



TIME DIAGNOSTICS
(A Unit of Time Health Care)

Patient Name : MRS. K. SUKANYA

Age / Gender : 30 years / Female

Patient ID : 19018

Source : MEDI WHEEL

Referral : SELF

Collection Time : Mar 25, 2023, 01:03 p.m.

Reporting Time : Mar 25, 2023, 09:24 p.m.

Sample ID :



668427980

Test Description	Value(s)	Reference Range	Unit
<u>CBC; Complete Blood Count</u>			
Hemoglobin (Hb)* Method : Cynmeth Photometric Measurement	10.6	12.0 - 15.0	gm/dL
Erythrocyte (RBC) Count* Method : Electrical Impedence	4.04	3.8 - 4.8	mil/cu.mm
Packed Cell Volume (PCV)* Method : Calculated	34.1	36 - 46	%
Mean Cell Volume (MCV)* Method : Electrical Impedence	84.41	83 - 101	fL
Mean Cell Haemoglobin (MCH)* Method : Calculated	26.24	27 - 32	pg
Mean Corpuscular Hb Concn. (MCHC)* Method : Calculated	31.09	31.5 - 34.5	gm/dL
Red Cell Distribution Width (RDW)* Method : Electrical Impedence	13.6	11.6 - 14.0	%
Total Leucocytes (WBC) Count* Method : Electrical Impedence	6000	4000-10000	cell/cu.mm
Neutrophils* Method : VCSn Technology	64	40 - 80	%
Lymphocytes* Method : VCSn Technology	30	20 - 40	%
Monocytes* Method : VCSn Technology	5	2 - 10	%
Eosinophils* Method : VCSn Technology	1	1 - 6	%
Basophils	0	0 - 1	
Platelet Count* Method : Electrical Impedence	2.52	1.5 - 4.5	10 ³ /ul
Mean Platelet Volume (MPV)* Method : Electrical Impedence	8.0	7.2 - 11.7	fL

Dr.CH.Deepthi Chandrika
M.D. Pathology
Reg.No.APCM/FMR/77174

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PCT* Method : Calculated	0.202	0.2 - 0.5	%
PDW* Method : Calculated	14.9	9.0 - 17.0	%

Tests done on Automated Three Part Cell Counter. (WBC, RBC, Platelet count by impedance method, colorimetric method for Hemoglobin, WBC differential by flow cytometry using laser technology other parameters are calculated). All Abnormal Haemograms are reviewed confirmed microscopically.

Esr, Erythrocyte Sedimentation Rate

Esr, Erythrocyte Sedimentation Rate (Westergren) **44** 0-20 mm/hr

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 "O" + (POSITIVE)

Method : Forward and Reverse By Tube Method

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).

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Test Description	Value(s)	Reference Range	Unit
<u>Fasting - Glucose</u>			
Glucose Fasting*	78	Normal: 70-110 Impaired Fasting Glucose (IFG): 110-125 Diabetes Mellitus: >= 126 (On more than one occasion) (American Diabetes Association guidelines 2017)	mg/dL
Method : Plasma, Hexokinase			
<u>Fasting Urine Sugar</u>			
Fasting Urine Sugar	NEGATIVE	NEGATIVE -	
<u>Stool Complete Exam</u>			
<u>Lipid Profile</u>			
Cholesterol-Total	122.26	Desirable: <= 200 Borderline High: 201-239 High: > 239 Ref: The National Cholesterol Education Program (NCEP) Adult Treatment Panel III Report.	mg/dL
Method : Serum, Cholesterol oxidase esterase, peroxidase			
Triglycerides	69.31	Normal: < 150 Borderline High: 150-199 High: 200-499 Very High: >= 500	mg/dL
Method : Serum, Enzymatic, endpoint			
Cholesterol-HDL Direct	30.63	<40: Low 40 - 60: Optimal > 60: Desirable	mg/dL
Method : Serum, Direct measure-PEG			

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Test Description	Value(s)	Reference Range	Unit
LDL Cholesterol Method : Serum	77.77	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	91.63	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	13.86	6 - 38	mg/dL
CHOL/HDL RATIO Method : calculated	3.99	3.5 - 5.0	ratio
LDL/HDL RATIO Method : calculated	2.54	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	0.67	Adults and Children: < 1.2	mg/dL
Bilirubin - Direct Method : Serum, Diazotization	0.26	Adults and Children: < 0.5	mg/dL
Bilirubin - Indirect Method : Serum, Calculated	0.41	0.1 - 1.0	mg/dL
SGOT Method : Serum, UV with P5P, IFCC 37 degree	18.05	< 50	U/L
SGPT Method : Serum, UV with P5P, IFCC 37 degree	16.57	< 50	U/L

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Test Description	Value(s)	Reference Range	Unit
Alkaline Phosphatase-ALPI Method : Serum, PNPP, AMP Buffer, IFCC 37 degree	59	30-120	U/L
Total Protein Method : Serum, Biuret, reagent blank end point	7.0	6.6 - 8.3	g/dL
Albumin Method : Serum, Bromocresol purple	3.72	Adults: 3.5 - 5.2	g/dL
Globulin Method : Calculated	3.28	1.8 - 3.6	g/dL
A/G Ratio Method : Calculated	1.13	1.2 - 2.2	ratio

KIDNEY FUNCTION TEST

Urea * Method : Serum	16	15- 50	mg/dL
Blood Urea Nitrogen-BUN* Method : Serum, Urease	7.48	7 - 24	mg/dL
Uric Acid* Method : Serum, Uricase/POD	4.53	2.6 - 6.0	mg/dL
Creatinine* Method : Serum, Jaffe IDMS	0.64	0.6 - 1.1	mg/dL

Urine Routine

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

Chemical Examination (Automated Dipstick Method) Urine

Urine Glucose*	Negative	Negative
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Test Description	Value(s)	Reference Range	Unit
Urine Protein*	Negative	Negative	
Urine Ketone*	Negative	Negative	
Blood*	Positive (+)	Negative	
Bilirubin*	Negative	Negative	
Nitrite*	Negative	Negative	
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*	5-6	Absent	/hpf
Crystals*	Absent	Absent	
Cast*	Absent	Absent	
Bacteria*	Absent	Absent	

HBA1C (Glycosylated Haemoglobin)

Glyco Hb (HbA1C)	4.78	Non-Diabetic: <=5.9 Pre Diabetic:6.0-6.4 Diabetic: >=6.5	%
Method : EDTA Whole blood,HPLC			
Estimated Average Glucose :	90.49		mg/dL

Interpretations

- HbA1C has been endorsed by clinical groups and American Diabetes Association guidelines 2017 for diagnosing diabetes using a cut off point of 6.5%
- Low glycated haemoglobin in a non diabetic individual are often associated with systemic inflammatory diseases, chronic anaemia (especially severe iron deficiency and haemolytic), chronic renal failure and liver diseases. Clinical correlation suggested.

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3. In known diabetic patients, following values can be considered as a tool for monitoring the glycemc control.

Excellent control-6-7 %

Fair to Good control – 7-8 %

Unsatisfactory control – 8 to 10 %

Poor Control – More than 10 %

Thyroid Function Test (TFT)

TRI-IODO THYRONINE (T3) Method : CLIA	1.255	0.60 - 1.81	ng/mL
TOTAL THYROXINE (T4) Method : CLIA	7.219	4.2 - 12.0	ug/dL
THYROID STIMULATING HORMONE (TSH) Method : CLIA	2.586	0.46 – 8.10 : 1 Yrs – 5 Yrs 0.36 – 5.80 : 6 Yrs – 18 Yrs 0.35 – 5.50 : >18 Yrs Pregnancy Ranges 1st Trimester :0.1 - 2.5 2nd Trimester :0.2 - 3.0 3rd Trimester:0.3 - 3.0	uIU/mL

Comments:

IF NOT ON DRUGS SUGGESTED FT3 & FT4 ESTIMATION

Please correlate with clinical conditions.

Note : Serum T3, T4 and TSH form the three components of thyroid screening panel, useful in diagnosing various disorders of the thyroid gland. Primary Hypothyroidism is accompanied by depressed serum T3 and T4 values and elevated serum TSH levels. Although elevated TSH levels are nearly always indicative of Primary Hypothyroidism, rarely they can from TSH secreting pituitary tumors (Secondary hyperthyroidism)To confirm diagnosis - evaluate FT3 and FT4.

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Pap Smear

Post Prandial Urine Sugar

Post Prandial Blood Sugar

Blood Glucose-Post Prandial* Method : Plasma - P, Hexokinase	87	70-140	mg/dL
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****END OF REPORT****

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