

Patient Name : Mr.SANDEEP KUMAR JHA
Age/Gender : 42 Y 5 M 13 D/M
UHID/MR No : SCHI.0000023040
Visit ID : SCHIOPV34869
Ref Doctor : Dr.SELF
Emp/Auth/TPA ID : RWQRWQ

Collected : 12/Aug/2024 09:16AM
Received : 12/Aug/2024 09:57AM
Reported : 12/Aug/2024 08:38PM
Status : Final Report
Sponsor Name : ARCOFEMI HEALTHCARE LIMITED

DEPARTMENT OF HAEMATOLOGY

PERIPHERAL SMEAR , WHOLE BLOOD EDTA

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Dr. SHWETA GUPTA
MBBS,MD (Pathology)
Consultant Pathology
SIN No:BED240210019



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DEPARTMENT OF HAEMATOLOGY

ARCOFEMI - MEDIWHEEL - PMC PACK H - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Interval	Method
HEMOGRAM , WHOLE BLOOD EDTA				
HAEMOGLOBIN	14.4	g/dL	13-17	CYANIDE FREE COLOUROMETER
PCV	44.70	%	40-50	PULSE HEIGHT AVERAGE
RBC COUNT	4.86	Million/cu.mm	4.5-5.5	Electrical Impedance
MCV	91.9	fL	83-101	Calculated
MCH	29.5	pg	27-32	Calculated
MCHC	32.1	g/dL	31.5-34.5	Calculated
R.D.W	15.2	%	11.6-14	Calculated
TOTAL LEUCOCYTE COUNT (TLC)	7,570	cells/cu.mm	4000-10000	Electrical Impedance
DIFFERENTIAL LEUCOCYTIC COUNT (DLC)				
NEUTROPHILS	53.1	%	40-80	Electrical Impedance
LYMPHOCYTES	34.1	%	20-40	Electrical Impedance
EOSINOPHILS	3.4	%	1-6	Electrical Impedance
MONOCYTES	9.2	%	2-10	Electrical Impedance
BASOPHILS	0.2	%	<1-2	Electrical Impedance
ABSOLUTE LEUCOCYTE COUNT				
NEUTROPHILS	4019.67	Cells/cu.mm	2000-7000	Calculated
LYMPHOCYTES	2581.37	Cells/cu.mm	1000-3000	Calculated
EOSINOPHILS	257.38	Cells/cu.mm	20-500	Calculated
MONOCYTES	696.44	Cells/cu.mm	200-1000	Calculated
BASOPHILS	15.14	Cells/cu.mm	0-100	Calculated
Neutrophil lymphocyte ratio (NLR)	1.56		0.78- 3.53	Calculated
PLATELET COUNT	105000	cells/cu.mm	150000-410000	IMPEDENCE/MICROSCOPY
ERYTHROCYTE SEDIMENTATION RATE (ESR)	05	mm at the end of 1 hour	0-15	Modified Westergren
PERIPHERAL SMEAR				

RBCs ARE NORMOCYTIC NORMOCHROMIC.

TLC , DLC WITHIN NORMAL LIMIT. NO IMMATURE CELLS ARE SEEN.
PLATELETS ARE REDUCED ON SMEAR.

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Test Name	Result	Unit	Bio. Ref. Interval	Method
BLOOD GROUP ABO AND RH FACTOR , WHOLE BLOOD EDTA				
BLOOD GROUP TYPE	O			Forward & Reverse Grouping with Slide/Tube Aggluti
Rh TYPE	POSITIVE			Forward & Reverse Grouping with Slide/Tube Agglutination



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DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - PMC PACK H - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Interval	Method
GLUCOSE, FASTING , NAF PLASMA	112	mg/dL	70-100	GOD - POD

Comment:

As per American Diabetes Guidelines, 2023

Fasting Glucose Values in mg/dL	Interpretation
70-100 mg/dL	Normal
100-125 mg/dL	Prediabetes
≥126 mg/dL	Diabetes
<70 mg/dL	Hypoglycemia

Note:

- The diagnosis of Diabetes requires a fasting plasma glucose of > or = 126 mg/dL and/or a random / 2 hr post glucose value of > or = 200 mg/dL on at least 2 occasions.
- Very high glucose levels (>450 mg/dL in adults) may result in Diabetic Ketoacidosis & is considered critical.

Test Name	Result	Unit	Bio. Ref. Interval	Method
GLUCOSE, POST PRANDIAL (PP), 2 HOURS , SODIUM FLUORIDE PLASMA (2 HR)	152	mg/dL	70-140	GOD - POD

Comment:

It is recommended that FBS and PPBS should be interpreted with respect to their Biological reference ranges and not with each other.

Conditions which may lead to lower postprandial glucose levels as compared to fasting glucose levels may be due to reactive hypoglycemia, dietary meal content, duration or timing of sampling after food digestion and absorption, medications such as insulin preparations, sulfonylureas, amylin analogues, or conditions such as overproduction of insulin.

Test Name	Result	Unit	Bio. Ref. Interval	Method
ALANINE AMINOTRANSFERASE (ALT/SGPT) , SERUM	58	U/L	<50	Visible with P-5-P



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Comment:

ALT elevations are noted in liver parenchymal diseases, leading to injury / destruction of hepatocytes.

ALT levels are seen to be elevated even before the signs and symptoms of the liver injury appear.

The ALT levels remain high longer in blood as compared to AST levels. And though both the enzymes increase in liver injury, the rise in ALT is more compared to AST, thus also altering the ALT:AST ratio.



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Test Name	Result	Unit	Bio. Ref. Interval	Method
BILIRUBIN, TOTAL , SERUM	1.00	mg/dL	0.20-1.30	DIAZO METHOD



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Test Name	Result	Unit	Bio. Ref. Interval	Method
BUN/CREATININE RATIO , SERUM				
BLOOD UREA NITROGEN	10.6	mg/dL	8.0 - 23.0	Calculated
CREATININE	0.70	mg/dL	0.66-1.25	Creatinine amidohydrolase
BUN / CREATININE RATIO	15.21			Calculated

Test Name	Result	Unit	Bio. Ref. Interval	Method
CREATININE , SERUM	0.70	mg/dL	0.66-1.25	Creatinine amidohydrolase



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DEPARTMENT OF CLINICAL PATHOLOGY

ARCOFEMI - MEDIWHEEL - PMC PACK H - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Interval	Method
COMPLETE URINE EXAMINATION (CUE) , URINE				
PHYSICAL EXAMINATION				
COLOUR	YELLOW		PALE YELLOW	Visual
TRANSPARENCY	CLEAR		CLEAR	Physical measurement
pH	6.0		5-7.5	DOUBLE INDICATOR
SP. GRAVITY	1.025		1.002-1.030	Dipstick
BIOCHEMICAL EXAMINATION				
URINE PROTEIN	NEGATIVE		NEGATIVE	PROTEIN ERROR OF INDICATOR
GLUCOSE	NEGATIVE		NEGATIVE	GLUCOSE OXIDASE
URINE BILIRUBIN	NEGATIVE		NEGATIVE	AZO COUPLING REACTION
URINE KETONES (RANDOM)	NEGATIVE		NEGATIVE	SODIUM NITRO PRUSSIDE
UROBILINOGEN	NORMAL		NORMAL	MODIFIED EHRlich REACTION
NITRITE	NEGATIVE		NEGATIVE	Griess reaction
LEUCOCYTE ESTERASE	NEGATIVE		NEGATIVE	Diazonium salt
CENTRIFUGED SEDIMENT WET MOUNT AND MICROSCOPY				
PUS CELLS	2-4	/hpf	0-5	Microscopy
EPITHELIAL CELLS	0-2	/hpf	<10	MICROSCOPY
RBC	ABSENT	/hpf	0-2	MICROSCOPY
CASTS	ABSENT		0-2 Hyaline Cast	MICROSCOPY
CRYSTALS	ABSENT		ABSENT	MICROSCOPY

Comment:

All urine samples are checked for adequacy and suitability before examination. All abnormal chemical examination are rechecked and verified by manual methods.

Microscopy findings are reported as an average of 10 high power fields.

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*** End Of Report ***

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