HAEMATOLOGY

HAEMOGRAM WITH ESR

TEST(Methodology)		RESULT	UNITS	BIOLOGICAL REFERENCE INTERVAL
HAEMOGLOBIN		17.0	g/dL	13.0 - 17.0
ERYTHROCYTE COUNT(RBC)	H	7.3	10^6/μL	4.5 - 5.5
PACKED CELL VOLUME (PCV)	H	55	%	40 - 50
MCV	L	76	fL	83 - 101
MCH	L	23.2	pg	27 - 32
MCHC	L	30.7	gm/dL	31.5 - 34.5
RDW	H	17.7	%	11.6 - 14.0
TOTAL WBC COUNT		6.9	10^3/μL	4 - 10

DIFFERENTIAL LEUCOCYTE COUNT
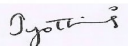
NEUTROPHILS		55	%	40 - 80
LYMPHOCYTES	H	41	%	20 - 40
MONOCYTES		2	%	2 - 10
EOSINOPHILS		2	%	1 - 6
BASOPHILS		0	%	0 - 2
PLATELET COUNT		220	10^3/μL	150 - 400

PERIPHERAL SMEAR

RBC	Normocytic and Normochromic
W.B.C	Relative Lymphocytosis.No abnormal cells seen.
PLATELETS.	Discrete and adequate.Normal in morphology
ESR I HOUR	02 mm/hr 0 - 10

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

**** End of Report ****

DR. JYOTHI KIRANMAI
MD PATHOLOGY

Req.No	: **456765**	**Referred By**	: **SELF**
Name	: **Mr. B S SRINIVAS**	**Req Date/Time**	: 02/10/2021 /09:18
R/O	: -- -	**Sampling Date/Time**	: 02/10/2021 /09:19
Age / Sex	: **32 Years / Male**	**Sample**	: EDTA Whole Blood
Bar Code	: ‖‖‖‖‖‖‖‖‖‖‖	**Centre**	: MEDIWHEEL

HAEMATOLOGY

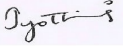| **TEST(Methodology)**	**RESULT**
Method: Agglutination	
BLOOD GROUPING & RH TYPING	B POSITIVE

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

**** END OF REPORT ****

MEDIWHEEL MALE ABOVE 30 YRS

Reported on	: 02/10/2021/ 12:14
Printed on	: 04/10/2021/ 10:06

DR. JYOTHI KIRANMAI
MD PATHOLOGY

Req.No	: 456765		Referred By	: SELF
Name	: Mr. B S SRINIVAS		Registration	: 02/10/2021 /09:18
R/o	: -- -		Sampling Date/Time	: 02/10/2021 /12:48
Age / Sex	: 32 Years / Male		Sample	: Fluoride Plasma
Bar Code	: ‖‖‖‖‖‖‖‖‖‖‖		Centre	: MEDIWHEEL
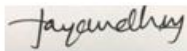
BIOCHEMISTRY

TEST(Methodology)		RESULT	UNITS	BIOLOGICAL REFERENCE INTERVAL
BLOOD GLUCOSE FASTING	H	134	mg/dL	<100 : Normal 100 - 125 : Impaired fasting glucose >125 : Diabetic
Method: GOD-PAP				
BLOOD GLUCOSE POST PRANDIAL	H	205	mg/dL	90-140 : Normal 141-199 : Impaired glucose tolerance >=200 : Diabetic
Method: GOD-PAP				

**** End of Report ****

MEDIWHEEL MALE ABOVE 30 YRS

DR.JAYAVARDHAN. D
(MD PATHOLOGY)

Reported on : 02/10/2021 /15:43
Printed on : 04/10/2021 /10:06
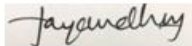
CLINICAL PATHOLOGY

TEST(Methodology)	RESULT	BIOLOGICAL REFERENCE INTERVAL
Method: Reagent strip/Reflectance photometry		
URINE SUGAR (F)*	Nil	NIL
URINE SUGAR (PP)*	0.5 G%	NIL

**** End of Report ****

Reported on : 02/10/2021 /15:42
Printed on : 04/10/2021 /10:06

Jayavardhay
DR.JAYAVARDHAN. D
(MD PATHOLOGY)

Req.No	: 456765	Referred By	: SELF
Name	: Mr. B S SRINIVAS	Req Date/Time	: 02/10/2021 /09:18
R/O	: -- -	Sampling Date/Time	: 02/10/2021 /09:19
Age / Sex	: 32 Years / Male	Sample	: Serum
Bar Code	:	Centre	: MEDIWHEEL
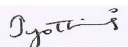
BIOCHEMISTRY

LIPID PROFILE [FASTING SAMPLE]

TEST(Methodology)		RESULT	UNITS	BIOLOGICAL REFERENCE INTERVAL
CHOLESTEROL				
TOTAL CHOLESTEROL Method: CHOD-PAP		216	mg/dL	Desirable Level: < 200 Borderline : 200 - 239 High : > 240
HDL CHOLESTEROL Method: Enzymatic Reaction		34	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		146	mg/dL	<100
VLDL CHOLESTEROL Method: Calculated		36	mg/dL	10 - 55
TRIGLYCERIDES Method: GPO-POD	H	179	mg/dL	Normal:<150 Borderline:150-199 High:200-499 Very High:>/=500
CHOL:HDL RATIO Method: Calculated		6.35		Normal : <4 Low risk : 4 - 6 High risk : >6
LDL:HDL RATIO. Method: Calculated		4.29		

**** End of Report ****

Reported on   : 02/10/2021 /12:27

Printed on   : 04/10/2021 /10:06

DR. JYOTHI KIRANMAI
MD PATHOLOGY

BIOCHEMISTRY

LIVER FUNCTION TEST 16 YEARS And ABOVE

TEST(Methodology)		RESULT	UNITS	BIOLOGICAL REFERENCE INTERVAL
BILIRUBIN				
BILIRUBIN TOTAL Method: Diazo with Sulphanilic acid		1.10	mg/dL	0.3 - 1.2
DIRECT BILIRUBIN Method: Diazo with sulphanilic acid		0.35	mg/dL	0.0 - 0.40
INDIRECT BILIRUBIN Method: Calculated		0.75	mg/dL	
SERUM SGPT(ALT) Method: IFCC without P5P	H	103	U/L	10 - 40
SERUM SGOT(AST) Method: IFCC without P5P	H	62	U/L	10 - 40
SERUM ALKALINE PHOSPHATASE Method: AMP-IFCC		55	U/L	30 - 115
PROTEINS				
Total Proteins Method: Biuret		7.37	g/dL	6.0 - 8.0
ALBUMIN Method: Bromocresol Green (BCG)		4.43	G/dL	3.5 - 4.8
SERUM GLOBULIN Method: Calculated		2.94	g/dL	2.3 - 3.5
A/G RATIO Method: Calculated		1.51		0.8 - 2.0
SERUM GAMMA GT Method: IFCC-Enzymatic	H	88	U/L	7.0 - 50.0
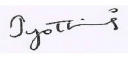
**** End of Report ****

Reported on   : 02/10/2021 /13:52

Printed on   : 04/10/2021 /10:06

DR. JYOTHI KIRANMAI
MD PATHOLOGY

BIOCHEMISTRY

TEST(Methodology)	RESULT	UNITS	BIOLOGICAL REFERENCE INTERVAL
BLOOD UREA NITROGEN (B.U.N)* Method: Calculated	8.0	mg/dL	7 - 23
SERUM CREATININE Method: Alkaline picrate method	1.04	mg/dL	0.60 - 1.30
SERUM URIC ACID Method: Uricase(Peroxidase)	7.23	mg/dL	2.5 - 8.0

**** End of Report ****

MEDIWHEEL MALE ABOVE 30 YRS

DR. JYOTHI KIRANMAI
MD PATHOLOGY

Reported on   **:** 02/10/2021 / 12:51
Printed on   **:** 04/10/2021 / 10:06

Req.No	: 456765	Referred By	: SELF
Name	: Mr. B S SRINIVAS	Registration	: 02/10/2021 /09:18
R/o	: -- -	Sampling Date/Time	: 02/10/2021 /12:48
Age / Sex	: 32 Years / Male	Sample	: -
Bar Code	: ||||||||||||||	Centre	: MEDIWHEEL

BIOCHEMISTRY

TEST(Methodology)	RESULT	UNITS	BIOLOGICAL REFERENCE INTERVAL
BLOOD UREA NITROGEN (B.U.N)* Method: Calculated	8.0	mg/dL	7 - 23
SERUM CREATININE Method: Alkaline picrate method	1.04	mg/dL	0.60 - 1.30
SERUM URIC ACID Method: Uricase(Peroxidase)	7.23	mg/dL	2.5 - 8.0

**** End of Report ****

MEDIWHEEL MALE ABOVE 30 YRS

Reported on : 02/10/2021 /12:51
Printed on : 02/10/2021 /14:23

DR. JYOTHI KIRANMAI
MD PATHOLOGY

Req.No	: 456765		Referred By	: SELF
Name	: Mr. B S SRINIVAS		Registration	: 02/10/2021 /09:18
R/o	: -- -		Sampling Date/Time	: 02/10/2021 /12:48
Age / Sex	: 32 Years / Male		Sample	: EDTA Whole Blood
Bar Code	: ‖‖‖‖‖‖‖‖‖‖‖		Centre	: MEDIWHEEL

BIOCHEMISTRY

TEST(Methodology)	RESULT	UNITS	BIOLOGICAL REFERENCE INTERVAL
Glycosylated Haemoglobin (Hb A1c)* Method: High Performance Liquid Chromatography (HPLC)	6.3	%	< 5.7% : Normal 5.7% - 6.4% : Prediabetes > 6.4% : Diabetes
MEAN PLASMA GLUCOSE (MPG) ESTIMATE* Method: Derived from HBA1c	134	mg/dL	Excellent control : 90 to 120 Good control : 121 to 150 Average control : 151 to 180 Panic value : > 211

Note:Mean Plasma Glucose is caluculated from HBA1c value and it indicates Average Blood Sugar level over the past three months.
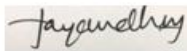
MEDIWHEEL MALE ABOVE 30 YRS

INTERPRETATION :
1.Glycated hemoglobin(glycohemoglobin /HbA1c) is a form ofhemoglobin(Hb) that is chemically linked to a sugar.
2.A1c is measured primarily to determine the three-month averageblood sugar leveland can be used as a diagnostic test fordiabetes mellitusand as an assessment test for glycemic control in people with diabetes.
3.In diabetes, higher amounts of glycated hemoglobin, indicating poorer control of blood glucose levels, have been associated withcardiovascular disease,nephropathy,neuropathy, andretinopathy.
4. 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 co morbid conditions etc, or where the harms of treatment are greater than the benefits.
5. 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 ****

Jayavardhan
DR.JAYAVARDHAN. D
(MD PATHOLOGY)

Reported on : 02/10/2021 /15:43
Printed on : 04/10/2021 /10:06

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	5.0		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
MICROSCOPIC EXAMINATION			
PUS CELLS.	Occasional	/hpf	0 - 5
RBCs	Nil	/hpf	0 - 2
EPITHELIAL CELLS	Nil	/hpf	0 - 8
CRYSTALS	Nil	/lpf	Nil
CASTS*	Nil	/lpf	Nil
OTHERS	Nil		Nil

**** END OF REPORT ****

Reported on : 02/10/20 / 12:33
Printed on   : 04/10/20 / 10:06

DR. JYOTHI KIRANMAI
MD PATHOLOGY

Req.No	: 456765	Referred By	: SELF
Name	: Mr. B S SRINIVAS	Req Date/Time	: 02/10/2021 /09:18
R/O	: -- -	Sampling Date/Time	: 02/10/2021 /09:19
Age / Sex	: 32 Years / Male	Sample	: Serum
Bar Code	: ‖‖‖‖‖‖‖‖‖	Centre	: MEDIWHEEL

IMMUNOASSAYS

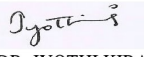| TEST(Methodology)	RESULT	UNITS	BIOLOGICAL REFERENCE INTERVAL
Method: Enhanced chemiluminescence			
PROSTATE SPECIFIC ANTIGEN TOTAL*	0.47	ng/mL	0 - 3.9

Interpretation:

1.Prostate specific antigen (PSA) is a glycoprotein that is expressed by both normal and neoplastic prostate tissue

2.Elevated serum PSA concentrations are found in men with prostate cancer, benign prostatic hyperplasia (BPH) or inflammatory conditions of other adjacent genitourinary tissues. PSA can also be elevated after digital rectal examination,prostatic massage,cystoscopy,needle biopsy etc

3.Measurement of serum PSA by itself is not recommended as a screening procedure for the diagnosis of cancer because elevated PSA levels are also observed in patients with benign prostatic hyperplasia.

4. When employed for the management of prostate cancer patients, serial measurement of PSA is useful in detecting residual tumor and recurrent cancer after radical prostatectomy.

5.PSA has been demonstrated to be an accurate marker for monitoring advanced clinical stage in untreated patients and for monitoring response to therapy by radical prostatectomy, radiation therapy and anti-androgen therapy.

MEDIWHEEL MALE ABOVE 30 YRS

**** End of Report ****

Reported on	: 02/10/2021 / 11:19	DR. JYOTHI KIRANMAI
Printed on	: 04/10/2021 / 10:06	MD PATHOLOGY

IMMUNOASSAYS

THYROID FUNCTION TEST (TOTAL)*

TEST(Methodology)		RESULT	UNITS	BIOLOGICAL REFERENCE INTERVAL
Metho Enhanced chemiluminescence				
T3 (TRI - IODOTHYRONINE)*	H	1.85	ng/mL	0.970 - 1.69
T4 (THYROXINE)*		10.5	µg/dL	5.53 - 11.0
TSH (THYROID STIMULATING HORMONE)*		0.93	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.
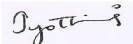4.Slightly elevated T3 levels may be found in pregnancy and estrogen therapy, while depressed levels may be encountered in severe illness, malnutrition, renal failure and during therapy with drugs like propanolol and propylthiouracil.
5.Although elevated TSH levels are nearly always indicative of primary hypothyroidism, rarely they can result form TSH secreting pituitary tumors(secondary).

**** END OF REPORT ****

Reported on : 02/10/20 / 11:19
Printed on : 04/10/20 / 10:06

DR. JYOTHI KIRANMAI
MD PATHOLOGY