Patient Name : MR. VALAVALA RAMBABU

Age / Gender : 47 years / Male

Patient ID : 13585

Source : MEDI WHEEL

Referral : SELF

Collection Time : Dec 10, 2022, 09:01 a.m.

Reporting Time : Dec 10, 2022, 02:47 p.m.

Sample ID :

668420095

Test Description	Value(s)	Reference Range	Unit
CBC; Complete Blood Count			
Hemoglobin (Hb)*	**12.8**	13.5 - 18.0	gm/dL
Method : Cynmeth Photometric Measurement			
Erythrocyte (RBC) Count*	**4.52**	4.7 - 6.0	mil/cu.mm
Method : Electrical Impedence			
Packed Cell Volume (PCV)*	**41.3**	42 - 52	%
Method : Calculated			
Mean Cell Volume (MCV)*	91.37	78 - 100	fL
Method : Electrical Impedence			
Mean Cell Haemoglobin (MCH)*	28.32	27 - 31	pg
Method : Calculated			
Mean Corpuscular Hb Concn. (MCHC)*	**30.99**	32 - 36	gm/dL
Method : Calculated			
Red Cell Distribution Width (RDW)*	**14.8**	11.5 - 14.0	%
Method : Electrical Impedence			
Total Leucocytes (WBC) Count*	5900	4000-10000	cell/cu.mm
Method : Electrical Impedence			
Neutrophils*	43	40 - 80	%
Method : VCSn Technology			
Lymphocytes*	**50**	20 - 40	%
Method : VCSn Technology			
Monocytes*	6	2 - 10	%
Method : VCSn Technology			
Eosinophils*	1	1 - 6	%
Method : VCSn Technology			
Basophils	0	0 - 1	
Platelet Count*	1.52	1.5 - 4.5	10^3/ul
Method : Electrical Impedence			
Mean Platelet Volume (MPV)*	9.8	7.2 - 11.7	fL
Method : Electrical Impedence			

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Test Description	Value(s)	Reference Range	Unit
PCT*	**0.149**	0.2 - 0.5	%
Method : Calculated			
PDW*	16.9	9.0 - 17.0	%
Method : Calculated			

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.

Urine Routine

Colour*	Pale Yellow		
Volume*	15	-	ml
Transparency (Appearance)*	Clear	Clear	
Deposit*	Absent	Absent	
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
Blood*	**Negative**	Negative
Urine Ketone*	**Negative**	Negative
Blood*	**Negative**	Negative
Bilirubin*	**Negative**	Negative
Nitrite*	**Negative**	Negative
Leucocytes*	**Negative**	Negative
Urobilinogen*	Normal	Normal

Microscopic Examination Urine

Pus Cells (WBCs)*	2-3	0 - 5	/hpf

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Test Description	Value(s)	Reference Range	Unit
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	

Fasting - Glucose

Test Description	Value(s)	Reference Range	Unit
Glucose Fasting* **Method : Plasma, Hexokinase**	70	Normal: 70-100 Impaired Fasting Glucose (IFG): 100-125 Diabetes Mellitus: >= 126 (On more than one occasion) (American Diabetes Association guidelines 2017)	mg/dL

Fasting Urine Sugar

Test Description	Value(s)	Reference Range	Unit
Fasting Urine Sugar	NEGATIVE	NEGATIVE -	

Post Prandial Urine Sugar

Test Description	Value(s)	Reference Range	Unit
Post Prandial Urine Sugar	NEGATIVE		

HBA1C (Glycosylated Haemoglobin)

Test Description	Value(s)	Reference Range	Unit
Glyco Hb (HbA1C) Method : EDTA Whole blood,HPLC	5.49	Non-Diabetic: <=5.9 Pre Diabetic:6.0-6.4 Diabetic: >=6.5	%

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Test Description	Value(s)	Reference Range	Unit
Estimated Average Glucose :	110.8		mg/dL

Interpretations

1. HbA1C has been endorsed by clinical groups and American Diabetes Association guidelines 2017 for diagnosing diabetes using a cut off point of 6.5%

2. 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.

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

Test Description	Value(s)	Reference Range	Unit
THYROID STIMULATING HORMONE (TSH) Method : CLIA	7.21	**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** **IInd Tri :0.2 - 3.0** **IIIrd Tri:0.3 - 3.0**	uIU/mL
TOTAL TRI-IODOTHYRONINE (T3) Method : CLIA	142	**126 – 258 : 1 Yr – 5 Yr** **96 – 227 : 6 Yr – 15 Yr** **91 – 164 : 16 Yr – 18 Yr** **60 – 181 : > 18 Years** **Pregnancy :** **1st Trimester : 81 - 190** **2nd & 3rd Trimester:100 - 260**	ng/dl

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Test Description	Value(s)	Reference Range	Unit
TOTAL THYROXINE (T4) Method : CLIA	6.3	**4.6 - 10.9** **Pregnancy:** **4.6 – 16.5 : 1st Trimester** **4.6 – 18.5 : 2nd & 3rd Tri**	µg/dL

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.

Lipid Profile

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	144	Normal: < 150 Borderline High: 150-199 High: 200-499 Very High: >= 500	mg/dL
Cholesterol-HDL Direct Method : Serum, Direct measure-PEG	43	Normal: > 40 Major Heart Risk: < 40	mg/dL

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Test Description	Value(s)	Reference Range	Unit
LDL Cholesterol Method : Serum	84.2	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	113	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	28.8	6 - 38	mg/dL
CHOL/HDL RATIO Method : calculated	3.63	3.5 - 5.0	ratio
LDL/HDL RATIO Method : calculated	1.96	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	0.51	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

Test Description	Value(s)	Reference Range	Unit
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	5.2	3.5 - 7.2	mg/dL

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Test Description	Value(s)	Reference Range	Unit
Creatinine* Method : Serum, Jaffe IDMS	**1.15**	0.7 - 1.3	mg/dL

END OF REPORT

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