PID No.
 : MED122272629
 Register On
 : 11/11/2023 8:37 AM

 SID No.
 : 522317637
 Collection On
 : 11/11/2023 12:58 PM

 Age / Sex
 : 34 Year(s) / Female
 Report On
 : 11/11/2023 7:03 PM

 Type
 : OP
 Printed On
 : 13/11/2023 10:46 AM

Ref. Dr : MediWheel

<u>Investigation</u>	<u>Observed</u> <u>U</u> <u>Value</u>	<u>Biological</u> <u>Reference Interval</u>
BLOOD GROUPING AND Rh TYPING	'B' 'Positive'	

(EDTA Blood/Agglutination)

INTERPRETATION: Note: Slide method is screening method. Kindly confirm with Tube method for transfusion.

Complete Blood Count With - ESR

Haemoglobin (EDTA Blood/Spectrophotometry)	12.6	g/dL	12.5 - 16.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood)	39.8	%	37 - 47
RBC Count (EDTA Blood)	5.07	mill/cu.mm	4.2 - 5.4
Mean Corpuscular Volume(MCV) (EDTA Blood)	78.5	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood)	24.9	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	31.8	g/dL	32 - 36
RDW-CV	14.0	%	11.5 - 16.0
RDW-SD	38.47	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	8300	cells/cu.m m	4000 - 11000
Neutrophils (Blood)	45.0	%	40 - 75
Lymphocytes (Blood)	45.6	%	20 - 45
Eosinophils (Blood)	3.6	%	01 - 06





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Monocytes (Blood)	5.4	%	01 - 10
Basophils (Blood)	0.4	%	00 - 02
INTERPRETATION: Tests done on Automated Five	Part cell counter. All	abnormal results are	e reviewed and confirmed microscopically.
Absolute Neutrophil count (EDTA Blood)	3.73	10^3 / μ1	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	3.78	10^3 / μl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood)	0.30	10^3 / μl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood)	0.45	10^3 / μ1	< 1.0
Absolute Basophil count (EDTA Blood)	0.03	10^3 / μ1	< 0.2
Platelet Count (EDTA Blood)	395	10^3 / μl	150 - 450
MPV (Blood)	8.4	fL	8.0 - 13.3
PCT (Automated Blood cell Counter)	0.33	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood)	47	mm/hr	< 20
BUN / Creatinine Ratio	12.5		6.0 - 22.0
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	95.14	mg/dL	Normal: < 100 Pre Diabetic: 100 - 125 Diabetic: >= 126

INTERPRETATION: Factors such as type, quantity and time of food intake, Physical activity, Psychological stress, and drugs can influence blood glucose level.





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Glucose, Fasting (Urine) (Urine - F/GOD - POD)	Negative		Negative
Glucose Postprandial (PPBS)	103.96	mg/dL	70 - 140

INTERPRETATION:

Factors such as type, quantity and time of food intake, Physical activity, Psychological stress, and drugs can influence blood glucose level. Fasting blood glucose level may be higher than Postprandial glucose, because of physiological surge in Postprandial Insulin secretion, Insulin resistance, Exercise or Stress, Dawn Phenomenon, Somogyi Phenomenon, Anti- diabetic medication during treatment for Diabetes.

Urine Glucose(PP-2 hours) (Urine - PP)	Negative		Negative
Blood Urea Nitrogen (BUN) (Serum/Urease UV / derived)	8.3	mg/dL	7.0 - 21
Creatinine (Serum/Modified Jaffe)	0.66	mg/dL	0.6 - 1.1

INTERPRETATION: Elevated Creatinine values are encountered in increased muscle mass, severe dehydration, Pre-eclampsia, increased ingestion of cooked meat, consuming Protein/ Creatine supplements, Diabetic Ketoacidosis, prolonged fasting, renal dysfunction and drugs such as cefoxitin ,cefazolin, ACE inhibitors ,angiotensin II receptor antagonists,N-acetylcyteine , chemotherapeutic agent such as flucytosine etc.

Uric Acid (Serum/Enzymatic) Liver Function Test	6.74	mg/dL	2.6 - 6.0
Bilirubin(Total) (Serum/DCA with ATCS)	0.34	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.09	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.25	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/Modified IFCC)	17.80	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/Modified IFCC)	22.93	U/L	5 - 41





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Investigation	Observed <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	23.73	U/L	< 38
Alkaline Phosphatase (SAP) (Serum/Modified IFCC)	88.6	U/L	42 - 98
Total Protein (Serum/Biuret)	7.20	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.56	gm/dl	3.5 - 5.2
Globulin (Serum/Derived)	2.64	gm/dL	2.3 - 3.6
A : G RATIO (Serum/Derived)	1.73		1.1 - 2.2
<u>Lipid Profile</u>			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	282.41	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/GPO-PAP with ATCS)	230.81	mg/dL	Optimal: < 150 Borderline: 150 - 199 High: 200 - 499 Very High: >= 500

INTERPRETATION: The reference ranges are based on fasting condition. Triglyceride levels change drastically in response to food, increasing as much as 5 to 10 times the fasting levels, just a few hours after eating. Fasting triglyceride levels show considerable diurnal variation too. There is evidence recommending triglycerides estimation in non-fasting condition for evaluating the risk of heart disease and screening for metabolic syndrome, as non-fasting sample is more representative of the õusualö"circulating level of triglycerides during most part of the day.

HDL Cholesterol 34.72 mg/dL Optimal(Negative Risk Factor): >= 60 (Serum/Immunoinhibition) Borderline: 50 - 59 High Risk: < 50





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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
LDL Cholesterol (Serum/Calculated)	201.5	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	46.2	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	247.7	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >= 220

INTERPRETATION: 1. Non-HDL Cholesterol is now proven to be a better cardiovascular risk marker than LDL Cholesterol. 2.It is the sum of all potentially atherogenic proteins including LDL, IDL, VLDL and chylomicrons and it is the "new bad cholesterol" and is a co-primary target for cholesterol lowering therapy.

Total Cholesterol/HDL Cholesterol Ratio (Serum/Calculated)	8.1	Optimal: < 3.3 Low Risk: 3.4 - 4.4 Average Risk: 4.5 - 7.1 Moderate Risk: 7.2 - 11.0 High Risk: > 11.0
Triglyceride/HDL Cholesterol Ratio (TG/HDL) (Serum/Calculated)	6.6	Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	5.8	Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0

Glycosylated Haemoglobin (HbA1c)





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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
HbA1C (Whole Blood/HPLC)	5.7	%	Normal: 4.5 - 5.6 Prediabetes: 5.7 - 6.4 Diabetic: >= 6.5

INTERPRETATION: If Diabetes - Good control: 6.1 - 7.0 %, Fair control: 7.1 - 8.0 %, Poor control >= 8.1 %

Estimated Average Glucose 116.89 mg/dL

(Whole Blood)

INTERPRETATION: Comments

HbA1c provides an index of Average Blood Glucose levels over the past 8 - 12 weeks and is a much better indicator of long term glycemic control as compared to blood and urinary glucose determinations.

Conditions that prolong RBC life span like Iron deficiency anemia, Vitamin B12 & Folate deficiency,

hypertriglyceridemia, hyperbilirubinemia, Drugs, Alcohol, Lead Poisoning, Asplenia can give falsely elevated HbAlC values.

Conditions that shorten RBC survival like acute or chronic blood loss, hemolytic anemia, Hemoglobinopathies, Splenomegaly, Vitamin E ingestion, Pregnancy, End stage Renal disease can cause falsely low HbAlc.

THYROID PROFILE / TFT

T3 (Triiodothyronine) - Total	1.11	ng/ml	0.7 - 2.04

(Serum/ECLIA)

INTERPRETATION:

Comment:

Total T3 variation can be seen in other condition like pregnancy, drugs, nephrosis etc. In such cases, Free T3 is recommended as it is Metabolically active.

T4 (Tyroxine) - Total 5.67 μ g/dl 4.2 - 12.0

(Serum/ECLIA)

INTERPRETATION:

Comment:

Total T4 variation can be seen in other condition like pregnancy, drugs, nephrosis etc. In such cases, Free T4 is recommended as it is Metabolically active.

TSH (Thyroid Stimulating Hormone) 2.83 µIU/mL 0.35 - 5.50 (Serum/ECLIA)





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Investigation Observed Unit Biological Value Reference Interval

INTERPRETATION:

Reference range for cord blood - upto 20

1 st trimester: 0.1-2.5 2 nd trimester 0.2-3.0 3 rd trimester: 0.3-3.0

(Indian Thyroid Society Guidelines)

Comment:

Colour

1.TSH reference range during pregnancy depends on Iodine intake, TPO status, Serum HCG concentration, race, Ethnicity and BMI.

Dala vallow

- 2.TSH Levels are subject to circadian variation, reaching peak levels between 2-4am and at a minimum between 6-10PM. The variation can be of the order of 50%, hence time of the day has influence on the measured serum TSH concentrations.
- 3. Values & amplt 0.03 µIU/mL need to be clinically correlated due to presence of rare TSH variant in some individuals.

URINE ROUTINE

PHYSICAL EXAMINATION (URINE COMPLETE)

(Urine)	Pale yellow	Yellow to Amber
Appearance (Urine)	Clear	Clear
Volume(CLU) (Urine)	20	
<u>CHEMICAL EXAMINATION (URINE</u> <u>COMPLETE)</u>		
pH (Urine)	6	4.5 - 8.0
Specific Gravity (Urine)	1.004	1.002 - 1.035
Ketone (Urine)	Negative	Negative
Urobilinogen (Urine)	Normal	Normal





Vallow to Amber

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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Blood (Urine)	Negative		Negative
Nitrite (Urine)	Negative		Negative
Bilirubin (Urine)	Negative		Negative
Protein (Urine)	Negative		Negative
Glucose (Urine/GOD - POD)	Negative		Negative
Leukocytes(CP) (Urine)	Negative		
MICROSCOPIC EXAMINATION (URINE COMPLETE)			
Pus Cells	0-1	/hpf	NIL
(Urine) Epithelial Cells (Urine)	1-3	/hpf	NIL
RBCs (Urine)	NIL	/hpf	NIL
Others (Urine)	NIL		
INTERPRETATION: Note: Done with Autreviewed and confirmed microscopically.	omated Urine Analyser & Auto	omated urine sedime	entation analyser. All abnormal reports are
Casts (Urine)	NIL	/hpf	NIL
Crystals (Urine)	NIL	/hpf	NIL





-- End of Report --

The results pertain to sample tested.

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Name	MRS.JYOTHI LAKSHMI S	ID	MED122272629
Age & Gender	34Y/FEMALE	Visit Date	11 Nov 2023
Ref Doctor Name	MediWheel		

ABDOMINO-PELVIC ULTRASONOGRAPHY

LIVER is enlarged in size (16.6 cm) and shows increased echogenicity. No evidence of focal lesion or intrahepatic biliary ductal dilatation. Hepatic and portal vein radicals are normal.

GALL BLADDER is partially distended. CBD is not dilated.

PANCREAS has normal shape, size and uniform echopattern. No evidence of ductal dilatation or calcification.

SPLEEN show normal shape, size and echopattern.

KIDNEYS

Right kidney: Normal in shape, size and echopattern. Cortico-medullary differentiation is well madeout. No evidence of calculus or hydronephrosis.

Left kidney: Normal in shape, size and echopattern. Cortico-medullary differentiation is well madeout. No evidence of calculus or hydronephrosis.

The kidney measures as follows:

•	Bipolar length (cms)	Parenchymal thickness (cms)
Right Kidney	10.2	1.0
Left Kidney	12.2	1.6

URINARY BLADDER show normal shape and wall thickness. It has clear contents. No evidence of diverticula.

UTERUS is anteverted and shows heterogeneous echotexture, predominantly hyperechoic - Early adenomyosis. A well-defined anechoic cystic area, measuring 25 x 15 mm is noted. Cystic lesion in the anterior myometrium is seen with internal echoes.

Endometrial echo is of normal thickness - 5.6 mm.

Uterus measures LS: 5.7 cms AP: 4.8 cms TS: 4.5 cms.

OVARIES: Right ovary measures 4.5 x 3.2 cm and shows hemorrhagic follicle measuring 28 x 30 mm.

Left ovary measures 3.6 x 2.5 cm and shows hemorrhagic cyst measuring 35 x 30 x 23 mm, Vol 13.3 cc.

POD & adnexa are free.

No evidence of ascites.

IMPRESSION:

- Hepatomegaly with grade I fatty infiltration.
- Heterogeneous uterus with anechoic cystic area.
- Left ovarian hemorrhagic cyst and right ovarian hemorrhagic follicle.

Name	MRS.JYOTHI LAKSHMI S	ID	MED122272629
Age & Gender	34Y/FEMALE	Visit Date	11 Nov 2023
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- Suggested TVS correlation for further evaluation.

DR. HEMANANDINI V.N CONSULTANT RADIOLOGIST Hn/Mi

Name	MRS.JYOTHI LAKSHMI S	ID	MED122272629
Age & Gender	34Y/FEMALE	Visit Date	11 Nov 2023
Ref Doctor Name	MediWheel		

2D ECHOCARDIOGRAPHIC STUDY

M-mode measurement:

AORTA 2.37 cms. LEFT ATRIUM 2.65 cms. **AVS** 1.45 cms. LEFT VENTRICLE (DIASTOLE) 4.01 cms. (SYSTOLE) 2.16 cms. **VENTRICULAR SEPTUM** (DIASTOLE) 1.29 cms. (SYSTOLE) 1.08 cms. **POSTERIOR WALL** (DIASTOLE) 1.13 cms. (SYSTOLE) 1.65 cms. **EDV** 70 ml. **ESV** 15 ml. FRACTIONAL SHORTENING 38 % **EJECTION FRACTION** 60 % **EPSS** cms. **RVID** 1.80 cms.

DOPPLER MEASUREMENTS:

MITRAL VALVE: E - 0.8 m/s A - 0.6 m/s NO MR.

AORTIC VALVE: 1.1 m/s NO AR.

TRICUSPID VALVE: E -0.4 m/s A -0.3 m/s NO TR.

PULMONARY VALVE: 0.8 m/s NO PR.

Name	MRS.JYOTHI LAKSHMI S	ID	MED122272629
Age & Gender	34Y/FEMALE	Visit Date	11 Nov 2023
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2D ECHOCARDIOGRAPHY FINDINGS:

Left Ventricle : Normal size, Normal systolic function.

: No regional wall motion abnormalities.

Left Atrium : Normal.

Right Ventricle : Normal.

Right Atrium : Normal.

Mitral Valve : Normal. No mitral valve prolapsed.

Aortic Valve : Normal.Trileaflet.

Tricuspid Valve : Normal.

Pulmonary Valve : Normal.

IAS : Intact.

IVS : Intact.

Pericardium : No pericardial effusion.

IMPRESSION:

- NORMAL SIZED CARDIAC CHAMBERS.
- NORMAL LV SYSTOLIC FUNCTION. EF: 60 %.
- NO REGIONAL WALL MOTION ABNORMALITIES.
- NORMAL VALVES.
- NO CLOTS / PERICARDIAL EFFUSION / VEGETATION.

DR. YASHODA RAVI CONSULTANT CARDIOLOGIST

Name	MRS.JYOTHI LAKSHMI S	ID	MED122272629
Age & Gender	34Y/FEMALE	Visit Date	11 Nov 2023
Ref Doctor Name	MediWheel		

Name	MRS. JYOTHI LAKSHMI S	Customer ID	MED122272629
Age & Gender	34Y/F	Visit Date	Nov 11 2023 8:37AM
Ref Doctor	MediWheel		

X - RAY CHEST PA VIEW

Bilateral lung fields appear normal.

Cardiac size is within normal limits.

Bilateral hilar regions appear normal.

Bilateral domes of diaphragm and costophrenic angles are normal.

Visualised bones and soft tissues appear normal.

<u>Impression:</u> No significant abnormality detected.

DR KARTHIK VIJAY DATTANI. MD., PDCC CONSULTANT RADIOLOGIST

OPTICAL STORE

Unique Collection

Ph: 9611444957

Vyalikaval Main road No; 12 Lakshmi Nilaya, Ground Floor. 2nd Main Road, Vyalikaval, Bengaluru Karnataka - 560003

Name Tyothi lakehimi

Ph No. 70 259678 78

CHIEF COMPLAINTS

RE / LE / BE :

DOV / Blurring / Eyeache / Burning

Itching / Pricking / Redness

Visual Activity:

Later a visit a		RE	LE
Distance/ Near	B	B	SIC
. With PH		-	1
With Glasses/Cl		_	_

Color Vision: BB= Normal

RE
SPH CYL AXIS VN SPH CYL AXIS VN
Distance On 5 6/6
Near

Advise: Constant Use / Near Use / Distance Only

Mr. Ravikumar H Luhi 2



Patient Name	Jyothi Laksl	Date S	11/11/2023
Age	34 485	Visit Number	522317637
Sex	Fereale	Corporate	Mediwhe

GENERAL PHYSICAL EXAMINATION

Identification Mark:

Height: 162 c cms

Weight: 61 14 1 kgs

Pulse: 84 6 /minute

Blood Pressure: /30/80 why mm of Hg

BMI : 23.8

BMI INTERPRETATION

Underweight = <18.5 Normal weight = 18.5-24.9 Overweight = 25-29.9

Chest:

Expiration: 89 C cms

Inspiration: 93 __ ' cms

Abdomen Measurement: 95 cms

Eyes: Clinically NAD Ears: NAD

Throat: clinically NAD Neck nodes: No lymphadersofully noted

RS: BL DE (+1-NrBS: CVS: S,S,B)

PA: Coft, non fende CNS: conscious & oriented

No abnormality is detected. His / Her general physical examination is within normal limits.

NOTE: MEDICAL FIT FOR EMPLOYMENT YES / NO

Signature

Dr. RITESH RAJ, MBBS General Physician & Diabetologies

Please produce bill copy at the time of collecting the reports. Request you to provide your mobile number or customer id during your subsequent visits.



