

Patient Name : MRS. CH. RAJANI

Age / Gender : 28 years / Female

Patient ID : 22122

Source : MEDI WHEEL

Referral : SELF

Collection Time : Jun 10, 2023, 09:07 a.m.

Reporting Time : Jun 10, 2023, 12:46 p.m.

Sample ID :



668428474

Test Description	Value(s)	Reference Range	Unit
<u>CBC; Complete Blood Count</u>			
Hemoglobin (Hb)* Method : Cynmeth Photometric Measurement	9.6	12.0 - 15.0	gm/dL
Erythrocyte (RBC) Count* Method : Electrical Impedence	4.15	3.8 - 4.8	mil/cu.mm
Packed Cell Volume (PCV)* Method : Calculated	29.7	36 - 46	%
Mean Cell Volume (MCV)* Method : Electrical Impedence	71.57	83 - 101	fL
Mean Cell Haemoglobin (MCH)* Method : Calculated	23.13	27 - 32	pg
Mean Corpuscular Hb Concn. (MCHC)* Method : Calculated	32.32	31.5 - 34.5	gm/dL
Red Cell Distribution Width (RDW)* Method : Electrical Impedence	16.4	11.6 - 14.0	%
Total Leucocytes (WBC) Count* Method : Electrical Impedence	8000	4000-10000	cell/cu.mm
Neutrophils* Method : VCSn Technology	51	40 - 80	%
Lymphocytes* Method : VCSn Technology	43	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	3.74	1.5 - 4.5	Lakhs/cu.mm
Mean Platelet Volume (MPV)* Method : Electrical Impedence	7.4	7.2 - 11.7	fL

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

Approved by

Scan to Validate



Patient Name : MRS. CH. RAJANI

Age / Gender : 28 years / Female

Patient ID : 22122

Source : MEDI WHEEL

Referral : SELF

Collection Time : Jun 10, 2023, 09:07 a.m.

Reporting Time : Jun 10, 2023, 12:46 p.m.

Sample ID :



Test Description	Value(s)	Reference Range	Unit
PCT* Method : Calculated	0.277	0.2 - 0.5	%
PDW* Method : Calculated	14.0	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)	25	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	"AB" POSITIVE (+VE)
---------------------------------------	----------------------------

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).

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

Approved by

Scan to Validate



Patient Name : MRS. CH. RAJANI

Age / Gender : 28 years / Female

Patient ID : 22122

Source : MEDI WHEEL

Referral : SELF

Collection Time : Jun 10, 2023, 09:07 a.m.

Reporting Time : Jun 10, 2023, 12:46 p.m.

Sample ID :



Test Description	Value(s)	Reference Range	Unit
<u>Fasting - Glucose</u>			
Glucose Fasting* Method : Plasma, Hexokinase	112.66	Normal: 70-100 Impaired Fasting Glucose (IFG): 101-125 Diabetes Mellitus: >125	mg/dL
<u>Fasting Urine Sugar</u>			
Fasting Urine Glucose	NEGATIVE	Negative	
<u>Stool Complete Exam</u>			
<u>Lipid Profile</u>			
Cholesterol-Total Method : Serum, Cholesterol oxidase esterase, peroxidase	164.42	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	174.56	Normal: < 150 Borderline High: 150-199 High: 200-499 Very High: >= 500	mg/dL
Cholesterol-HDL Direct Method : Serum, Direct measure-PEG	31.36	<40: Low 40 - 60: Optimal > 60: Desirable	mg/dL

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

Approved by

Scan to Validate



Patient Name : MRS. CH. RAJANI

Age / Gender : 28 years / Female

Patient ID : 22122

Source : MEDI WHEEL

Referral : SELF

Collection Time : Jun 10, 2023, 09:07 a.m.

Reporting Time : Jun 10, 2023, 12:46 p.m.

Sample ID :



Test Description	Value(s)	Reference Range	Unit
LDL Cholesterol Method : Serum	98.15	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	133.06	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	34.91	6 - 38	mg/dL
CHOL/HDL RATIO Method : calculated	5.24	3.5 - 5.0	ratio
LDL/HDL RATIO Method : calculated	3.13	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	0.77	Adults and Children: < 1.2	mg/dL
Bilirubin - Direct Method : Serum, Diazotization	0.33	Adults and Children: < 0.5	mg/dL
Bilirubin - Indirect Method : Serum, Calculated	0.44	0.1 - 1.0	mg/dL
SGOT Method : Serum, UV with P5P, IFCC 37 degree	39.99	< 50	U/L
SGPT Method : Serum, UV with P5P, IFCC 37 degree	48.28	< 50	U/L

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

Approved by

Scan to Validate



Patient Name : MRS. CH. RAJANI

Age / Gender : 28 years / Female

Patient ID : 22122

Source : MEDI WHEEL

Referral : SELF

Collection Time : Jun 10, 2023, 09:07 a.m.

Reporting Time : Jun 10, 2023, 12:46 p.m.

Sample ID :



668428474

Test Description	Value(s)	Reference Range	Unit
Alkaline Phosphatase-ALPI Method : Serum, PNPP, AMP Buffer, IFCC 37 degree	80.83	30-120	U/L
Total Protein Method : Serum, Biuret, reagent blank end point	7.15	6.6 - 8.3	g/dL
Albumin Method : Serum, Bromcresol purple	4.59	Adults: 3.5 - 5.2	g/dL
Globulin Method : Calculated	2.56	1.8 - 3.6	g/dL
A/G Ratio Method : Calculated	1.79	1.2 - 2.2	ratio

KIDNEY FUNCTION TEST

Urea * Method : Serum	18	15- 50	mg/dL
Blood Urea Nitrogen-BUN* Method : Serum, Urease	8.41	7 - 24	mg/dL
Uric Acid* Method : Serum, Uricase/POD	4.0	2.6 - 6.0	mg/dL
Creatinine* Method : Serum, Jaffe IDMS	0.7	0.6 - 1.1	mg/dL

Urine Routine

Colour*	Pale Yellow		
Transparency (Appearance)*	Clear	Clear	
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	

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

Approved by

Scan to Validate



Patient Name : MRS. CH. RAJANI

Age / Gender : 28 years / Female

Patient ID : 22122

Source : MEDI WHEEL

Referral : SELF

Collection Time : Jun 10, 2023, 09:07 a.m.

Reporting Time : Jun 10, 2023, 12:46 p.m.

Sample ID :



668428474

Test Description	Value(s)	Reference Range	Unit
Urine Ketone*	Negative	Negative	
Blood*	Negative	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*	Absent	Absent	/hpf
Crystals*	Absent	Absent	
Cast*	Absent	Absent	
Bacteria*	Absent	Absent	

HBA1C (Glycosylated Haemoglobin)

Glyco Hb (HbA1C)	5.25	Non-Diabetic: <=5.9 Pre Diabetic:6.0-6.4 Diabetic: >=6.5	%
Method : EDTA Whole blood,HPLC			
Estimated Average Glucose :	103.97		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.

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

Approved by

Scan to Validate



Patient Name : MRS. CH. RAJANI

Age / Gender : 28 years / Female

Patient ID : 22122

Source : MEDI WHEEL

Referral : SELF

Collection Time : Jun 10, 2023, 09:07 a.m.

Reporting Time : Jun 10, 2023, 12:46 p.m.

Sample ID :



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	1.25	0.60 - 1.81	ng/mL
TOTAL THYROXINE (T4) Method : CLIA	7.25	4.2 - 12.0	ug/dL
THYROID STIMULATING HORMONE (TSH) Method : CLIA	3.765	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.

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

Approved by

Scan to Validate



Patient Name : MRS. CH. RAJANI

Age / Gender : 28 years / Female

Patient ID : 22122

Source : MEDI WHEEL

Referral : SELF

Collection Time : Jun 10, 2023, 09:07 a.m.

Reporting Time : Jun 10, 2023, 12:46 p.m.

Sample ID :



668428474

Test Description	Value(s)	Reference Range	Unit
------------------	----------	-----------------	------

Pap Smear

The PAP Smear is not a diagnostic procedure and should not be used as the sole means to evaluate cervical cancer. It is a screening procedure to aid in detection of cervical cancer and its precursors.

The foundation of Liquid Based Cytology (LBC) is that it produces uniform, thin layer slides and minimizes obscuring artefacts as, blood and mucus. On balance, LBC provides consistent improvement compared with conventional PAP testing in specimen adequacy and detection of LSIL and HSIL categories.

Cervico - vaginal cytology is screened & reported as per the Bethesda 2014.

References :

1. Johnson J and Patnick J. 2000. Achievable standards, benchmarks for reporting, and criteria for evaluating cervical cytopathology. Revised 2nd Edition.NHSCSP Publications ?NHS Cancer Screening Programmes.
2. Bankhead C, Austoker J, Davey C. 2003. Cervical Screening Results Explained ?a guide for primary care. NHS Cancer Screening Programme.
3. Gibb RK, Martens MG. The Impact of Liquid Based Cytology in decreasing the incidence of cervical cancer. Rev Obstet Gynecol 2011; 4(Suppl 1):S2-S11.
4. The Bathesda system for reporting cervical cytology, 2014, 3rd Edition.

Post Prandial Urine Sugar

Post Prandial Blood Sugar

Blood Glucose-Post Prandial* 123.90 70-140 mg/dL

Method : Plasma - P, Hexokinase

****END OF REPORT****

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

Approved by

Scan to Validate

