

ACROFEMI HEALTHCARE LTD (MEDIWHEEL) F-703, LADO SARAI, MEHRAULI SOUTH WEST DELHI

NEW DELHI 110030 DELHI INDIA 8800465156

SRL Ltd

PLOT NO.160, POCKET D-11 SECTOR 8, ROHINI

NEW DELHI, 110085 NEW DELHI, INDIA Tel: 9111591115,

CIN - U74899PB1995PLC045956 Email: customercare.pitampura@srl.in

PATIENT ID: **PATIENT NAME: SANJAY KUMAR** SANJM04018662

ACCESSION NO: 0062VG000481 AGE: 36 Years SEX: Male ABHA NO:

RECEIVED: 15-07-2022 11:13 REPORTED: 18-07-2022 13:56 DRAWN:

REFERRING DOCTOR: SELF CLIENT PATIENT ID:

Test Report Status <u>Final</u> Results **Biological Reference Interval Units**

MEDI WHEEL FULL BODY HEALTH CHECK UP BELOW 40 MALE

BLOOD COUNTS, EDTA WHOLE B	BLOOD
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HEMOGLOBIN	14.6		13.0 - 17.0	g/dL
RED BLOOD CELL COUNT	4.59		4.5 - 5.5	mil/μL
WHITE BLOOD CELL COUNT	6.18		4.0 - 10.0	thou/µL
PLATELET COUNT	155		150 - 410	thou/µL
RBC AND PLATELET INDICES				
HEMATOCRIT	45.2		40 - 50	%
MEAN CORPUSCULAR VOL	98.5		83 - 101	fL
MEAN CORPUSCULAR HGB.	31.9		27.0 - 32.0	pg
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION	32.3		31.5 - 34.5	g/dL
MENTZER INDEX	21.5			
RED CELL DISTRIBUTION WIDTH	15.4	High	11.6 - 14.0	%
MEAN PLATELET VOLUME	14.4	High	6.8 - 10.9	fL
WBC DIFFERENTIAL COUNT - NLR				
SEGMENTED NEUTROPHILS	59		40 - 80	%
ABSOLUTE NEUTROPHIL COUNT	3.65		2.0 - 7.0	thou/µL
LYMPHOCYTES	34		20 - 40	%
ABSOLUTE LYMPHOCYTE COUNT	2.10		1 - 3	thou/µL
NEUTROPHIL LYMPHOCYTE RATIO (NLR)	1.7			
EOSINOPHILS	1		1 - 6	%
ABSOLUTE EOSINOPHIL COUNT	0.06		0.02 - 0.50	thou/µL
MONOCYTES	6		2 - 10	%
ABSOLUTE MONOCYTE COUNT	0.37		0.20 - 1.00	thou/µL
BASOPHILS	0		0 - 2	%
ABSOLUTE BASOPHIL COUNT	0	Low	0.02 - 0.10	thou/µL
DIFFERENTIAL COUNT PERFORMED ON:	EDTA SMEAR			

METHOD: AUTOMATED ANALYZER / MICROSCOPY

DISCLAIMER: THE ABSOLUTE WHITE CELL COUNTS ARE OUTSIDE THE NABL ACCREDITED SCOPE OF THE LABORATORY.

ERYTHRO SEDIMENTATION RATE, BLOOD

0 - 14 SEDIMENTATION RATE (ESR) 14 mm at 1 hr

METHOD: MODIFIED WESTERGREN







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Test Report Status	<u>Final</u>	Results	Biological Reference Inter	val Units
GLUCOSE, FASTING,	PLASMA			
GLUCOSE, FASTING, P		88	74 - 106	mg/dL
METHOD : SPECTROPHOTO	METRY			
Comments				
GLYCOSYLATED HEM	IOGLOBIN, EDTA W	HOLE BLOOD		
GLYCOSYLATED HEMO	GLOBIN (HBA1C)	5.3	Non-diabetic: < 5.7 Pre-diabetics: 5.7 - 6.4 Diabetics: > or = 6.5 ADA Target: 7.0 Action suggested: > 8.0	%
MEAN PLASMA GLUCO	SE	105.4	< 116.0	mg/dL
GLUCOSE, POST-PRA	ANDIAL, PLASMA			
GLUCOSE, POST-PRAN	DIAL, PLASMA	99	70 - 140	mg/dL
METHOD : SPECTROPHOTO	METRY			
CORONARY RISK PR	OFILE (LIPID PRO	FILE), SERUM.		
CHOLESTEROL		166	< 200 Desirable 200 - 239 Borderline High >/= 240 High	mg/dL
METHOD : SPECTROPHOTO	METRY		· , = .0g	
TRIGLYCERIDES METHOD: SPECTROPHOTOI	MFTRY	112	< 150 Normal 150 - 199 Borderline High 200 - 499 High >/=500 Very High	mg/dL
HDL CHOLESTEROL	TIETK!	47	< 40 Low	mg/dL
TIDE CHOLESTEROE		.,	>/=60 High	mg/ aL
METHOD : SPECTROPHOTO	METRY			
DIRECT LDL CHOLEST	EROL	95	< 100 Optimal 100 - 129 Near or above opti 130 - 159 Borderline High 160 - 189 High >/= 190 Very High	mg/dL mal
METHOD : SPECTROPHOTO	METRY		, -	
NON HDL CHOLESTER		119	Desirable-Less than 130 Above Desirable-130-159 Borderline High-160-189 High-190-219 Very High- >or =220	mg/dL
METHOD : CALCULATED PAR	KAMETER			





Page 2 Of 15



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CHOL/HDL RATIO 3.5 3.3 - 4.4 Low Risk 4.5 - 7.0 Average Risk 7.1 - 11.0 Middlerate Risk 2.1 - 11.0 Middlerate risk 2.0 2.0 2.1 - 2.0 2.0 2.0 Middlerate Risk 2.1 - 2.0 2.0 Middlerate Risk 2.1 - 2.0 Middlerate Risk 2.1	Test Report Status <u>Final</u>	Results		Biological Reference Interva	al Units
CDU/HDL RATIO 2.0 2.0 2.3 2.6 2.6 2.1		3.5		4.5 - 7.0 Average Risk 7.1 - 11.0 Moderate Risk	
Second S		2.0			
METHOD: CALCULATED PARAMETER LIVER FUNCTION PROFILE, SERUM BILIRUBIN, TOTAL 0.81 Upto 1.2 mg/dL METHOD: SPECTROPHOTOMETRY 0.20 Upto 0.2 mg/dL BILIRUBIN, INDIRECT 0.61 High 0.00 - 0.60 mg/dL METHOD: CALCULATED PARAMETER 7.4 6.4 - 8.3 g/dL METHOD: SPECTROPHOTOMETRY 4.8 3.70 - 4.94 g/dL METHOD: SPECTROPHOTOMETRY 2.6 2.0 - 4.0 g/dL METHOD: CALCULATED PARAMETER 1.9 1.0 - 2.0 RATIO METHOD: CALCULATED PARAMETER 2.6 2.0 - 4.0 U/L ALBUMIN/GLOBULIN RATIO 1.9 0 - 4.0 U/L METHOD: SPECTROPHOTOMETRY 2 0 - 40 U/L METHOD: SPECTROPHOTOMETRY 22 0 - 41 U/L METHOD: SPECTROPHOTOMETRY 17 8 - 61 U/L METHOD: SPECTROPHOTOMETRY 2 40 - 129 U/L METHOD: SPECTROPHOTOMETRY 2 5 - 4 40 - 129 U/L MET	VERY LOW DENCITY LIDORDOTEIN	22.4		>6.0 High Risk	
Note		22.4		- 30</td <td>mg/uL</td>	mg/uL
BILIRUBIN, TOTAL Display Displ					
METHOD: SPECTROPHOTOMETRY BILIRUBIN, DIRECT METHOD: SPECTROPHOTOMETRY BILIRUBIN, INDIRECT METHOD: SPECTROPHOTOMETRY BILIRUBIN, INDIRECT METHOD: CALCULATED PARAMETER TOTAL PROTEIN METHOD: SPECTROPHOTOMETRY ALBUMIN METHOD: SPECTROPHOTOMETRY ALBUMIN METHOD: SPECTROPHOTOMETRY GLOBULIN METHOD: SPECTROPHOTOMETRY ALBUMIN/GLOBULIN RATIO METHOD: CALCULATED PARAMETER ASPARTATE AMINOTRANSFERASE (AST/SGOT) METHOD: SPECTROPHOTOMETRY ALANINE AMINOTRANSFERASE (ALT/SGPT) METHOD: SPECTROPHOTOMETRY ALANINE AMINOTRANSFERASE (AST/SGOT) ALANINE AMINOTRANSFERASE (AST/SGOT) ALANINE AMINOTRANSFERASE (AST/SGOT) METHOD: SPECTROPHOTOMETRY ALANINE AMINOTRANSFERASE (AST/SGOT) ALANINE AMINOTRANSFERASE (AST/SGOT) METHOD: SPECTROPHOTOMETRY ALANINE AMINOTRANSFERASE (AST/SGOT) METHOD: SPECTROPHOTOMETRY ALKALINE PHOSPHATASE METHOD: SPECTROPHOTOMETRY ALKALINE PHOSPHATASE METHOD: SPECTROPHOTOMETRY ALKALINE PHOSPHATASE METHOD: SPECTROPHOTOMETRY LACTATE DEHYDROGENASE METHOD: SPECTROPHOTOMETRY BERUMB BLOOD UREA NITROGEN 12 6 - 20 mg/dL mg/dL	•	0.81		Unto 1.2	ma/dl
METHOD : SPECTROPHOTOMETRY 0.61 High 0.00 - 0.60 mg/dL BILIRUBIN, INDIRECT 7.4 6.4 - 8.3 g/dL METHOD : SPECTROPHOTOMETRY 7.4 6.4 - 8.3 g/dL METHOD : SPECTROPHOTOMETRY 4.8 3.70 - 4.94 g/dL ALBUMIN 2.6 2.0 - 4.0 g/dL METHOD : SPECTROPHOTOMETRY 2.6 2.0 - 4.0 g/dL METHOD : CALCULATED PARAMETER 3.70 - 2.0 RATIO METHOD : CALCULATED PARAMETER 3.9 1.0 - 2.0 RATIO METHOD : CALCULATED PARAMETER 2.0 4.0 U/L ASPARTATE AMINOTRANSFERASE (AST/SGOT) 2.1 0 - 40 U/L METHOD : SPECTROPHOTOMETRY 2.2 0 - 41 U/L ALKALINE PHOSPHATASE 117 40 - 129 U/L METHOD : SPECTROPHOTOMETRY 17 8 - 61 U/L METHOD : SPECTROPHOTOMETRY 2.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1	•	0.01		op. 6 - 1	9, ==
BILIRUBIN, INDIRECT METHOD: CALCULATED PARAMETER TOTAL PROTEIN METHOD: SPECTROPHOTOMETRY ALBUMIN ALBUMIN ALBUMIN METHOD: SPECTROPHOTOMETRY ALBUMIN METHOD: SPECTROPHOTOMETRY GLOBULIN METHOD: CALCULATED PARAMETER ALBUMIN/GLOBULIN RATIO METHOD: CALCULATED PARAMETER ALBUMIN/GLOBULIN RATIO METHOD: CALCULATED PARAMETER ASPARTATE AMINOTRANSFERASE (AST/SGOT) METHOD: SPECTROPHOTOMETRY ALANINE AMINOTRANSFERASE (ALT/SGPT) METHOD: SPECTROPHOTOMETRY ALANINE AMINOTRANSFERASE (ALT/SGPT) METHOD: SPECTROPHOTOMETRY ALKALINE PHOSPHATASE METHOD: SPECTROPHOTOMETRY ALKALINE PHOSPHATASE METHOD: SPECTROPHOTOMETRY ALKALINE PHOSPHATASE METHOD: SPECTROPHOTOMETRY BAMMA GLUTAMYL TRANSFERASE (GGT) METHOD: SPECTROPHOTOMETRY LACTATE DEHYDROGENASE METHOD: SPECTROPHOTOMETRY BERUMB BLOOD UREA NITROGEN 12 6 - 20 mg/dL MG/dL	BILIRUBIN, DIRECT	0.20		Upto 0.2	mg/dL
METHOD : CALCULATED PARAMETER TOTAL PROTEIN 7.4 6.4 - 8.3 g/dL METHOD : SPECTROPHOTOMETRY ALBUMIN 4.8 3.70 - 4.94 g/dL METHOD : SPECTROPHOTOMETRY GLOBULIN 2.6 2.0 4.0 g/dL METHOD : CALCULATED PARAMETER ALBUMIN/GLOBULIN RATIO 1.9 1.0 - 2.0 RATIO METHOD : CALCULATED PARAMETER ASPARTATE AMINOTRANSFERASE (AST/SGOT) 21 0 - 40 U/L METHOD : SPECTROPHOTOMETRY ALANINE AMINOTRANSFERASE (ALT/SGPT) 22 0 0 - 41 U/L METHOD : SPECTROPHOTOMETRY ALKALINE PHOSPHATASE 117 40 - 129 U/L METHOD : SPECTROPHOTOMETRY ALKALINE PHOSPHATASE (GGT) 17 8 - 61 U/L METHOD : SPECTROPHOTOMETRY LACTATE DEHYDROGENASE 252 High 135 - 225 U/L METHOD : SPECTROPHOTOMETRY SERUM BLOOD UREA NITROGEN 12 6 - 20 mg/dL	METHOD: SPECTROPHOTOMETRY				
TOTAL PROTEIN METHOD: SPECTROPHOTOMETRY ALBUMIN ALBUMIN/GLOBULIN RATIO ALBUMIN/GLOBUL	BILIRUBIN, INDIRECT	0.61	High	0.00 - 0.60	mg/dL
METHOD: SPECTROPHOTOMETRY ALBUMIN	METHOD: CALCULATED PARAMETER				
ALBUMIN METHOD: SPECTROPHOTOMETRY GLOBULIN ALBUMIN/GLOBULIN RATIO ALBUMIN/GLOBULIN RATIO METHOD: CALCULATED PARAMETER ALBUMIN/GLOBULIN RATIO METHOD: CALCULATED PARAMETER ASPARTATE AMINOTRANSFERASE (AST/SGOT) METHOD: SPECTROPHOTOMETRY ALANINE AMINOTRANSFERASE (ALT/SGPT) METHOD: SPECTROPHOTOMETRY ALKALINE PHOSPHATASE METHOD: SPECTROPHOTOMETRY GAMMA GLUTAMYL TRANSFERASE (GGT) METHOD: SPECTROPHOTOMETRY LACTATE DEHYDROGENASE METHOD: SPECTROPHOTOMETRY LACTATE DEHYDROGENASE METHOD: SPECTROPHOTOMETRY BLOOD UREA NITROGEN BLOOD UREA NITROGEN 12 A.S. 3.70 - 4.94 9/dL 9/dL AVA 4.0 - 2.0 AVA 4.0 - 4.0 U/L 4.0 - 1.29 U/	TOTAL PROTEIN	7.4		6.4 - 8.3	g/dL
METHOD: SPECTROPHOTOMETRY GLOBULIN METHOD: CALCULATED PARAMETER ALBUMIN/GLOBULIN RATIO METHOD: CALCULATED PARAMETER ASPARTATE AMINOTRANSFERASE (AST/SGOT) METHOD: SPECTROPHOTOMETRY ALANINE AMINOTRANSFERASE (ALT/SGPT) METHOD: SPECTROPHOTOMETRY ALKALINE PHOSPHATASE METHOD: SPECTROPHOTOMETRY GAMMA GLUTAMYL TRANSFERASE (GGT) METHOD: SPECTROPHOTOMETRY LACTATE DEHYDROGENASE METHOD: SPECTROPHOTOMETRY LACTATE DEHYDROGENASE METHOD: SPECTROPHOTOMETRY BLOOD UREA NITROGEN 12 6 - 20 mg/dL					
GLOBULIN METHOD: CALCULATED PARAMETER ALBUMIN/GLOBULIN RATIO METHOD: CALCULATED PARAMETER ASPARTATE AMINOTRANSFERASE (AST/SGOT) METHOD: SPECTROPHOTOMETRY ALANINE AMINOTRANSFERASE (ALT/SGPT) METHOD: SPECTROPHOTOMETRY ALKALINE PHOSPHATASE ALKALINE PHOSPHATASE GAMMA GLUTAMYL TRANSFERASE (GGT) METHOD: SPECTROPHOTOMETRY LACTATE DEHYDROGENASE METHOD: SPECTROPHOTOMETRY BASERUM BLOOD UREA NITROGEN 12 2.6 2.0 4.0 4.0 4.0 4.0 4.0 4.0 4.0		4.8		3.70 - 4.94	g/dL
METHOD : CALCULATED PARAMETER ALBUMIN/GLOBULIN RATIO METHOD : CALCULATED PARAMETER ASPARTATE AMINOTRANSFERASE (AST/SGOT) METHOD : SPECTROPHOTOMETRY ALANINE AMINOTRANSFERASE (ALT/SGPT) METHOD : SPECTROPHOTOMETRY ALKALINE PHOSPHATASE METHOD : SPECTROPHOTOMETRY GAMMA GLUTAMYL TRANSFERASE (GGT) METHOD : SPECTROPHOTOMETRY LACTATE DEHYDROGENASE METHOD : SPECTROPHOTOMETRY BERUM BLOOD UREA NITROGEN 12 6 - 20 mg/dL		2.6			
ALBUMIN/GLOBULIN RATIO METHOD: CALCULATED PARAMETER ASPARTATE AMINOTRANSFERASE (AST/SGOT) METHOD: SPECTROPHOTOMETRY ALANINE AMINOTRANSFERASE (ALT/SGPT) METHOD: SPECTROPHOTOMETRY ALKALINE PHOSPHATASE ALKALINE PHOSPHATASE METHOD: SPECTROPHOTOMETRY GAMMA GLUTAMYL TRANSFERASE (GGT) METHOD: SPECTROPHOTOMETRY LACTATE DEHYDROGENASE METHOD: SPECTROPHOTOMETRY SERUM BLOOD UREA NITROGEN 12 12 10 1.0 2.0 0 0 40 0 40 12 0 40 129 U/L 40 129 U/L 8 6 10 U/L 135 225 Migh 135 225 Migh 135 Migh 235 Migh 2		2.6		2.0 - 4.0	g/aL
METHOD: CALCULATED PARAMETER ASPARTATE AMINOTRANSFERASE (AST/SGOT) 21 0 - 40 U/L METHOD: SPECTROPHOTOMETRY ALANINE AMINOTRANSFERASE (ALT/SGPT) 22 0 - 41 U/L METHOD: SPECTROPHOTOMETRY ALKALINE PHOSPHATASE 117 40 - 129 U/L METHOD: SPECTROPHOTOMETRY GAMMA GLUTAMYL TRANSFERASE (GGT) 17 8 - 61 U/L METHOD: SPECTROPHOTOMETRY LACTATE DEHYDROGENASE 252 High 135 - 225 U/L METHOD: SPECTROPHOTOMETRY SERUM BLOOD UREA NITROGEN BLOOD UREA NITROGEN 12 6 - 20 mg/dL		1.0		1.0 - 2.0	DATIO
ASPARTATE AMINOTRANSFERASE (AST/SGOT) METHOD: SPECTROPHOTOMETRY ALANINE AMINOTRANSFERASE (ALT/SGPT) ALKALINE PHOSPHATASE ALKALINE PHOSPHATASE METHOD: SPECTROPHOTOMETRY ALKALINE PHOSPHATASE METHOD: SPECTROPHOTOMETRY GAMMA GLUTAMYL TRANSFERASE (GGT) METHOD: SPECTROPHOTOMETRY LACTATE DEHYDROGENASE METHOD: SPECTROPHOTOMETRY SERUM BLOOD UREA NITROGEN 12 0 - 40 0 - 41 U/L 40 - 129 U/L 8 - 61 U/L 135 - 225 U/L method: SPECTROPHOTOMETRY SERUM BLOOD UREA NITROGEN 12 6 - 20 mg/dL		1.9		1.0 - 2.0	RATIO
METHOD: SPECTROPHOTOMETRY ALANINE AMINOTRANSFERASE (ALT/SGPT) METHOD: SPECTROPHOTOMETRY ALKALINE PHOSPHATASE ALKALINE PHOSPHATASE BETT SPECTROPHOTOMETRY ALKALINE PHOSPHATASE ALKALINE PHOSPHATASE BETT SPECTROPHOTOMETRY IT A 40 - 129 U/L METHOD: SPECTROPHOTOMETRY LACTATE DEHYDROGENASE ALKALINE PHOSPHATASE BETT SPECTROPHOTOMETRY LACTATE DEHYDROGENASE BETT SPECTROPHOTOMETRY SERUM BLOOD UREA NITROGEN 12 6 - 20 mg/dL		21		0 - 40	U/L
METHOD: SPECTROPHOTOMETRY ALKALINE PHOSPHATASE 117 40 - 129 U/L METHOD: SPECTROPHOTOMETRY GAMMA GLUTAMYL TRANSFERASE (GGT) 17 8 - 61 U/L METHOD: SPECTROPHOTOMETRY LACTATE DEHYDROGENASE 252 High 135 - 225 U/L METHOD: SPECTROPHOTOMETRY SERUM BLOOD UREA NITROGEN 12 6 - 20 mg/dL					-, -
ALKALINE PHOSPHATASE METHOD: SPECTROPHOTOMETRY GAMMA GLUTAMYL TRANSFERASE (GGT) METHOD: SPECTROPHOTOMETRY LACTATE DEHYDROGENASE METHOD: SPECTROPHOTOMETRY SERUM BLOOD UREA NITROGEN 12 40 - 129 U/L 8 - 61 U/L 135 - 225 U/L 6 - 20 mg/dL	ALANINE AMINOTRANSFERASE (ALT/SGPT)	22		0 - 41	U/L
METHOD: SPECTROPHOTOMETRY GAMMA GLUTAMYL TRANSFERASE (GGT) 17 8 - 61 U/L METHOD: SPECTROPHOTOMETRY LACTATE DEHYDROGENASE 252 High 135 - 225 U/L METHOD: SPECTROPHOTOMETRY SERUM BLOOD UREA NITROGEN 12 6 - 20 mg/dL	METHOD : SPECTROPHOTOMETRY				
GAMMA GLUTAMYL TRANSFERASE (GGT) 17 8 - 61 U/L METHOD: SPECTROPHOTOMETRY LACTATE DEHYDROGENASE 252 High 135 - 225 U/L METHOD: SPECTROPHOTOMETRY SERUM BLOOD UREA NITROGEN 12 6 - 20 mg/dL		117		40 - 129	U/L
METHOD: SPECTROPHOTOMETRY LACTATE DEHYDROGENASE METHOD: SPECTROPHOTOMETRY SERUM BLOOD UREA NITROGEN 12 6 - 20 mg/dL		17		0 61	117
LACTATE DEHYDROGENASE METHOD: SPECTROPHOTOMETRY SERUM BLOOD UREA NITROGEN 12 6 - 20 mg/dL	` ,	17		8 - 61	U/L
METHOD : SPECTROPHOTOMETRY SERUM BLOOD UREA NITROGEN 12 6 - 20 mg/dL		252	Hiah	135 - 225	11/1
SERUM BLOOD UREA NITROGENBLOOD UREA NITROGEN126 - 20mg/dL		252		133 223	0/ L
BLOOD UREA NITROGEN 12 6 - 20 mg/dL					
3,		12		6 - 20	mg/dL
					<i>J.</i>



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CREATININE, SERUM				
CREATININE	1.09		0.7 - 1.2	mg/dL
METHOD: SPECTROPHOTOMETRY				
BUN/CREAT RATIO				
BUN/CREAT RATIO	11.01		5.00 - 15.00	
METHOD: CALCULATED PARAMETER				
URIC ACID, SERUM				
URIC ACID	6.8		3.4 - 7.0	mg/dL
METHOD : SPECTROPHOTOMETRY				
TOTAL PROTEIN, SERUM				
TOTAL PROTEIN	7.4		6.4 - 8.3	g/dL
METHOD: SPECTROPHOTOMETRY				
ALBUMIN, SERUM				
ALBUMIN	4.8		3.97 - 4.94	g/dL
METHOD: SPECTROPHOTOMETRY				
GLOBULIN				
GLOBULIN	2.6		2.0 - 4.0	g/dL
METHOD: CALCULATED PARAMETER				
ELECTROLYTES (NA/K/CL), SERUM				
SODIUM	144		136 - 145	mmol/L
METHOD: SPECTROPHOTOMETRY				
POTASSIUM	4.91		3.3 - 5.1	mmol/L
METHOD : SPECTROPHOTOMETRY				
CHLORIDE	108	High	98 - 106	mmol/L
METHOD : SPECTROPHOTOMETRY				
PHYSICAL EXAMINATION, URINE				
COLOR	PALE YELLOW			
METHOD: MACROSCOPY				
APPEARANCE	Clear			
METHOD: VISUAL EXAMINATION				
SPECIFIC GRAVITY	1.025		1.003 - 1.035	
METHOD: PKA CHANGE WITH REFLECTANCE, SPECTROI	PHOTOMETRY			
CHEMICAL EXAMINATION, URINE				
PH	6.0		4.7 - 7.5	
METHOD: PH INDICATOR AND REFLECTANCE, SPECTRO	OPHOTOMETRY			







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DDOTEIN		DETECTED (TDACE)	NOT DETECTED	
PROTEIN METHOD : PROTEIN ERROR	OF INDICATORS WITH REFLECTANG	DETECTED (TRACE)	NOT DETECTED	
GLUCOSE	OF INDICATORS WITH REFERENCE	NOT DETECTED	NOT DETECTED	
	SE WITH REFLECTANCE, SPECTROP		NOT BETEGIES	
KETONES	DE WITH REFEEDWARDE, ST. 2011101	NOT DETECTED	NOT DETECTED	
	H REFLECTANCE, SPECTROPHOTOMI			
BLOOD		NOT DETECTED	NOT DETECTED	
	THOD WITH REFLECTANCE, SPECTR			
BILIRUBIN		NOT DETECTED	NOT DETECTED	
METHOD : DIAZOTIZED WI	TH REFLECTANCE, SPECTROPHOTON	METRY		
UROBILINOGEN		NORMAL	NORMAL	
METHOD : EHRLICH REACTI	ON WITH REFLECTANCE, SPECTROF	PHOTOMETRY		
NITRITE		NOT DETECTED	NOT DETECTED	
METHOD : DIAZONIUM COM	1POUND WITH REFLECTANCE, SPEC	TROPHOTOMETRY		
LEUKOCYTE ESTERASE		NOT DETECTED	NOT DETECTED	
MICROSCOPIC EXAM	IINATION, URINE			
PUS CELL (WBC'S)		2-3	0-5	/HPF
METHOD : ESTERASES MET	HOD WITH REFLECTANCE, SPECTRO	DPHOTOMETRY		
EPITHELIAL CELLS		1-2	0-5	/HPF
METHOD : MICROSCOPY				
ERYTHROCYTES (RBC"	S)	NOT DETECTED	NOT DETECTED	/HPF
METHOD : MICROSCOPY				
CASTS		NOT DETECTED		
METHOD : MICROSCOPY				
CRYSTALS		NOT DETECTED		
METHOD : MICROSCOPY				
BACTERIA		NOT DETECTED	NOT DETECTED	
METHOD: MICROSCOPY				
YEAST		NOT DETECTED	NOT DETECTED	
REMARKS				
		NOTE:-MICROSCOPIC EX CENTRIFUGED	KAMINATION OF URINE PERFORME	ED BY

URINARY SEDIMENT.

THYROID PANEL, SERUM

ng/dL Т3 97.6 80.00 - 200.00

METHOD: ELECTROCHEMILUMINESCENCE







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SRL Ltd

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NEW DELHI, 110085 NEW DELHI, INDIA Tel: 9111591115,

CIN - U74899PB1995PLC045956 Email: customercare.pitampura@srl.in

PATIENT ID: **PATIENT NAME: SANJAY KUMAR** SANJM04018662

ACCESSION NO: 0062VG000481 AGE: 36 Years SEX: Male ABHA NO:

RECEIVED: 15-07-2022 11:13 REPORTED: 18-07-2022 13:56 DRAWN:

CLIENT PATIENT ID: **REFERRING DOCTOR: SELF**

REFERRING DOCTOR: SELF		CLIENT PATIENT ID :			
Test Report Status <u>Final</u>	Results	Biological Reference Interva	al Units		
T4	6.62	F 10 14 10	/		
T4 METHOD: ELECTROCHEMILUMINESCENCE	6.62	5.10 - 14.10	μg/dL		
TSH 3RD GENERATION	6.060 High	1 0.270 - 4.200	μIU/mL		
STOOL: OVA & PARASITE		0.2. 0200	μ-0,		
COLOUR	BROWN				
CONSISTENCY	LIQUID				
ODOUR	FAECAL				
MUCUS	ABSENT	NOT DETECTED			
VISIBLE BLOOD	ABSENT	ABSENT			
POLYMORPHONUCLEAR LEUKOCYTES	10-15		/HPF		
RED BLOOD CELLS	NOT DETECTED	NOT DETECTED	/HPF		
MACROPHAGES	NOT DETECTED	NOT DETECTED			
CHARCOT-LEYDEN CRYSTALS	NOT DETECTED	NOT DETECTED			
TROPHOZOITES	NOT DETECTED	NOT DETECTED			
CYSTS	NOT DETECTED	NOT DETECTED			
OVA	NOT DETECTED				
LARVAE	NOT DETECTED	NOT DETECTED			
ADULT PARASITE	NOT DETECTED				
ABO GROUP & RH TYPE, EDTA WHOLE BLOOD					
ABO GROUP	TYPE B				
METHOD: MANUAL					
RH TYPE	POSITIVE				
METHOD: MANUAL					
XRAY-CHEST					
» »	BOTH THE LUNG FIELDS ARE CLEAR				
» »	BOTH THE COSTOPHRENIC AND CARIOPHRENIC ANGELS ARE CLEAR				
»»	BOTH THE HILA ARE NORMAL				

CARDIAC AND AORTIC SHADOWS APPEAR NORMAL **»**» BOTH THE DOMES OF THE DIAPHRAM ARE NORMAL **>>**

VISUALIZED BONY THORAX IS NORMAL **»**»

IMPRESSION NORMAL

TMT OR ECHO

TMT OR ECHO **NEGATIVE**







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ECG

ECG WITHIN NORMAL LIMITS

MEDICAL HISTORY

RELEVANT PRESENT HISTORY PAIN ABD (RT MIDGASTRIC REGION) - 04-05 YRS; STIFFNESS NECK &

SHOULDERS (07 MONTHS)

RELEVANT PAST HISTORY NOT SIGNIFICANT

RELEVANT PERSONAL HISTORY MARRIED, 03 CHILD, NON VEG.
RELEVANT FAMILY HISTORY FATHER- KIDNEY FAILURE.

MOTHER- ASTHMA, TUBERCULOSIS.

OCCUPATIONAL HISTORY SPL. ASST. (BANKING)
HISTORY OF MEDICATIONS AYURVEDIC Rx - 3 MONTHS

ANTHROPOMETRIC DATA & BMI

HEIGHT IN METERS 1.75 mts
WEIGHT IN KGS. 83.55 Kgs

BMI & Weight Status as follows: kg/sqmts

Below 18.5: Underweight 18.5 - 24.9: Normal 25.0 - 29.9: Overweight 30.0 and Above: Obese

GENERAL EXAMINATION

MENTAL / EMOTIONAL STATE NORMAL PHYSICAL ATTITUDE NORMAL GENERAL APPEARANCE / NUTRITIONAL STATUS **HEALTHY BUILT / SKELETAL FRAMEWORK AVFRAGE** FACIAL APPEARANCE **NORMAL** SKIN **NORMAL** UPPER LIMB **NORMAL** LOWER LIMB NORMAL **NECK NORMAL**

NECK LYMPHATICS / SALIVARY GLANDS NOT ENLARGED OR TENDER

THYROID GLAND NOT ENLARGED

CAROTID PULSATION NORMAL BREAST (FOR FEMALES) NORMAL TEMPERATURE NORMAL

PULSE 72/MIN REGULAR, ALL PERIPHERAL PULSES WELL FELT, NO CAROTID

BRUIT



Page 7 Of 15



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RESPIRATORY RATE NORMAL

CARDIOVASCULAR SYSTEM

BP 131/77 MM HG mm/Hg

(SITTING) NORMAL

APEX BEAT NORMAL

HEART SOUNDS S1, S2 HEARD NORMALLY

MURMURS ABSENT

RESPIRATORY SYSTEM

SIZE AND SHAPE OF CHEST

MOVEMENTS OF CHEST

BREATH SOUNDS INTENSITY

NORMAL

BREATH SOUNDS QUALITY VESICULAR (NORMAL)

ADDED SOUNDS ABSENT

PER ABDOMEN

PERICARDIUM

APPEARANCE NORMAL VENOUS PROMINENCE ABSENT

LIVER NOT PALPABLE SPLEEN NOT PALPABLE

HERNIA ABSENT ANY OTHER COMMENTS NIL

CENTRAL NERVOUS SYSTEM

HIGHER FUNCTIONS NORMAL
CRANIAL NERVES NORMAL
CEREBELLAR FUNCTIONS NORMAL
SENSORY SYSTEM NORMAL
MOTOR SYSTEM NORMAL
REFLEXES NORMAL

MUSCULOSKELETAL SYSTEM

SPINE NORMAL JOINTS NORMAL

BASIC EYE EXAMINATION

CONJUNCTIVA NORMAL







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EYELIDS NORMAL EYE MOVEMENTS **NORMAL CORNEA NORMAL** DISTANT VISION RIGHT EYE WITHOUT GLASSES 6/6 DISTANT VISION LEFT EYE WITHOUT GLASSES 6/6 NEAR VISION RIGHT EYE WITHOUT GLASSES N/6 NEAR VISION LEFT EYE WITHOUT GLASSES N/6 COLOUR VISION **NORMAL**

BASIC ENT EXAMINATION

EXTERNAL EAR CANAL PRESENCE OF WAX

TYMPANIC MEMBRANE NORMAL

NOSE NO ABNORMALITY DETECTED

SINUSES NORMAL **THROAT** NORMAL

TONSILS NOT ENLARGED

BASIC DENTAL EXAMINATION

TEETH NORMAL **GUMS HEALTHY** ANY OTHER COMMENTS NIL

SUMMARY

RELEVANT HISTORY NOT SIGNIFICANT RELEVANT GP EXAMINATION FINDINGS NOT SIGNIFICANT

RELEVANT LAB INVESTIGATIONS WITHIN NORMAL LIMITS

RELEVANT NON PATHOLOGY DIAGNOSTICS NO ABNORMALITIES DETECTED

REMARKS / RECOMMENDATIONS SURG APL CONSULTATIONFOR? ABD HERNIA; EAR PROPHYLAXIS

FITNESS STATUS

FITNESS STATUS FIT (WITH MEDICAL ADVICE) (AS PER REQUESTED PANEL OF TESTS)

Interpretation(s)
BLOOD COUNTS,EDTA WHOLE BLOOD-

The cell morphology is well preserved for 24hrs. However after 24-48 hrs a progressive increase in MCV and HCT is observed leading to a decrease in MCHC. A direct smear is recommended for an accurate differential count and for examination of RBC morphology. RBC AND PLATELET INDICES-







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Mentzer index (MCV/RBC) is an automated cell-counter based calculated screen tool to differentiate cases of Iron deficiency anaemia(>13) from Beta thalassaemia trait (<13) in patients with microcytic anaemia. This needs to be interpreted in line with clinical correlation and suspicion. Estimation of HbA2 remains the gold standard for diagnosing a case of beta thalassaemia trait.

WBC DIFFERENTIAL COUNT - NLRThe optimal threshold of 3.3 for NLR showed a prognostic possibility of clinical symptoms to change from mild to severe in COVID positive patients. When age = 49.5 years old and NLR = 3.3, 46.1% COVID-19 patients with mild disease might become severe. By contrast, when age < 49.5 years old and NLR < 3.3, COVID-19 patients with mild disease might become severe.

(Reference to - The diagnostic and predictive role of NLR, d-NLR and PLR in COVID-19 patients; A.-P. Yang, et al.; International Immunopharmacology 84 (2020) 106504 This ratio element is a calculated parameter and out of NABL scope.

ERYTHRO SEDIMENTATION RATE, BLOOD-

ERYTHRO SEDIMENTATION RATE, BLOOD-Erythrocyte sedimentation rate (ESR) is a non - specific phenomena and is clinically useful in the diagnosis and monitoring of disorders associated with an increased production of acute phase reactants. The ESR is increased in pregnancy from about the 3rd month and returns to normal by the 4th week post partum. ESR is influenced by age, sex, menstrual cycle and drugs (eg. corticosteroids, contraceptives). It is especially low (0 -1mm) in polycythaemia, hypofibrinogenemia or congestive cardiac failure and when there are abnormalities of the red cells such as poikilocytosis, spherocytosis or sickle cells.

- 1. Nathan and Oski's Haematology of Infancy and Childhood, 5th edition
- 2. Paediatric reference intervals. AACC Press, 7th edition. Edited by S. Soldin
 3. The reference for the adult reference range is "Practical Haematology by Dacie and Lewis, 10th Edition"

GLUCOSE, FASTING, PLASMA-ADA 2021 guidelines for adults, after 8 hrs fasting is as follows:

Pre-diabetics: 100 - 125 mg/dL Diabetic: > or = 126 mg/dL

GLYCOSYLATED HEMOGLOBIN, EDTA WHOLE BLOOD-

Glycosylated hemoglobin (GHb) has been firmly established as an index of long-term blood glucose concentrations and as a measure of the risk for the development of complications in patients with diabetes mellitus. Formation of GHb is essentially irreversible, and the concentration in the blood depends on both the life span of the red blood cell (average 120 days) and the blood glucose concentration. Because the rate of formation of GHb is directly proportional to the concentration of glucose in the blood, the GHb concentration represents the integrated values for glucose over the preceding 6-8 weeks.

Any condition that alters the life span of the red blood cells has the potential to alter the GHb level. Samples from patients with hemolytic anemias will exhibit decreased

glycated hemoglobin values due to the shortened life span of the red cells. This effect will depend upon the severity of the anemia. Samples from patients with polycythemia or post-splenectomy may exhibit increased glycated hemoglobin values due to a somewhat longer life span of the red cells.

Glycosylated hemoglobins results from patients with HbSS, HbCC, and HbSC and HbD must be interpreted with caution, given the pathological processes, including anemia, increased red cell turnover, transfusion requirements, that adversely impact HbA1c as a marker of long-term glycemic control. In these conditions, alternative forms of testing such as glycated serum protein (fructosamine) should be considered.

"Targets should be individualized; More or less stringent glycemic goals may be appropriate for individual patients. Goals should be individualized based on duration of diabetes, age/life expectancy, comorbid conditions, known CVD or advanced microvascular complications, hypoglycemia unawareness, and individual patient

References

- Tietz Textbook of Clinical Chemistry and Molecular Diagnostics, edited by Carl A Burtis, Edward R.Ashwood, David E Bruns, 4th Edition, Elsevier publication, 2006, 879-884
- 2. Forsham PH. Diabetes Mellitus: A rational plan for management. Postgrad Med 1982, 71,139-154.
- 3. Mayer TK, Freedman ZR: Protein glycosylation in Diabetes Mellitus: A review of laboratory measurements and their clinical utility. Clin Chim Acta 1983, 127, 147-184. GLUCOSE, POST-PRANDIAL, PLASMA-ADA Guidelines for 2hr post prandial glucose levels is only after ingestion of 75grams of glucose in 300 ml water, over a period of 5 minutes.

CORONARY RISK PROFILE (LIPID PROFILE), SERUM-Serum cholesterol is a blood test that can provide valuable information for the risk of coronary artery disease This test can help determine your risk of the build up of plaques in your arteries that can lead to narrowed or blocked arteries throughout your body (atherosclerosis). High cholesterol levels usually don't cause any signs or symptoms, so a cholesterol test is an important tool. High cholesterol levels often are a significant risk factor for heart disease and important for diagnosis of hyperlipoproteinemia, atherosclerosis, hepatic and thyroid diseases.

Serum Triglyceride are a type of fat in the blood. When you eat, your body converts any calories it doesn"t need into triglycerides, which are stored in fat cells. High triglyceride levels are associated with several factors, including being overweight, eating too many sweets or drinking too much alcohol, smoking, being sedentary, or having diabetes with elevated blood sugar levels. Analysis has proven useful in the diagnosis and treatment of patients with diabetes mellitus, nephrosis, liver obstruction, other diseases involving lipid metabolism, and various endocrine disorders. In conjunction with high density lipoprotein and total serum cholesterol, a triglyceride determination provides valuable information for the assessment of coronary heart disease risk. It is done in fasting state.

High-density lipoprotein (HDL) cholesterol. This is sometimes called the ""good"" cholesterol because it helps carry away LDL cholesterol, thus keeping arteries open and blood flowing more freely.HDL cholesterol is inversely related to the risk for cardiovascular disease. It increases following regular exercise, moderate alcohol consumption and with oral estrogen therapy. Decreased levels are associated with obesity, stress, cigarette smoking and diabetes mellitus.

SERUM LDL The small dense LDL test can be used to determine cardiovascular risk in individuals with metabolic syndrome or established/progressing coronary artery disease, individuals with triglyceride levels between 70 and 140 mg/dL, as well as individuals with a diet high in trans-fat or carbohydrates. Elevated sdLDL levels are associated with metabolic syndrome and an 'atherogenic lipoprotein profile', and are a strong, independent predictor of cardiovascular disease. Elevated levels of LDL arise from multiple sources. A major factor is sedentary lifestyle with a diet high in saturated fat. Insulin-resistance and pre-diabetes have also been







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implicated, as has genetic predisposition. Measurement of sdLDL allows the clinician to get a more comprehensive picture of lipid risk factors and tailor treatment accordingly. Reducing LDL levels will reduce the risk of CVD and MI.

Non HDL Cholesterol - Adult treatment panel ATP III suggested the addition of Non-HDL Cholesterol as an indicator of all atherogenic lipoproteins (mainly LDL and VLDL). NICE guidelines recommend Non-HDL Cholesterol measurement before initiating lipid lowering therapy. It has also been shown to be a better marker of risk in both primary and secondary prevention studies.

Recommendations:

Results of Lipids should always be interpreted in conjunction with the patient's medical history, clinical presentation and other findings.

NON FASTING LIPID PROFILE includes Total Cholesterol, HDL Cholesterol and calculated non-HDL Cholesterol. It does not include triglycerides and may be best used in patients for whom fasting is difficult.

LIVER FUNCTION PROFILE, SERUM-

LIVER FUNCTION PROFILE

Bilirubin is a yellowish pigment found in bile and is a breakdown product of normal heme catabolism. Bilirubin is excreted in bile and urine, and elevated levels may give yellow discoloration in jaundice. Elevated levels results from increased bilirubin production (eg, hemolysis and ineffective erythropoiesis), decreased bilirubin excretion (eg, obstruction and hepatitis), and abnormal bilirubin metabolism (eg, hereditary and neonatal jaundice). Conjugated (direct) bilirubin is elevated more than unconjugated (indirect) bilirubin in Viral hepatitis, Drug reactions, Alcoholic liver disease Conjugated (direct) bilirubin is also elevated more than unconjugated (indirect) bilirubin when there is some kind of blockage of the bile ducts like in Gallstones getting into the bile ducts, tumors &Scarring of the bile ducts. Increased unconjugated (indirect) bilirubin may be a result of Hemolytic or pernicious anemia, Transfusion reaction & a common metabolic condition termed Gilbert syndrome, due to low levels of the enzyme that attaches sugar molecules to bilirubin.

AST is an enzyme found in various parts of the body. AST is found in the liver, heart, skeletal muscle, kidneys, brain, and red blood cells, and it is commonly measured clinically as a marker for liver health. AST levels increase during chronic viral hepatitis, blockage of the bile duct, cirrhosis of the liver, liver cancer, kidney failure, hemolytic anemia, pancreatitis, hemochromatosis. AST levels may also increase after a heart attack or strenuous activity. ALT test measures the amount of this enzyme in the blood. ALT is found mainly in the liver, but also in smaller amounts in the kidneys, heart, muscles, and pancreas. It is commonly measured as a part of a diagnostic evaluation of hepatocellular injury, to determine liver health.AST levels increase during acute hepatitis, sometimes due to a viral infection, is chemia to the liver, chronic hepatitis, obstruction of bile ducts, cirrhosis.

ALP is a protein found in almost all body tissues. Tissues with higher amounts of ALP include the liver, bile ducts and bone. Elevated ALP levels are seen in Biliary obstruction, Osteoblastic bone tumors, osteomalacia, hepatitis, Hyperparathyroidism, Leukemia, Lymphoma, Paget's disease, Rickets, Sarcoidosis etc. Lower-than-normal ALP levels seen in Hypophosphatasia, Malnutrition, Protein deficiency, Wilson's disease. GGT is an enzyme found in cell membranes of many tissues mainly in the liver, kidney and pancreas. It is also found in other tissues including intestine, spleen, heart, brain and seminal vesicles. The highest concentration is in the kidney, but the liver is considered the source of Is also found in other itssues including intestine, spleen, healt, brain and senimal vesicles. The highest concentration is in the kidney, but the liver is considered the source of normal enzyme activity. Serum GGT has been widely used as an index of liver dysfunction. Elevated serum GGT activity can be found in diseases of the liver, biliary system and pancreas. Conditions that increase serum GGT are obstructive liver disease, high alcohol consumption and use of enzyme-inducing drugs etc. Serum total protein, also known as total protein, is a biochemical test for measuring the total amount of protein in serum. Protein in the plasma is made up of albumin and globulin. Higher-than-normal levels may be due to: Chronic inflammation or infection, including HIV and hepatitis B or C, Multiple myeloma, Waldenstrom's disease. Lower-than-normal levels may be due to: Agammaglobulinemia, Bleeding (hemorrhage), Burns, Glomerulonephritis, Liver disease, Malabsorption, Malnutrition, Nephrotic syndrome, Protein-losing enteropathy etc. Human serum albumin is the most abundant protein in human blood plasma.It is produced in the liver Albumin constitutes about half of the blood serum protein.Low blood albumin levels (hypoalbuminemia) can be caused by:Liver disease like cirrhosis of the liver, nephrotic syndrome,protein-losing enteropathy,Burns,hemodilution,increased vascular permeability or decreased lymphatic clearance,malnutrition and wasting etc

SERUM BLOOD UREA NITROGEN-

Causes of Increased levels

Pre renal

- High protein diet, Increased protein catabolism, GI haemorrhage, Cortisol, Dehydration, CHF Renal
 Renal Failure

Post Renal

· Malignancy, Nephrolithiasis, Prostatism

Causes of decreased levels

- Liver disease
- STADH

CREATININE, SERUM-

Higher than normal level may be due to:

Blockage in the urinary tract

- Kidney problems, such as kidney damage or failure, infection, or reduced blood flow
- Loss of body fluid (dehydration)
 Muscle problems, such as breakdown of muscle fibers
- Problems during pregnancy, such as seizures (eclampsia)), or high blood pressure caused by pregnancy (preeclampsia)

Lower than normal level may be due to:

- Myasthenia GravisMuscular dystrophy

URIC ACID, SERUM-

Causes of Increased levels Dietary







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· High Protein Intake.

- Prolonged Fasting,
- · Rapid weight loss

Gout

Lesch nyhan syndrome. Type 2 DM.

Metabolic syndrome.

Causes of decreased levels

- Low Zinc IntakeOCP's
- Multiple Sclerosis

Nutritional tips to manage increased Uric acid levels

- Drink plenty of fluids
- Limit animal proteins
- High Fibre foods
- Vit C Intake
- Antioxidant rich foods TOTAL PROTEIN, SERUM-

Serum total protein, also known as total protein, is a biochemical test for measuring the total amount of protein in serum. Protein in the plasma is made up of albumin and

Higher-than-normal levels may be due to: Chronic inflammation or infection, including HIV and hepatitis B or C, Multiple myeloma, Waldenstrom's disease Lower-than-normal levels may be due to: Agammaglobulinemia, Bleeding (hemorrhage), Burns, Glomerulonephritis, Liver disease, Malabsorption, Malnutrition, Nephrotic syndrome, Protein-losing enteropathy etc.

ALBUMIN, SERUM-

Human serum albumin is the most abundant protein in human blood plasma. It is produced in the liver. Albumin constitutes about half of the blood serum protein. Low blood albumin levels (hypoalbuminemia) can be caused by: Liver disease like cirrhosis of the liver, nephrotic syndrome, protein-losing enteropathy, Burns, hemodilution, increased vascular permeability or decreased lymphatic clearance,malnutrition and wasting etc. ELECTROLYTES (NA/K/CL), SERUM-

Sodium levels are Increased in dehydration, cushing's syndrome, aldosteronism & decreased in Addison's disease, hypopituitarism,liver disease. Hypokalemia (low K) is common in vomiting, diarrhea, alcoholism, folic acid deficiency and primary aldosteronism. Hyperkalemia may be seen in end-stage renal failure, hemolysis, trauma, Addison's disease, metabolic acidosis, acute starvation, dehydration, and with rapid K infusion. Chloride is increased in dehydration, renal tubular acidosis (hyperchloremia metabolic acidosis), acute renal failure, metabolic acidosis associated with prolonged diarrhea and loss of sodium bicarbonate, diabetes insipidus, adrenocortical hyperfuction, salicylate intoxication and with excessive infusion of isotonic saline or extremely high dietary intake of salt. Chloride is decreased in overhydration, chronic respiratory acidosis, salt-losing nephritis, metabolic alkalosis, congestive heart failure, Addisonian crisis, certain types of metabolic acidosis, persistent gastric secretion and

prolonged vomiting,
MICROSCOPIC EXAMINATION, URINE-

Routine urine analysis assists in screening and diagnosis of various metabolic, urological, kidney and liver disorders

Protein: Elevated proteins can be an early sign of kidney disease. Urinary protein excretion can also be temporarily elevated by strenuous exercise, orthostatic proteinuria, dehydration, urinary tract infections and acute illness with fever

Glucose: Uncontrolled diabetes mellitus can lead to presence of glucose in urine. Other causes include pregnancy, hormonal disturbances, liver disease and certain

Ketones: Uncontrolled diabetes mellitus can lead to presence of ketones in urine. Ketones can also be seen in starvation, frequent vomiting, pregnancy and strenuous exercise.

Blood: Occult blood can occur in urine as intact erythrocytes or haemoglobin, which can occur in various urological, nephrological and bleeding disorders.

Leukocytes: An increase in leukocytes is an indication of inflammation in urinary tract or kidneys. Most common cause is bacterial urinary tract infection.

Nitrite: Many bacteria give positive results when their number is high. Nitrite concentration during infection increases with length of time the urine specimen is retained in bladder prior to collection. pH: The kidneys play an important role in maintaining acid base balance of the body. Conditions of the body producing acidosis/ alkalosis or ingestion of certain type of food

can affect the pH of urine. Specific gravity: Specific gravity gives an indication of how concentrated the urine is. Increased specific gravity is seen in conditions like dehydration, glycosuria and

proteinuria while decreased specific gravity is seen in excessive fluid intake, renal failure and diabetes insipidus.

Bilirubin: In certain liver diseases such as biliary obstruction or hepatitis, bilirubin gets excreted in urine.

Urobilinogen: Positive results are seen in liver diseases like hepatitis and cirrhosis and in cases of hemolytic anemia

THYROID PANEL, SERUM-

Triiodothyronine T3, is a thyroid hormone. It affects almost every physiological process in the body, including growth, development, metabolism, body temperature, and heart rate. Production of T3 and its prohormone thyroxine (T4) is activated by thyroid-stimulating hormone (TSH), which is released from the pituitary gland. Elevated concentrations of T3, and T4 in the blood inhibit the production of TSH.

Thyroxine T4, Thyroxine's principal function is to stimulate the metabolism of all cells and tissues in the body. Excessive secretion of thyroxine in the body is hyperthyroidism, and deficient secretion is called hypothyroidism. Most of the thyroid hormone in blood is bound to transport proteins. Only a very small fraction of the circulating hormone is free and biologically active.

In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are low.







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PATIENT ID: **PATIENT NAME: SANJAY KUMAR** SANJM04018662

SEX: Male 0062VG000481 AGE: 36 Years ABHA NO: ACCESSION NO:

RECEIVED: 15-07-2022 11:13 18-07-2022 13:56 REPORTED: DRAWN:

REFERRING DOCTOR: SELF CLIENT PATIENT ID:

Test Report Status **Final Results Biological Reference Interval** Units

Below mentioned are the guidelines for Pregnancy related reference ranges for Total T4, TSH & Total T3

Levels in TOTAL T4 TSH3G TOTAL T3 (µIU/mL) 0.1 - 2.5 0.2 - 3.0 0.3 - 3.0 (µg/dL) 6.6 - 12.4 (ng/dL) 81 - 190 Pregnancy First Trimester 6.6 - 15.5 6.6 - 15.5 100 - 260 100 - 260 2nd Trimester 3rd Trimester

Below mentioned are the guidelines for age related reference ranges for T3 and T4. T4

(µg/dL) (ng/dL) 1-3 day: 8.2 - 19.9 1 Week: 6.0 - 15.9 New Born: 75 - 260

NOTE: TSH concentrations in apparently normal euthyroid subjects are known to be highly skewed, with a strong tailed distribution towards higher TSH values. This is well documented in the pediatric population including the infant age group.

Kindly note: Method specific reference ranges are appearing on the report under biological reference range.

- 1. Burtis C.A., Ashwood E. R. Bruns D.E. Teitz textbook of Clinical Chemistry and Molecular Diagnostics, 4th Edition.
- 2. Gowenlock A.H. Varley's Practical Clinical Biochemistry, 6th Edition.
- 3. Behrman R.E. Kilegman R.M., Jenson H. B. Nelson Text Book of Pediatrics, 17th Edition

STOOL: OVA & PARASITE-

T3

Acute infective diarrhoea and gastroenteritis (diarrhoea with vomiting) are major causes of ill health and premature death in developing countries. Loss of water and electrolytes from the body can lead to severe dehydration which if untreated, can be rapidly fatal in young children, especially that are malnourished, hypoglycaemic, and generally in poor health.

Laboratory diagnosis of parasitic infection is mainly based on microscopic examination and the gross examination of the stool specimen. Depending on the nature of the parasite, the microscopic observations include the identification of cysts, ova, trophozoites, larvae or portions of adult structure. The two classes of parasites that cause human infection are the Protozoa and Helminths. The protozoan infections include amoebiasis mainly caused by Entamoeba histolytica and giardiasis caused by Giardia lamblia. The common helminthic parasites are Trichuris trichiura, Ascaris lumbricoides, Strongyloides stercoralis, Taenia sp. etc

ABO GROUP & RH TYPE, EDTA WHOLE BLOODBlood group is identified by antigens and antibodies present in the blood. Antigens are protein molecules found on the surface of red blood cells. Antibodies are found in plasma. To determine blood group, red cells are mixed with different antibody solutions to give A,B,O or AB.

Disclaimer: "Please note, as the results of previous ABO and Rh group (Blood Group) for pregnant women are not available, please check with the patient records for availability of the same.

The test is performed by both forward as well as reverse grouping methods.

MEDICAL

THIS REPORT CARRIES THE SIGNATURE OF OUR LABORATORY DIRECTOR. THIS IS AN INVIOLABLE FEATURE OF OUR LAB MANAGEMENT SOFTWARE. HOWEVER, ALL EXAMINATIONS AND INVESTIGATIONS HAVE BEEN CONDUCTED BY OUR PANEL OF DOCTORS.

Conclusion on an individual's Fitness, which is commented upon mainly for Pre employment cases, is based on multi factorial findings and does not depend on any one single parameter. The final Fitness assigned to a candidate will depend on the Physician's findings and overall judgement on a case to case basis, details of the candidate's past and personal history; as well as the comprehensiveness of the diagnostic panel which has been requested for .These are then further correlated with details of the job under consideration to eventually fit the right man to the right job.

Basis the above, SRL classifies a candidate's Fitness Status into one of the following categories:

- Fit (As per requested panel of tests) SRL Limited gives the individual a clean chit to join the organization, on the basis of the General Physical Examination and the specific test panel requested for.
- Fit (with medical advice) (As per requested panel of tests) This indicates that although the candidate can be declared as FIT to join the job, minimal problems have been detected during the Pre- employment examination. Examples of conditions which could fall in this category could be cases of mild reversible medical abnormalities such as height weight disproportions, borderline raised Blood Pressure readings, mildly raised Blood sugar and Blood Lipid levels, Hematuria, etc. Most of these relate to sedentary
- iffestyles and come under the broad category of life style disorders. The idea is to caution an individual to bring about certain lifestyle changes as well as seek a Physician's consultation and counseling in order to bring back to normal the mildly deranged parameters. For all purposes the individual is FIT to join the job.

 Fitness on Hold (Temporary Unfit) (As per requested panel of tests) Candidate's reports are kept on hold when either the diagnostic tests or the physical findings reveal the presence of a medical condition which warrants further tests, counseling and/or specialist opinion, on the basis of which a candidate can either be placed into Fit, Fit (With Medical Advice), or Unfit category. Conditions which may fall into this category could be high blood pressure, abnormal ECG, heart murmurs, abnormal vision, grossly
- elevated blood sugars, etc.

 Unfit (As per requested panel of tests) An unfit report by SRL Limited clearly indicates that the individual is not suitable for the respective job profile e.g. total color blindness in color related jobs.







ACROFEMI HEALTHCARE LTD (MEDIWHEEL) F-703, LADO SARAI, MEHRAULI SOUTH WEST DELHI

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CIN - U74899PB1995PLC045956 Email : customercare.pitampura@srl.in

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MEDI WHEEL FULL BODY HEALTH CHECK UP BELOW 40 MALE

ULTRASOUND ABDOMEN ULTRASOUND ABDOMEN

ULTRASOUND WHOLE ABDOMEN

Liver is normal in size, outline and **shows grade I fatty changes.** No obvious focal parenchymal lesion/biliary dilatation is seen. Hepatic veins and portal venous radicals are normal.

Gall bladder is partially distended and appears grossly normal.

Common bile duct is not dilated. Portal vein is normal in course and caliber.

Pancreas

Pancreas is normal in size, outline and echotexture. No evidence of any focal lesion or calcification is seen. Pancreatic duct is not dilated.

Spleen

Spleen is normal in size, outline and echotexture . No focal lesion/calcification is seen.

Kidneys

Both kidneys are normal in size, outline and echotexture. Corticomedullary differentiation is well maintained. Parenchymal thickness is normal. No mass lesion, calculus or hydronephrosis is seen.

No significant retroperitoneal lymphadenopathy/ascites is seen.

Urinary Bladder

Urinary bladder is well distended with normal outline.

Prostate

Prostate is normal in size.

Correlate clinically

End Of Report
Please visit www.srlworld.com for related Test Information for this accession







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Dr.Ujjwal Saxena Consultant -

DMC/REG.NO.03287

Dr. Kamlesh I Prajapati

Consultant Pathologist



