


Req.No : 449585  
 Name : Ms. MOHAMMED RESHMA ANJUM [178711]  
 R/O : ---  
 Age / Sex : 30 Years / Female  
 Bar Code : 

Referred By : SELF  
 Req Date/Time : 31/08/2021 /09:15  
 Sampling Date/Time : 31/8/2021 /09:17  
 Sample : EDTA Whole Blood  
 Centre : MEDIWHEEL

**HAEMATOLOGY**

**HAEMOGRAM WITH ESR**

TEST(Methodology)	RESULT	UNITS	BIOLOGICAL REFERENCE INTERVAL
HAEMOGLOBIN	L 10.3	g/dL	12.0 - 15.0
ERYTHROCYTE COUNT(RBC)	4.7	10 <sup>6</sup> /μL	3.8 - 4.8
PACKED CELL VOLUME (PCV)	L 32	%	36 - 46
MCV	L 69	fL	83 - 101
MCH	L 21.8	pg	27 - 32
MCHC	L 31.4	gm/dL	31.5 - 34.5
RDW	H 16.8	%	11.6 - 14.0
TOTAL WBC COUNT	9.2	10 <sup>3</sup> /μL	4 - 10

MEDIWHEEL FEMALE 30 YRS AND BELOW

**DIFFERENTIAL LEUCOCYTE COUNT**

NEUTROPHILS	56	%	40 - 80
LYMPHOCYTES	38	%	20 - 40
MONOCYTES	4	%	2 - 10
EOSINOPHILS	2	%	1 - 6
BASOPHILS	0	%	0 - 2
PLATELET COUNT	H 430	10 <sup>3</sup> /μL	150 - 400

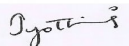
**PERIPHERAL SMEAR**


RBC Microcytic and Hypochromic. Anisocytosis +.  
 W.B.C Within normal limits.No abnormal cells seen.  
 PLATELETS. Thrombocytosis+.Normal in morphology  
 ESR I HOUR H 30 mm/hr 0 - 20

Note : Advised Serum Iron studies.

Method: Cell Counter (Photometry, Impedance, Light scattering, Calculation), Microscopy.

\*\*\*\* End of Report \*\*\*\*

  
 DR. JYOTHI KIRANMAI  
 MD PATHOLOGY

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Sampling Date/Time : 31/08/2021/09:17  
Sample : EDTA Whole Blood  
Centre : MEDIWHEEL

HAEMATOLOGY

TEST(Methodology)

RESULT

Method: Agglutination

BLOOD GROUPING & RH TYPING

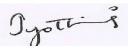
O POSITIVE


Note : Reconfirm the Blood Group and Rh Type & Cross-match before blood transfusion.

\*\*\*\* END OF REPORT \*\*\*\*

MEDIWHEEL FEMALE 30 YRS AND BELOW

Reported on : 31/08/2021/ 13:07  
Printed on : 01/09/2021/ 11:21

  
DR. JYOTHI KIRANMAI  
MD PATHOLOGY

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Age / Sex : 30 Years / Female  
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Referred By : SELF  
Registration : 31/08/2021 /09:15  
Sampling Date/Time : 31/08/2021 /09:17  
Sample : Fluoride Plasma  
Centre : MEDIWHEEL

**BIOCHEMISTRY**

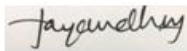
TEST(Methodology)	RESULT	UNITS	BIOLOGICAL REFERENCE INTERVAL
BLOOD GLUCOSE FASTING	H 105	mg/dL	<100 : Normal 100 - 125 : Impaired fasting glucose >125 : Diabetic


Method: GOD-PAP

\*\*\*\* End of Report \*\*\*\*

MEDIWHEEL FEMALE 30 YRS AND BELOW

Reported on : 31/08/2021 /16:45  
Printed on : 01/09/2021 /11:21

  
DR.JAYAVARDHAN. D  
(MD PATHOLOGY)

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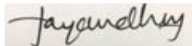
Referred By : SELF  
Req Date/Time : 31/08/2021 /09:15  
Sampling Date/Time : 31/08/2021 /09:17  
Sample : Urine  
Centre : MEDIWHEEL


CLINICAL PATHOLOGY

TEST(Methodology)	RESULT	BIOLOGICAL REFERENCE INTERVAL
Method: Reagent strip/Reflectance photometry		
URINE SUGAR (F)*	Nil	NIL

\*\*\*\* End of Report \*\*\*\*

Reported on : 31/08/2021 /16:45  
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(MD PATHOLOGY)

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Referred By : SELF  
 Req Date/Time : 31/08/2021 /09:15  
 Sampling Date/Time : 31/08/2021 /09:17  
 Sample : Serum  
 Centre : MEDIWHEEL

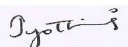
**BIOCHEMISTRY**


**LIPID PROFILE [FASTING SAMPLE]**

TEST(Methodology)	RESULT	UNITS	BIOLOGICAL REFERENCE INTERVAL
<b>CHOLESTEROL</b>			
TOTAL CHOLESTEROL Method: CHOD-PAP	186	mg/dL	Desirable Level: < 200 Borderline : 200 - 239 High : > 240
HDL CHOLESTEROL Method: Enzymatic Reaction	41	mg/dL	<40:Major risk factor for heart disease 40-59:The higher,the better >=60:Considered protective against heart disease.
LDL CHOLESTEROL Method: Calculated	131	mg/dL	<100
VLDL CHOLESTEROL Method: Calculated	14	mg/dL	10 - 55
TRIGLYCERIDES Method: GPO-POD	70	mg/dL	Normal:<150 Borderline:150-199 High:200-499 Very High:>=500
CHOL:HDL RATIO Method: Calculated	4.54		Normal : <4 Low risk : 4 - 6 High risk : >6
LDL:HDL RATIO. Method: Calculated	3.20		

\*\*\*\* End of Report \*\*\*\*

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 MD PATHOLOGY

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Referred By : SELF  
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 Sampling Date/Time : 31/08/2021 /09:17  
 Sample : Serum  
 Centre : MEDIWHEEL

**BIOCHEMISTRY**

**LIVER FUNCTION TEST 16 YEARS And ABOVE**

TEST(Methodology)	RESULT	UNITS	BIOLOGICAL REFERENCE INTERVAL
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**BILIRUBIN**

BILIRUBIN TOTAL Method: Diazo with Sulphanilic acid	0.32	mg/dL	0.3 - 1.2
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DIRECT BILIRUBIN Method: Diazo with sulphanilic acid	0.12	mg/dL	0.0 - 0.40
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INDIRECT BILIRUBIN Method: Calculated	0.20	mg/dL	
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SERUM SGPT(ALT) Method: IFCC without P5P	15	U/L	10 - 40
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SERUM SGOT(AST) Method: IFCC without P5P	18	U/L	10 - 40
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SERUM ALKALINE PHOSPHATASE Method: AMP-IFCC	86	U/L	30 - 115
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**PROTEINS**

Total Proteins Method: Biuret	7.42	g/dL	6.0 - 8.0
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ALBUMIN Method: Bromocresol Green (BCG)	4.23	G/dL	3.5 - 4.8
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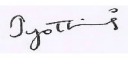
SERUM GLOBULIN Method: Calculated	3.19	g/dL	2.3 - 3.5
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A/G RATIO Method: Calculated	1.33		0.8 - 2.0
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SERUM GAMMA GT Method: IFCC-Enzymatic	16	U/L	7.0 - 50.0
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\*\*\*\* End of Report \*\*\*\*

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Registration : 31/08/2021 /09:15  
Sampling Date/Time : 31/08/2021 /09:17  
Sample : -  
Centre : MEDIWHEEL

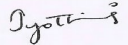
**BIOCHEMISTRY**


TEST(Methodology)	RESULT	UNITS	BIOLOGICAL REFERENCE INTERVAL
BLOOD UREA NITROGEN (B.U.N)* Method: Calculated	9.8	mg/dL	7 - 23
SERUM CREATININE Method: Alkaline picrate method	0.79	mg/dL	0.50 - 1.20
SERUM URIC ACID Method: Uricase(Peroxidase)	5.15	mg/dL	1.9 - 7.5

\*\*\*\* End of Report \*\*\*\*

MEDIWHEEL FEMALE 30 YRS AND BELOW

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Sample : -  
Centre : MEDIWHEEL

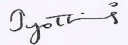
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SERUM URIC ACID Method: Uricase(Peroxidase)	5.15	mg/dL	1.9 - 7.5


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MEDIWHEEL FEMALE 30 YRS AND BELOW

Reported on : 31/08/2021 /12:14  
Printed on : 31/08/2021 /14:39

  
DR. JYOTHI KIRANMAI  
MD PATHOLOGY



Req.No : 449585  
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 R/o : - - -  
 Age / Sex : 30 Years / Female  
 Bar Code : 

Referred By : SELF  
 Registration : 31/08/2021 /09:15  
 Sampling Date/Time : 31/08/2021 /09:17  
 Sample : EDTA Whole Blood  
 Centre : MEDIWHEEL

**BIOCHEMISTRY**

TEST(Methodology)	RESULT	UNITS	BIOLOGICAL REFERENCE INTERVAL
Glycosylated Haemoglobin (Hb A1c)*	5.9	%	< 5.7% : Normal 5.7% - 6.4% : Prediabetes > 6.4% : Diabetes
Method: High Performance Liquid Chromatography (HPLC)			
MEAN PLASMA GLUCOSE (MPG) ESTIMATE*	123	mg/dL	Excellent control : 90 to 120 Good control : 121 to 150 Average control : 151 to 180 Panic value : > 211
Method: Derived from HBA1c			

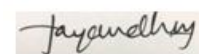
Note: Mean Plasma Glucose is calculated from HBA1c value and it indicates Average Blood Sugar level over the past three months.

**MEDIWHEEL FEMALE 30 YRS AND BELOW**

**INTERPRETATION :**


- Glycated hemoglobin (glycohemoglobin /HbA1c) is a form of hemoglobin (Hb) that is chemically linked to a sugar.
- A1c is measured primarily to determine the three-month average blood sugar level and can be used as a diagnostic test for diabetes mellitus and as an assessment test for glycemic control in people with diabetes.
- In diabetes, higher amounts of glycated hemoglobin, indicating poorer control of blood glucose levels, have been associated with cardiovascular disease, nephropathy, neuropathy, and retinopathy.
- American diabetes Association (ADA) recommends an A1C goal for many non-pregnant adults of < 7% (without significant hypoglycemia). On the basis of provider judgment and patient preference, achievement of lower A1C levels than the goal of 7% may be acceptable, and even beneficial, if it can be achieved safely without significant hypoglycemia or other adverse effects of treatment. Less stringent A1C goals (such as < 8%) may be appropriate for patients with severe hypoglycemia, extensive comorbid conditions etc, or where the harms of treatment are greater than the benefits.
- Glycemic goals for some older adults might reasonably be relaxed as part of individualized care, but hyperglycemia leading to symptoms or risk of acute hyperglycemia complications should be avoided in all patients.

\*\*\*\* End of Report \*\*\*\*



DR. JAYAVARDHAN. D  
 (MD PATHOLOGY)

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**Name** : Ms. MOHAMMED RESHMA ANJUM [178711] **Req Date/Time** : 31/08/2021 /09:15  
**R/O** : - - - **Sampling Date/Time** : 31/08/2021 /09:17  
**Age / Sex** : 30 Years / Female **Sample** : Urine  
**Bar Code** :  **Centre** : MEDIWHEEL

**CLINICAL PATHOLOGY**


**URINE ANALYSIS**

TEST(Methodology)	RESULT	UNITS	BIOLOGICAL REFERENCE INTERVAL
Metho Physical examination			
COLOUR	Yellow		LIGHT YELLOW
APPEARANCE	Clear		CLEAR
SP GRAVITY	1.010		1.003 - 1.030
pH	6.0		5.0 - 8.0
PROTEIN	Negative		NEGATIVE
GLUCOSE	Negative		NEGATIVE
UROBILINOGEN	Negative		0.2 - 1.0 mg% (Normal)
KETONE	Negative		NEGATIVE
BLOOD.	Negative		NEGATIVE
BILE SALT	Negative		NEGATIVE
BILE PIGMENT	Negative		NEGATIVE
<b>MICROSCOPIC EXAMINATION</b>			
PUS CELLS.	Nil	/hpf	0 - 5
RBCs	Nil	/hpf	0 - 2
EPITHELIAL CELLS	2 - 3	/hpf	0 - 8
CRYSTALS	Nil	/lpf	Nil
CASTS*	Nil	/lpf	Nil
OTHERS	Nil		Nil

\*\*\*\* END OF REPORT \*\*\*\*

Reported on : 31/08/20/ 12:57  
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 DR. JYOTHI KIRANMAI  
 MD PATHOLOGY

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**R/O** : - - - **Sampling Date/Time** : 31/08/2021 /09:17  
**Age / Sex** : 30 Years / Female **Sample** : Serum  
**Bar Code** :  **Centre** : MEDIWHEEL

IMMUNOASSAYS

**THYROID FUNCTION TEST (TOTAL)\***

TEST(Methodology)	RESULT	UNITS	BIOLOGICAL REFERENCE INTERVAL
Metho Enhanced chemiluminescence			
T3 (TRI - IODOTHYRONINE)*	1.18	ng/mL	0.970 - 1.69
T4 (THYROXINE)*	10.8	µg/dL	5.53 - 11.0
TSH (THYROID STIMULATING HORMONE)*	H 5.33	µIU/mL	0.465 - 4.68

Note: Change in method and reference range

NOTE:

TSH - Reference ranges during pregnancy:\*

1st Trimester : 0.10 - 2.50

2nd Trimester : 0.20 - 3.00

3dr Trimester : 0.30 - 3.00

\*As per the Guidelines of American Thyroid Association for the diagnosis and management of thyroid disease during pregnancy and post partum.

1.Primary Hyperthyroidism is accompanied by elevated T3 & T4 values along with depressed TSH level.

2.Primary Hypothyroidism is accompanied by depressed T3 & T4 levels and elevated TSH levels.

3.Normal T4 levels accompanied by high T3 levels are seen in patients with T3 Thyrotoxicosis.

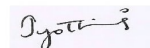
4.Slightly elevated T3 levels may be found in pregnancy and estrogen therapy, while depressed levels may be encountered in severe illness, malnutrition, renal failure and during therapy with drugs like propranolol and propylthiouracil.

5.Although elevated TSH levels are nearly always indicative of primary hypothyroidism, rarely they can result form TSH secreting pituitary tumors(secondary).

\*\*\*\* END OF REPORT \*\*\*\*

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