - 29		/mL /mL	
	ED RANGE:	30 - 100		/mL	
	ICATION:	> 100		/mL	
issue and tightly bo 3. Vitamin D plays a p bosphate reabsoro 4. Severe deficiency r DECREASED: 1. Lack of sunshine ey 2. Inadequate intake 3. Depressed Hepatic 4. Secondary to advaid 5. Osteoporosis and S 5. Enzyme Inducing d NCREASED: 1. Hypervitaminosis I Severe hypercalcemic CAUTION: Replacement (Not content of the second (Not content of	, malabsorption (celiac disease) : Vitamin D 25- hvdroxylase activity nced Liver disease Secondary Hyperparathroidism (Mi lrugs: anti-epileptic drugs like phen D is Rare, and is seen only after pro a and hyperphophatemia. ent therapy in deficient individuals <i>individuals as compare to whites, is</i>	i circulation. calcium homeos alcium mobilizat ewly formed oste ld to Moderate o ytoin, phenobar olonged exposure must be monitor	statis. It promotes calcium ion, mainly regulated by p eoid in bone, resulting in ri deficiency) bital and carbamazepine, t e to extremely high doses o red by periodic assessment	absorption, renal calcium absorp arathyroid harmone (PTH). ckets in children and osteomalacia hat increases Vitamin D metabolis of Vitamin D. When it occurs, it can c of Vitamin D levels in order to pre	tion and i in adults. m. n result in event
		* End Of Re			

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DR.VINAY CHOPRA CONSULTANT PATHOLOGIST

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