



TIME DIAGNOSTICS
(A Unit of Time Health Care)

Patient Name : MR. K. VENKATESWARARAO

Age / Gender : 55 years / Male

Patient ID : 20649

Source : MEDI WHEEL

Referral : SELF

Collection Time : May 01, 2023, 09:49 a.m.

Reporting Time : May 01, 2023, 11:25 a.m.

Sample ID :



668431077

Test Description	Value(s)	Reference Range	Unit
<u>CBC; Complete Blood Count</u>			
Hemoglobin (Hb)* Method : Cynmeth Photometric Measurement	13.5	13.5 - 18.0	gm/dL
Erythrocyte (RBC) Count* Method : Electrical Impedence	4.62	4.7 - 6.0	mil/cu.mm
Packed Cell Volume (PCV)* Method : Calculated	40.7	42 - 52	%
Mean Cell Volume (MCV)* Method : Electrical Impedence	88.10	78 - 100	fL
Mean Cell Haemoglobin (MCH)* Method : Calculated	29.22	27 - 31	pg
Mean Corpuscular Hb Concn. (MCHC)* Method : Calculated	33.17	32 - 36	gm/dL
Red Cell Distribution Width (RDW)* Method : Electrical Impedence	14.1	11.5 - 14.0	%
Total Leucocytes (WBC) Count* Method : Electrical Impedence	11100	4000-10000	cell/cu.mm
Neutrophils* Method : VCSn Technology	63	40 - 80	%
Lymphocytes* Method : VCSn Technology	31	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	3.67	1.5 - 4.5	Lakhs/cu.mm
Mean Platelet Volume (MPV)* Method : Electrical Impedence	7.6	7.2 - 11.7	fL

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

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Test Description	Value(s)	Reference Range	Unit
PCT* Method : Calculated	0.279	0.2 - 0.5	%
PDW* Method : Calculated	15.7	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)	35	0-10	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.

Urine Routine

Colour*	Pale Yellow		
Volume*	15	-	ml
Transparency (Appearance)*	Clear	Clear	
Reaction (pH)*	5.0	4.5 - 8	
Specific Gravity*	1.020	1.010 - 1.030	

Chemical Examination (Automated Dipstick Method) Urine

Urine Glucose*	Negative	Negative
Urine Protein*	Negative	Negative
Urine Ketone*	Negative	Negative

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Test Description	Value(s)	Reference Range	Unit
Blood*	Negative	Negative	
Bilirubin*	Negative	Negative	
Nitrite*	Negative	Negative	
Leucocytes*	Negative	Negative	
Urobilinogen*	Normal	Normal	
Microscopic Examination Urine			
Pus Cells (WBCs)*	4-5	0 - 5	/hpf
Epithelial Cells*	1-2	0 - 4	/hpf
Red blood Cells*	Absent	Absent	/hpf
Crystals*	Absent	Absent	
Cast*	Absent	Absent	
Bacteria*	Absent	Absent	

Stool Complete Exam

Note:

SAMPLE NOT COLLECTED

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).

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Fasting - Glucose

Glucose Fasting* Method : Plasma, Hexokinase	100.41	Normal: 70-100 Impaired Fasting Glucose (IFG): 101-125 Diabetes Mellitus: >125	mg/dL
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Post Prandial Blood Sugar

Blood Glucose-Post Prandial* Method : Plasma - P, Hexokinase	132.49	80-140	mg/dL
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Fasting Urine Sugar

Fasting Urine Sugar	NEGATIVE	NEGATIVE -	
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Post Prandial Urine Sugar

HBA1C (Glycosylated Haemoglobin)

Glyco Hb (HbA1C) Method : EDTA Whole blood,HPLC	5.41	Non-Diabetic: <=5.9 Pre Diabetic:6.0-6.4 Diabetic: >=6.5	%
Estimated Average Glucose :	108.57		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.
- In known diabetic patients, following values can be considered as a tool for monitoring the glycemic control.

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Test Description	Value(s)	Reference Range	Unit
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	1.41	0.60 - 1.81	ng/mL
TOTAL THYROXINE (T4) Method : CLIA	10.75	4.2 - 12.0	ug/dL
THYROID STIMULATING HORMONE (TSH) Method : CLIA	7.715	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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Test Description	Value(s)	Reference Range	Unit
Lipid Profile			
Cholesterol-Total Method : Serum, Cholesterol oxidase esterase, peroxidase	224.41	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	225.89	Normal: < 150 Borderline High: 150-199 High: 200-499 Very High: ≥ 500	mg/dL
Cholesterol-HDL Direct Method : Serum, Direct measure-PEG	31.82	< 40 : Low 40 - 60: Optimal > 60 : Desirable	mg/dL
LDL Cholesterol Method : Serum	147.41	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	192.59	Desirable: < 130 mg/dL Borderline High: 130-159mg/dL High: 160-189 mg/dL Very High: $> \text{or} = 190$ mg/dL	mg/dL
VLDL Cholesterol Method : calculated	45.18	6 - 38	mg/dL
CHOL/HDL RATIO Method : calculated	7.05	3.5 - 5.0	ratio

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Test Description	Value(s)	Reference Range	Unit
LDL/HDL RATIO Method : calculated	4.63	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.

KIDNEY FUNCTION TEST

Urea * Method : Serum	29	15- 50	mg/dL
Blood Urea Nitrogen-BUN* Method : Serum, Urease	13.55	7 - 24	mg/dL
Uric Acid* Method : Serum, Uricase/POD	5.95	3.5 - 7.2	mg/dL
Creatinine* Method : Serum, Jaffe IDMS	1.16	0.7 - 1.3	mg/dL

Liver Funtion Test (LFT) with GGT

Bilirubin - Total Method : Serum, Jendrassik Grof	0.87	0.3 - 1.2	mg/dL
Bilirubin - Direct Method : Serum, Diazotization	0.34	Adults and Children: < 0.2	mg/dL
Bilirubin - Indirect Method : Serum, Calculated	0.53	0.1 - 1.0	mg/dL
SGOT Method : Serum, UV with P5P, IFCC 37 degree	21.24	< 50	U/L
SGPT Method : Serum, UV with P5P, IFCC 37 degree	23.92	< 50	U/L
Alkaline Phosphatase-ALP Method : Serum, PNPP, AMP Buffer, IFCC 37 degree	160.56	30-120	U/L
Total Protein Method : Serum, Biuret, reagent blank end point	7.52	6.6 - 8.3	g/dL

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Albumin Method : Serum, Bromcresol purple	4.21	Adults: 3.5 - 5.2	g/dL
Globulin Method : Calculated	3.31	1.8 - 3.6	g/dL
A/G Ratio Method : Calculated	1.27	1.2 - 2.2	ratio

****END OF REPORT****

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