

Patient Name : MRS. VALAVALA DURGA RANI

Age / Gender : 39 years / Female

Patient ID : 13586

Source : MEDI WHEEL

Referral : SELF

Collection Time : Dec 10, 2022, 09:05 a.m.

Reporting Time : Dec 10, 2022, 02:55 p.m.

Sample ID :



Test Description	Value(s)	Reference Range	Unit
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Esr, Erythrocyte Sedimentation Rate

Esr, Erythrocyte Sedimentation Rate (Westergren)	23	0-30	mm/hr
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Interpretation:

- It indicates presence and intensity of an inflammatory process. It does not diagnose a specific disease. Changes in the ESR are more significant than the abnormal results of a single test.
- It is a prognostic test and used to monitor the course or response to treatment of diseases like tuberculosis, bacterial endocarditis, acute rheumatic fever, rheumatoid arthritis, SLE, Hodgkins disease, temporal arteritis and polymyalgia rheumatica.
- It is also increased in pregnancy, multiple myeloma, menstruation, and hypothyroidism.

Blood Group & Rh Type

Blood Grouping & Rh Typing

Method : Forward and Reverse By Tube Method

"O" + (POSITIVE)

Methodology

This is done by forward and reverse grouping by tube Agglutination method.

Interpretation

Newborn baby does not produce ABO antibodies until 3 to 6 months of age. So the blood group of the Newborn baby is done by ABO antigen grouping (forward grouping) only, antibody grouping (reverse grouping) is not required. Confirmation of the New-born's blood group is indicated when the A and B antigen expression and the isoagglutinins are fully developed (2-4 years).

Fasting - Glucose

Glucose Fasting*	85	Normal: 70-110	mg/dL
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Method : Plasma, Hexokinase

Impaired Fasting Glucose (IFG):
110-125
Diabetes Mellitus: ≥ 126
(On more than one occasion)
(American Diabetes Association
guidelines 2017)

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<u>Lipid Profile</u>			
Cholesterol-Total Method : Serum, Cholesterol oxidase esterase, peroxidase	156	Desirable: <= 200 Borderline High: 201-239 High: > 239 Ref: The National Cholesterol Education Program (NCEP) Adult Treatment Panel III Report.	mg/dL
Triglycerides Method : Serum, Enzymatic, endpoint	189	Normal: < 150 Borderline High: 150-199 High: 200-499 Very High: >= 500	mg/dL
Cholesterol-HDL Direct Method : Serum, Direct measure-PEG	44	Normal: > 40 Major Heart Risk: < 40	mg/dL
LDL Cholesterol Method : Serum	74.2	Optimal: < 100 Near optimal/above optimal: 100-129 Borderline high: 130-159 High: 160-189 Very High: >= 190	mg/dL
Non - HDL Cholesterol, Serum Method : calculated	112	Desirable: < 130 mg/dL Borderline High: 130-159mg/dL High: 160-189 mg/dL Very High: > or = 190 mg/dL	mg/dL
VLDL Cholesterol Method : calculated	37.8	6 - 38	mg/dL
CHOL/HDL RATIO Method : calculated	3.55	3.5 - 5.0	ratio

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LDL/HDL RATIO Method : calculated	1.69	Desirable / low risk - 0.5 -3.0 Low/ Moderate risk - 3.0- 6.0 Elevated / High risk - > 6.0	ratio
HDL/LDL RATIO Method : calculated	0.59	Desirable / low risk - 0.5 -3.0 Low/ Moderate risk - 3.0- 6.0 Elevated / High risk - > 6.0	ratio

Note: 8-10 hours fasting sample is required.

Liver Function Test

Bilirubin - Total Method : Serum, Diazotization	0.6	Adults and Children: < 1.2	mg/dL
Bilirubin - Direct Method : Serum, Diazotization	0.2	Adults and Children: < 0.5	mg/dL
Bilirubin - Indirect Method : Serum, Calculated	0.4	0.1 - 1.0	mg/dL
SGOT Method : Serum, UV with P5P, IFCC 37 degree	26	< 50	U/L
SGPT Method : Serum, UV with P5P, IFCC 37 degree	19	< 50	U/L
Alkaline Phosphatase-ALPI Method : Serum, PNPP, AMP Buffer, IFCC 37 degree	68	30-120	U/L
GGT-Gamma Glutamyl Transpeptidase Method : Serum, G-glutamyl-carboxy-nitroanilide	22	< 55	U/L
Total Protein Method : Serum, Biuret, reagent blank end point	7.5	6.6 - 8.3	g/dL
Albumin Method : Serum, Bromocresol purple	4.3	Adults: 3.5 - 5.2	g/dL
Globulin Method : Calculated	3.2	1.8 - 3.6	g/dL

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A/G Ratio Method : Calculated	1.34	1.2 - 2.2	ratio

KIDNEY FUNCTION TEST

Urea * Method : Serum	16	15- 50	mg/dL
Blood Urea Nitrogen-BUN* Method : Serum, Urease	7.4	7 - 24	mg/dL
Uric Acid* Method : Serum, Uricase/POD	5.2	2.6 - 6.0	mg/dL
Creatinine* Method : Serum, Jaffe IDMS	0.67	0.6 - 1.1	mg/dL

Urine Routine

Colour*	Yellow		
Volume*	15	-	ml
Transparency (Appearance)*	Clear	Clear	
Deposit*	Absent	Absent	
Reaction (pH)*	5.0	4.5 - 8	
Specific Gravity*	1.025	1.010 - 1.030	

Chemical Examination (Automated Dipstick Method) Urine

Urine Glucose*	Negative	Negative
Urine Protein*	Negative	Negative
Blood*	Negative	Negative
Urine Ketone*	Negative	Negative
Blood*	Negative	Negative
Bilirubin*	Negative	Negative
Nitrite*	Negative	Negative

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Leucocytes*	Negative	Negative	
Urobilinogen*	Normal	With in normal limits	
Microscopic Examination Urine			
Pus Cells (WBCs)*	2-3	0 - 5	/hpf
Epithelial Cells*	1-2	0 - 4	/hpf
Red blood Cells*	Absent	Absent	/hpf
Crystals*	Absent	Absent	
Cast*	Absent	Absent	
Trichomonas Vaginalis*	Absent	Absent	
Yeast Cells*	Absent	Absent	
Amorphous deposits*	Absent	Absent	
Bacteria*	Absent	Absent	

Thyroid Function Test (TFT)

THYROID STIMULATING HORMONE (TSH) Method : CLIA	8.41	0.46 – 8.10 : 1 Yrs – 5 Yrs 0.36 – 5.80 : 6 Yrs – 18 Yrs 0.35 – 5.50 : 18 Yrs – 55 Yrs 0.50 – 8.90 : >55 Yrs Pregnancy Ranges:::: Ist Tri :0.1 - 2.5 IIInd Tri :0.2 - 3.0 IIIrd Tri:0.3 - 3.0	uIU/mL
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