

NAME	: Mrs. GEETHA G	MR NO.	: 21071709
AGE/SEX	: 49 Yrs / Female	VISIT NO.	: 137675
REFERRED BY :		DATE OF COLLECTION	: 23-07-2021 at 12:46 PM
		DATE OF REPORT	: 23-07-2021 at 07:29 PM
REF CENTER	: MEDIWHEEL		

TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
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MEDIWHEEL HEALTH CHECKUP FEMALE

COMPLETE BLOOD COUNT (CBC) WITH ESR

HAEMOGLOBIN <i>Colorimetric Method</i>	13.8 gm/dL	12 - 16 gm/dL
HEMATOCRIT (PCV) <i>Calculated</i>	41.3 %	36 - 47 %
RED BLOOD CELL (RBC) COUNT <i>Electrical Impedance</i>	4.2 million/cu.mm	4 - 5.2 million/cu.mm
PLATELET COUNT <i>Electrical Impedance</i>	3.2 Lakhs/cumm	1.5 - 4.5 Lakhs/cumm
MEAN CELL VOLUME (MCV) <i>Calculated</i>	96.8 fl	80 - 100 fl
MEAN CORPUSCULAR HEMOGLOBIN (MCH) <i>Calculated</i>	32.3 pg	26 - 34 pg
MEAN CORPUSCULAR HEMOGLOBIN CONCENTRATION (MCHC) <i>Calculated</i>	33.4 %	31 - 35 %
TOTAL WBC COUNT (TC) <i>Electrical Impedance</i>	6900 cells/cumm	4000 - 11000 cells/cumm

DIFFERENTIAL COUNT

NEUTROPHILS <i>VCS Technology/Microscopic</i>	58 %	40 - 75 %
LYMPHOCYTES <i>VCS Technology/Microscopic</i>	33 %	25 - 40 %
EOSINOPHILS <i>VCS Technology/Microscopic</i>	04 %	0 - 7 %
MONOCYTES <i>VCS Technology/Microscopic</i>	05 %	1 - 8 %
BASOPHILS <i>Electrical Impedance</i>	00 %	

Krishna M.



A. Vamseedhar

Dr. KRISHNA MURTHY

MD
BIOCHEMIST

Lab Seal

Dr. VAMSEEDHAR.A

D.C.P, M.D
CONSULTANT PATHOLOGIST

The laboratory values And Normal values need to be interpreted based on patients clinical characteristics. The values in reference range is for an average normal individual which may vary depending upon age, sex and other characteristics.

NAME :	Mrs. GEETHA G	MR NO. :	21071709
AGE/SEX :	49 Yrs / Female	VISIT NO. :	137675
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TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
THYROID PROFILE			
TOTAL TRIIODOTHYRONINE (T3) <small>CMIA</small>	1.00 ng/mL	0.87 - 1.78 ng/mL	
TOTAL THYROXINE (T4) <small>CMIA</small>	7.74 µg/dL	6.09 - 12.23 µg/dL	
THYROID STIMULATING HORMONE (TSH) <small>CMIA</small>	4.413 µIU/mL	0.38 - 5.33 µIU/mL	
		1st Trimester: 0.05 - 3.70	
		2nd Trimester: 0.31 - 4.35	
		3rd Trimester: 0.41 - 5.18	

Note:

- TSH levels are subject to circadian variation, reaching peak levels between 2 - 4 a.m. and at a minimum between 6-10 pm. The variation is of the order of 50%, hence time of the day has influence on the measured serum TSH concentrations.
- Recommended test for T3 and T4 is unbound fraction or free levels as it is metabolically active.
- Physiological rise in Total T3 / T4 levels is seen in pregnancy and in patients on steroid therapy.

Clinical Use:

- Primary Hypothyroidism
- Hyperthyroidism
- Hypothalamic - Pituitary hypothyroidism
- Inappropriate TSH secretion
- Nonthyroidal illness
- Autoimmune thyroid disease
- Pregnancy associated thyroid disorders
- Thyroid dysfunction in infancy and early childhood

BLOOD GROUP & Rh TYPING
Tube Agglutination (Forward and Reverse)

"B" Positive

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TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
GLYCATED HAEMOGLOBIN (HbA1C) <small>HPLC</small>	5.8 %	American Diabetic Association (ADA) recommendations: Non diabetic adults : <5.7 % At risk (Pre diabetic): 5.7 – 6.4% Diabetic : >= 6.5% Therapeutic goal for glycemic control : Goal for therapy: < 7.0% Action suggested: > 8.0%	

ESTIMATED AVERAGE GLUCOSE (eAG) 119.76 mg/dL
Calculation

Comments:

This assay is useful for diagnosing Diabetes and evaluating long term control of blood glucose concentrations in diabetic patients. It reflects the mean glucose concentration over the previous period of 8 to 12 weeks and is a better indicator of long term glycemic control as compared with blood and urine glucose measurements. This provides a additional criterion for assessing glucose control because glycated hemoglobin values are free of day-to-day glucose fluctuation and are unaffected by exercise or food ingestion.

After a sudden alteration in blood glucose concentration, the rate of change of HbA1c is rapid during initial 2 months, followed by more gradual change approaching steady state 3 months later.

FASTING BLOOD SUGAR 93 mg/dl 70 - 110 mg/dl
Hexokinase

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TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
LIPID PROFILE TEST			
TOTAL CHOLESTEROL <i>Cholesterol Oxidase-Peroxidase (CHOD-POD)</i>	117 mg/dL	up to 200 mg/dL Border Line: 200 – 240 mg/dL High: > 240 mg/dL	
TRIGLYCERIDES <i>Glycerol Peroxidase-Peroxidase (GPO-POD)</i>	103 mg/dL	up to 150 mg/dL Desirable: <150 mg/dL Border Line: 150 – 200 mg/dL High: >200 – 500 mg/dL Very High: > 500 mg/dL	
HDL CHOLESTEROL - DIRECT <i>PEG-Cholesterol Esterase</i>	39.9 mg/dl	40 - 60 mg/dl >= 60mg/dL - Excellent (protects against heart disease) 40-59 mg/dL - Higher the better <40 mg/dL - Lower than desired (major risk for heart disease)	
LDL CHOLESTEROL - DIRECT <i>Cholesterol Esterase-Cholesterol Oxidase</i>	56.5 mg/dL	up to 100 mg/dL 100-129 mg/dL - Near optimal/above optimal 130-159 mg/dL - Borderline High 160-189 mg/dL - High 190->190 mg/dL - Very High	
VLDL CHOLESTEROL <i>Calculation</i>	20.6 mg/dL	2 - 30 mg/dL	

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TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
TOTAL CHOLESTROL/HDL RATIO <i>Calculation</i>	2.9	up to 3 3.0-4.4 - Moderate >4.4 - High	
LDL/HDL RATIO <i>Calculation</i>	1.4	up to 2.5 2.5-3.3 - Moderate >3.3 - High	

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TEST PARAMETER	RESULT	REFERENCE RANGE	SPECIMEN
<u>LIVER FUNCTION TEST (LFT)</u>			
TOTAL BILIRUBIN <i>Colorimetric Diazo Method</i>	0.40 mg/dL	0.2 - 1.2 mg/dL	
DIRECT BILIRUBIN <i>Colorimetric Diazo Method</i>	0.18 mg/dL	0 - 0.4 mg/dL	
INDIRECT BILIRUBIN <i>Calculation</i>	0.22 mg/dl		
S G O T (AST) <i>IFCC Without Pyridoxal Phosphates</i>	27.4 U/L	up to 31 U/L	
S G P T (ALT) <i>IFCC Without Pyridoxal Phosphates</i>	12.9 U/L	up to 46 U/L	
ALKALINE PHOSPHATASE <i>p-Nitrophenyl Phosphate</i>	52 U/L	36 - 113 U/L	
SERUM GAMMA GLUTAMYLTRANSFERASE (GGT) <i>GCNA-IFCC</i>	95.2 U/L	5 - 55 U/L	
TOTAL PROTEIN <i>Biuret Colorimetric</i>	6.5 g/dl	6.2 - 8 g/dl	
S.ALBUMIN <i>Bromocresol Green (BCG)</i>	4.2 g/dl	3.5 - 5.2 g/dl	
S.GLOBULIN <i>Calculation</i>	2.3 g/dl	2.5 - 3.8 g/dl	
A/G RATIO <i>Calculation</i>	1.8	1 - 1.5	
POST PRANDIAL BLOOD SUGAR <i>Hexokinase</i>	143 mg/dl	80 - 150 mg/dl	

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BLOOD UREA <i>UREASE-GLUTAMATE DEHYDROGENASE (GLDH)</i>	14.6 mg/dL	15 - 50 mg/dL	
CREATININE <i>Jaffe Kinetic</i>	0.6 mg/dL	0.4 - 1.4 mg/dL	
URIC ACID <i>Uricase-Peroxidase</i>	5.6 mg/dL	2.5 - 6 mg/dL	
SERUM ELECTROLYTES			
SODIUM <i>Ion Selective Electrode (ISE)</i>	139 mmol/L	136 - 145 mmol/L	
POTASSIUM <i>Ion Selective Electrode (ISE)</i>	4.1 mmol/L	3.5 - 5.2 mmol/L	
CHLORIDE <i>Ion Selective Electrode (ISE)</i>	103 mmol/L	97 - 111 mmol/L	

Dispatched by: NEVEDITHA

**** End of Report ****

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Dr. KRISHNA MURTHY
MD
BIOCHEMIST



Lab Seal

Dr. VAMSEEDHAR.A
D.C.P, M.D
CONSULTANT PATHOLOGIST

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Diagnosics & Speciality Centre

NAME	: Mrs. GEETHA G	MR / VISIT NO	: 21071709 / 137675
AGE/SEX	: 49 Yrs / Female	BILLED TIME	: 137675
REFERRED BY	:	BILL NO.	: 154261
REF CENTER	: MEDIWHEEL	DATE OF REPORT	: 23-07-2021 at 05:47 PM

MEDIWHEEL HEALTH CHECKUP FEMALE

ULTRASOUND WHOLE ABDOMEN AND PELVIS

LIVER: Liver is normal in size (13.5 cm) and shows increased echotexture. No focal lesions. Intrahepatic biliary radicles not dilated. Hepatic veins are normal. CBD & Portal vein normal.

GALL BLADDER: Normal in distension. Lumen echo free. Wall thickness is normal.

SPLEEN: Normal in size with normal homogenous echotexture. No focal lesion seen. Splenic vein is normal in caliber.

PANCREAS: Body and head appears normal. No focal lesion seen. Pancreatic duct not dilated. Tail not visualized.

RIGHT KIDNEY: Normal in size measuring 9.2 x 3.6 cm with normal echo pattern. Pelvi-calyceal system is not dilated. Parenchymal thickness measuring 1.4 cm. Corticomedullary differentiation is well maintained. No calculus seen. Cortical thickness is normal.

LEFT KIDNEY: Normal in size measuring 9.5 x 4.3 cm with normal echo pattern. Pelvi-calyceal system is not dilated. Parenchymal thickness measuring 1.5 cm. Corticomedullary differentiation is well maintained. No calculus seen. Cortical thickness is normal.

URINARY BLADDER: Normal in distension with normal wall thickness. Lumen echo free.

UTERUS: Anteverted bulky in size 9.5 x 4.1 x 5.2 cm with normal homogenous echotexture. No focal lesion seen. Endometrial and myometrial echoes are normal. Endometrium is normal measures 9.0 mm.

RIGHT OVARY: Not seen.

LEFT ADNEXA: Normal in appearance. No focal lesion seen. Left ovary measures 1.9 x 1.4 cm with normal echo pattern.

No evidence of free fluid in the pelvic or abdominal cavity.

IMPRESSION:

- Fatty liver.
- Bulky uterus.

Diagnostics & Speciality Centre

NAME:	MRS. GEETHA.G	DATE:	23-07-2021
AGE:	49 YEARS	ID. NO:	154261
GENDER:	FEMALE	REFERRED BY:	MEDIWHEEL

X-RAY CHEST PA VIEW

- The lung fields are clear bilaterally.
- CP angles are clear.
- Both the hila appear normal.
- Cardiac diameter is within normal limits.
- Trachea appears in mid line.
- Visible bony thoracic cage is normal.
- Adjacent soft tissues appears normal.

IMPRESSION:

- **NORMAL STUDY.**



Dr. NAVEEN. MDRD
CONSULTANT RADIOLOGIST