

SID No : 121002196

Branch : INDOCARE -DELHI

Mrs. MINAKSHI MISHRA

Age / Sex: 37 Y / Female

Ref. By : **INDOCARE PATHOLOGY LABS Pvt Ltd.,**

Patient ID : A210016321



Collected Date : 13/08/2024 / 15:47

Received Date : 13/08/2024 / 18:34

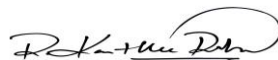
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Specimen	Test Name	Result	Units	Reference Range / Method
HAEMATOLOGY				
Full Body Health Checkup Package				
Complete blood count				
EDTA BLOOD	Haemoglobin	12.7	g/dL	12.0 - 15.0 (Colorimetric)
EDTA BLOOD	Total WBC count	7370	cells/cum m	4000 - 10000 (Electrical Impedance)
Differential Count				
EDTA BLOOD	NEUTROPHILS	67.30	%	40 - 70 (DHSS)
EDTA BLOOD	LYMPHOCYTES	22.30	%	20 - 45 (DHSS)
EDTA BLOOD	EOSINOPHILS	4.20	%	1.00 - 7.00 (DHSS)
EDTA BLOOD	MONOCYTES	5.30	%	2.00 - 7.00 (DHSS)
EDTA BLOOD	BASOPHILS	0.90	%	0 - 1 (DHSS)
EDTA BLOOD	PCV	38.1	%	37.0 - 47.0 (Calculated)
EDTA BLOOD	Red Blood Cell (RBC) Count	4.65	million/cu mm	3.80 - 4.80 (Electrical Impedance)
EDTA BLOOD	MCV	81.8	fl	83.0 - 101.0 (Electrical Impedance)
EDTA BLOOD	MCH	27.3	%	27.0 - 32.0 (Calculated)
EDTA BLOOD	MCHC	33.3	%	31.5 - 34.5 (Calculated)
EDTA BLOOD	Platelet count	184000	cells/cum m	150000 - 410000 (Electrical Impedance)

Verified By
Dr.Nisha Singh


Dr.R.Karthick Prabhu MD., (Path)
Consultant Pathologist





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EDTA BLOOD	Absolute Neutrophils	4920	cells/cum m	2000 - 7000 (Calculated)
EDTA BLOOD	Absolute Lymphocytes	1630	cells/cum m	1000 - 3000 (Calculated)
EDTA BLOOD	Absolute Eosinophils	300	cells/cum m	20 - 500 (Calculated)
EDTA BLOOD	Absolute Monocytes	390	cells/cum m	200 - 1000 (Calculated)
EDTA BLOOD	Absolute Basophils	70	cells/cum m	20 - 100 (Calculated)
EDTA BLOOD	RDW - CV	13.8	%	11.0 - 16.0 (Calculated)
EDTA BLOOD	RDW - SD	41.2	fl	37.0 - 54.0 (Automated)
EDTA BLOOD	PDW	17.4	fl	9.0 - 17.0 (Automated)
EDTA BLOOD	MPV	10.1	fl	9.0 - 13.0 (Electrical Impedance)
EDTA BLOOD	PCT	0.19	%	0.17 - 0.38 (Automated)
EDTA BLOOD	ESR	25	mm	0 - 12 (Westergren Method)

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Specimen	Test Name	Result	Units	Reference Range / Method
BIOCHEMISTRY				
Full Body Health Checkup Package				
Lipids Profile				
Serum	Cholesterol, Total	160.7	mg/dL	Desirable : <200 Borderline high : 200 - 239 High : >239 (Enzymatic : CHOD-PAP)
Note: Above Biological interval is based on 9 to 12 hours fasting.				
Serum	Triglycerides	107.60	mg/dL	Normal : <150 High : 150 - 199 Hypertriglyceridemic: 200 - 499 Very High : >499 (Enzymatic Colorimetric : GPO-PAP)
Note: Above Biological interval is based on 9 to 12 hours fasting				
Serum	Cholesterol, HDL	37.3	mg/dL	Low : < 40 High : ≥60 (Enzymatic-Colorimetric)
Serum	Cholesterol, LDL	101.9	mg/dL	Optimal : <100 Near or above optimal : 100 - 129 Borderline high : 130 - 159 High : 160 - 189 Very high : >190. (Calculation)
Serum	Cholesterol, VLDL	21.5	mg/dL	Less than 30 (NCEP ATP-III) (Calculation)
Serum	Cholesterol/HDL Ratio	4.3		Castelli's Risk Index -I Ideal : <3.5

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Consultant Biochemist



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Specimen	Test Name	Result	Units	Reference Range / Method
				Good: 3.5-5.0 High: ≥ 5 (Calculation)
Serum	HDL/LDL Ratio	0.4	Ratio	Optimal : > 0.4 Moderate: 0.3-0.4 High : < 0.3 (Calculation)
Serum	LDL/HDL Ratio	2.7	Ratio	Castelli's Risk Index -II Ideal : < 2.0 Good: 2.0-5.0 High: ≥ 5 (Calculation)
Serum	Non - HDL Cholesterol	123.4	mg/dL	Adult (NCEP ATP-III) Optimal : < 130 Near or above optimal : 130-159 Borderline high : 160-189 High : 190-219 Very high : > 220 (Calculation)
Kidney Function.				
Serum	Blood Urea Nitrogen (BUN)	12.8	mg/dL	6.9-18.0 (Enzymatic)
Serum	Urea	27.40	mg/dL	16.60 - 48.50 (Urease/GLDH)
Serum	Creatinine.	0.72	mg/dL	0.60 - 1.10 (Jaffe)
Serum	Uric Acid.	2.90	mg/dL	2.60 - 6.00 (Enzymatic-Colorimetric)
Serum	Sodium.	139	mmol/L	136 - 145 (ISE Indirect)
Serum	Potassium.	4.4	mmol/L	3.5 - 5.1 (ISE Indirect)
Serum	Chloride.	99	mmol/L	98 - 107 (ISE Indirect)
Serum	Urea Creatinine Ratio	38.1	Ratio	(Calculation)

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Specimen	Test Name	Result	Units	Reference Range / Method
Serum	Bun Creatinine Ratio	17.80	Ratio	(Calculated)
Liver Function				
Serum	Bilirubin, Total	0.25	mg/dL	Premature: Cord : < 2.0 0 - 1 day : 1.0 - 8.0 1 - 2 days : 6.0 - 12.0 3 - 5 days : 10.0 - 14.0 Full term: Cord : < 2.0 0 - 1 day : 2.0 - 6.0 1 - 2 days : 6.0 - 10.0 3 - 5 days : 4.0 - 8.0 Adult : 0.0 - 2.0 (Colorimetric : Diazo)
Serum	Bilirubin, Direct	0.19	mg/dL	0.0 - 2.0 (Colorimetric : Diazo)
Serum	Bilirubin, Indirect	0.06	mg/dL	0.1 - 1.0 (Calculated)
Serum	Aspartate aminotransferase (AST/SGOT)	25.20	U/L	Adult Male : <35 Female: <31 (IFCC without P5P)
Serum	Alanine aminotransferase (ALT/SGPT)	10.90	U/L	Less than 33 (IFCC without P5P)
Serum	SGOT/SGPT	2.3	Ratio	Upto 1.7 (Calculation)
Serum	Gamma Glutamyl-Transferase (GGT)	12.0	U/L	5.0 - 36.0 (IFCC)
Serum	Total Protein.	7.30	g/dL	6.40 - 8.30 (Colorimetric-Biuret)

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Specimen	Test Name	Result	Units	Reference Range / Method
Serum	Albumin.	3.99	g/dL	3.50 - 5.20 (Colorimetric: Bromocresol Green)
Serum	Globulin.	3.31	g/dL	2.0-3.9 (Calculated)
Serum	Albumin/Globulin	1.2	Ratio	(Calculated)
Serum	Alkaline phosphatase	97.0	U/L	40.0 - 129.0 (Colorimetric : p-Nitrophenyl Phosphate-AMP Buffer)
Bone Health				
Serum	Calcium	9.2	mg/dL	8.6 - 10.2 (Colorimetric : 5-nitro-5'-methyl-BAPTA)
Serum	Phosphorous	6.75	mg/dL	2.50 - 4.50 (Phosphomolybdate-UV)
Remarks: Requested the physician to interpret the results with clinical significance				
Serum	IRON	51.2	ug/dl	33.0 - 193.0 (FerroZine)
HbA1c				
EDTA BLOOD	Glycosylated Haemoglobin (HbA1c)	5.7	%	Adult Normal : < 5.7% Prediabetic : 5.7-6.4% Diabetic : >= 6.5% A1C Goals Reasonable Goal : <7% More stringent goal : <6.5% Less stringent goal : <8.0% (Immunoturbidimetry) (Ref: ADA, 2018) (Immunoturbidimetry)



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Specimen	Test Name	Result	Units	Reference Range / Method
EDTA BLOOD	Estimated Average Glucose (eAG)	116.9	mg/dL	
Fluoride	Glucose, Fasting	110.0	mg/dL	Healthy Adult or children : less than 100 Pre diabetic : 100 – 125 Diabetic : 126 or above (ADA 2019) (Hexokinase)

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Specimen	Test Name	Result	Units	Reference Range / Method
IMMUNOLOGY				
Full Body Health Checkup Package				
Serum	TSH	3.200	uIU/ml	Adult : 0.270 - 5.350 First Trimester : 0.1 - 2.5 Second Trimester: 0.2 - 3.0 Third Trimester : 0.2 - 3.0 (ECLIA)
Note: TSH has a diurnal rhythm, peaks at 2.00-4.00 am and has lowest level at 5.00-6.00 pm with ultradian variation. Hence thyroid test is only a snapshot of what is occurring within a dynamic system and for treatment purpose, the results should be accessed in conjugation with patient medical history, clinical examination & other tests/finding for confirmation. Many multivitamins (such as Vit B7), supplements (especially hair, skin, and nail) and over-the-counter and prescription medications may affect thyroid test results, and their use should be discussed with the healthcare practitioner prior to testing. When a high serum TSH concentration and normal free T4 is found, repeat measurement 3-6 months later along with thyroid antibodies after excluding nonthyroidal illness and drug interference is recommended.				
Serum	T3	1.05	ng/ml	0.80 - 2.00 (ECLIA)
Serum	T4	7.45	ug/dl	5.10 - 14.10 (ECLIA)
Serum	25 Hydroxyvitamin D	17.4	ng/ml	Deficiency : <20.0 Insufficiency: 21 - 30 Sufficiency : >30 (ECLIA)
Comments : Vitamin D is a fat-soluble steroid hormone precursor that is mainly produced in the skin by exposure to sunlight. Vitamin D is biologically inert and must undergo two successive hydroxylations in the liver and kidney to become the biologically active 1,25 - dihydroxyvitamin D. It is commonly agreed that 25-hydroxyvitamin D is the metabolite to determine the overall vitamin D status as it is the major storage form of vitamin D in the human body. This primary circulating form of vitamin D is present human body with levels approximately 1000 fold greater than the circulating 1,25-dihydroxyvitamin D. The half-life of circulating 25-hydroxyvitamin D is 2-3 weeks. Vitamin D is essential for : Bone health. In children, severe deficiency leads to bone-malformation, known as rickets. Milder degrees of insufficiency are believed to cause reduced efficiency in the utilization of dietary calcium. Vitamin D deficiency causes : Muscle weakness in elderly, the risk of falling has been attributed to the effect of vitamin D on muscle function. Vitamin D deficiency is a common cause of secondary hyperparathyroidism. Elevations of PTH levels, especially in elderly vitamin D deficient adults can result in osteomalacia, increased bone turnover, reduced bone mass and risk of bone fractures. Low vitamin D (25-OH) concentrations are also associated with lower bone mineral density. The results should always be assessed in conjunction with the patient's medical history, clinical examination and other findings.				
Serum	VITAMIN B 12	297	pg/ml	197 - 771 (ECLIA)
Note: Vitamin B12 or cyanocobalamin, is a complex corrinoid compound found exclusively from animal dietary sources, such as meat, eggs and milk. It is critical in normal DNA synthesis, which in turn affects erythrocyte maturation and in the formation of myelin sheath. Vitamin-B12 is used to find out neurological abnormalities and impaired DNA synthesis associated with macrocytic anemias. The test results should always be assessed in conjunction with the patients medical history, clinical examination and other findings.				

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Specimen	Test Name	Result	Units	Reference Range / Method
CLINICAL PATHOLOGY				
Full Body Health Checkup Package				
Urine complete analysis				
URINE	COLOUR	Pale Yellow		Pale yellow (Naked Eye Examination) (Macroscopic)
URINE	SP. GRAVITY	1.005		1.016 - 1.022 (Automated strip - Ion concentration) (Reflectance photometry)
URINE	pH	8.0		4.8 - 7.4 (Reflectance photometry)
URINE	PROTEIN.	Not present		Not Present (Automated strip – protein error of a pH indicator/ Manual – Sulphosalicylic acid method (Reflectance photometry)
URINE	GLUCOSE	Not present		Not Present (Automated strip –GOD/POD/Manual – Benedicts test) (Reflectance photometry)
URINE	BILIRUBIN	Not present		Not Present (Automated strip –Diazonium salt/Manual – Fouchet's test) (Reflectance photometry)
URINE	UROBILINOGEN	Normal		Within normal limits (Automated strip –Diazonium salt/Manual – Ehrlich's aldehyde method) (Reflectance photometry)
URINE	KETONES	Not present		Not Present (Automated strip –Legal's test/Manual – Rothera's method) (Reflectance

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				photometry)
URINE	NITRITES	Negative		Negative (Automated strip -Griess test) (Reflectance photometry)
URINE	LEUCOCYTES	4 - 6	/hpf	3 - 5 (Manual - Light Microscopy)
URINE	RBCs	Not Present	/hpf	Occasional (Manual - Light Microscopy)
URINE	EPITHELIAL CELLS	3 - 4	/hpf	Few (Manual - Light Microscopy)
URINE	CAST	Not Present	/hpf	Not present (Manual - Light Microscopy)
URINE	CRYSTALS	Not Present	/hpf	Not present (Manual - Light Microscopy)

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----- End of the Report -----

