

Patient Name : **MR. DEEPAK JAMBHAVADEKAR**  
Patient ID : PKG10000236  
Age / Sex : 42 years / Male  
Referred by : MEDIWHEEL  
Bill ID : 60084

Collected : Mar 12, 2022, 04:14 p.m.  
Reported : Mar 13, 2022, 11:38 a.m.  
Sample ID :



Test Description	Results	Units	Biological Reference Range
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**ULTRASENSITIVE THYROID STIMULATING HORMONE (TSH)**

Sample Type : Serum

<b>Ultrasensitive Thyroid Stimulative Hormone (TSH)</b> [ CLIA ]	1.61	$\mu$ IU/mL	0.3 - 4.5 1st trimester - 0.1 - 2.5 $\mu$ IU/mL 2nd trimester - 0.2 - 3 $\mu$ IU/mL 3rd trimester - 0.3 - 3 $\mu$ IU/mL
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**Clinical Significance :-**

1. Serum TSH concentrations exhibit a diurnal variation with the peak occurring during the night.
2. Useful for: Screening for thyroid dysfunction and detecting mild (subclinical), as well as overt, primary hypo- or hyperthyroidism in ambulatory patients.
3. Monitoring patients on thyroid replacement therapy.
4. Confirmation of thyroid-stimulating hormone (TSH) suppression in thyroid cancer patients on thyroxine suppression therapy.
5. Prediction of thyrotropin-releasing hormone-stimulated TSH response.

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



**Dr. Sudhamani S. MD**  
Consultant Pathologist  
Reg. No. : 90461

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**TOTAL THYROXINE ( T4 )**

Sample Type : Serum

Total Thyroxine ( T4 ) [ CLIA ]	65.22	ng/ml	52 - 127
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**\*\*END OF REPORT\*\***



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**TOTAL TRIIODOTHYRONINE (T3)**

Sample Type : Serum

TotalTriiodothyronine (T3) [ CLIA ]	1.61	ng/dL	0.69 - 2.15
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**\*\*END OF REPORT\*\***

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Test Description	Results	Units	Biological Reference Range
<b><u>ESR</u></b>			
Sample Type : EDTA / Whole Blood			
ESR	15	Mm/hr	0 - 15
Method	Westergren		

\*\*END OF REPORT\*\*



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**COMPLETE BLOOD COUNT**

Sample Type : EDTA / Whole Blood

Hemoglobin	14.7	g/dl	13.0 - 17.0
RBC COUNT	<b>5.53</b>	Millions/c	4.5 - 5.5
PCV(Hematocrit)	48.0	%	40.0 - 50.0
Mean Cell Volume(MCV)	86.80	fl	80.0 - 100.0
Mean Cell Hemoglobin(MCH)	<b>26.58</b>	pg	27.0 - 33.0
Mean Cell Hb Conc(MCHC)	<b>30.63</b>	g/dl	32 - 36
RDW	<b>16.2</b>	%	11.50 - 14.50
Total Leucocytes (WBC) Count	6590	/cumm	4000-11000

**DIFFERENTIAL COUNT**

Neutrophils	48.5	%	40 - 70
Lymphocytes	41.4	%	20 - 50
Eosionphils	4.4	%	01 - 06
Monocytes	5.4	%	00 - 08
Basophils	0.30	%	00-01

**SMEAR STUDY**

RBC Morphology	Normocytic Normocromic.		
WBC Morphology	No E/o Toxic granules seen		
Platelets On Smear	Adequate on Smear		
Platelet Count	271000	/cumm	150000 - 450000
MPV	9.4	fL	6.5 - 10.0

**Comments :-****Method:-**

HB:-Colorimetric, Total WBC:-Impedance/Flow Cytometry, HCT, MCV, MCH, MCHC, RDW-CV:-Calculate, Diff. Count: Flow Cytometry / Manual Stained Smear Microscopy, RBC: Impedance, Platelets : Impedance Method.

**Technique :-**

Fully Automated 5 part Diff. Cell Counter .

All Test Results are subjected to stringent international External and Internal Quality Control Protocols

\*\*END OF REPORT\*\*



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**CREATININE**

Sample Type : Serum

**Creatinine**

0.98

mg/dl

0.40 - 1.40

[ Enzymatic ]

Formula

Technique :-

Done On Fully Automated Biochemistry Analyser ERBA EM-200

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

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**BLOOD UREA LEVEL ( BUL )**

Sample Type : Serum

<b>Urea</b>	24.31	mg/dl	10 - 40
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[ Urease - GLDH ]

<b>Bun</b>	11.35	mg/dl	6 - 21
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[ Calculated ]

Technique :- Done On Fully Automated Biochemistry Analyser ERBA EM-200

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

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**SR. URIC ACID**

Sample Type : Serum

<b>Uric Acid</b> [ Uricase - POD ]	5.6	mg/dl	3.6 - 7.7
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Technique :- Done On Fully Automated Biochemistry Analyser ERBA EM-200.

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

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**LIVER FUNCTION TEST**

Sample Type : Serum

TOTAL BILIRUBIN [ DIAZO ]	1.14	mg/dl	0.3-1.3 mg/dl
BILIRUBIN-DIRECT [ DIAZO ]	0.25	mg/dl	0.1-0.4 mg/dl
BILLIRUBIN-INDIRECT [ CALCULATED ]	0.89	mg/dl	0.1-0.9 mg/dl
S.G.O.T. (AST) [ IFCC without Pyridoxal Phosphate ]	26.11	IU/L	5-40 IU/L
S.G.P.T.(ALT) [ IFCC without Pyridoxal Phosphate ]	24.00	IU/L	5-40 IU/L
ALKALINE PHOSPHATASE [ Amino Methyl Propanol (AMP) ]	103	IU/L	44-147 IU/L
TOTAL PROTEINS [ BIURET ]	7.65	IU/L	6.0 - 8.5g/dL
ALBUMIN [ BROMO CRESOL GREEN (BCG) ]	4.00	g/dl	3.5-5.0 g/dl
GLOBULIN [ CALCULATED ]	3.65	gm%	2.3-3.5 gm%
ALBUMIN/GLOBULIN RATIO [ CALCULATED ]	1.10		
GAMMA GT	16.43	U/L	0 - 45

Technique : Fully Automated Biochemistry Analyser ERBA EM-200

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

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**URINE ANALYSE REPORT**

Sample Type : Urine

**PHYSICAL EXAMINATION**

COLOUR	Pale Yellow		
APPEARANCE	Clear		
REACTION (PH)	7.0		4.8 - 7.6
SPECIFIC GRAVITY	1.005		1.010 - 1.030
ALBUMIN	Absent		
GLUCOSE	Absent		
BLOOD (U)	Absent		
BILE PIGMENTS	Negative		
BILE SALTS	Absent		
KETONE	Negative		
LEUKOCYTES	Absent		
NITRITE	Absent		
UROBILINOGEN	Negative		

**MICROSCOPY**

PUS CELLS/hpf	1-2		
RBCs/hpf	Absent		
EPI.CELLS/hpf	1-2		
CASTS	Absent		
CRYSTALS	Absent		
BACTERIA	Absent		
Other	Absent		

\*\*END OF REPORT\*\*



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Test Description	Results	Units	Biological Reference Range
<b><u>GLYCOCYLATED HAEMOGLOBIN</u></b>			
Sample Type : EDTA / Whole Blood			
Glycylated Haemoglobin (HbA1c) [ Tosoh HPLC ]	5.6	%	<5.7%NON DIABETIC 5.7-6.4% PRE-DIABETIC >6.5% DIABETIC <7.0% GOAL FOR DIABETIC ON TREATMENT
MEAN BLOOD GLUCOSE	114.02	mg/dL	116.89 - 154.2

\*\*END OF REPORT\*\*



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**LIPID PROFILE**

Sample Type : Serum

TOTAL CHOLESTEROL [ CHOD-PAP ]	175.00	mg/dL	Desirable : <200 mg/dl Borderline : 200 - 239mg/dl High : >240 mg/dl
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TRIGLYCERIDES [ Glycerol Phosphate Oxidase ]	91.25	mg/dL	Desirable : <150 mg/dl Borderline : 150 - 199mg/dl High : >200mg/dl
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HDL CHOLESTEROL [ Direct ]	48.21	mg/dL	Desirable : >40 mg/dl Borderline Risk : 35 mg/dl High Risk : <30 mg/dl
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LDL CHOLESTEROL [ Calculated ]	<b>108.54</b>	mg/dL	Desirable : <100 mg/dl Borderline : 130 - 160mg/dl High : >160mg/dl
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VLDL Cholesterol [ Calculated ]	18.25	mg/dL	Desirable : <26 mg/dl Borderline : >30 mg/dl
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Total Chol / HDL Chol Ratio [ Calculated ]	3.63	mg/dL	Desirable : <5 %
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LDL / HDL Ratio [ Calculated ]	2.25		1.00 - 3.55
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NON-HDL CHOLESTEROL [ Calculated ]	126.79	mg/dL	Desirable : <130 mg/dl Borderline : 160 - 189 mg/dl High : >220 mg/dl
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**Technique:** Fully Automated Biochemistry Analyser ERBA EM-200.

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

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**BLOOD GROUP**

Sample Type : EDTA / Whole Blood

ABO Grouping

"A"

Rh Grouping

POSITIVE

**Note:**

These report is for information purpose only. Blood group needs to be reconfirmed at the time of cross matching for blood transfusion.

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

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**POST PRANDIAL BLOOD SUGAR**

Sample Type : Flouride PP

Post Prandial Blood Sugar [ GOD - POD ]	124.00	mg/dl	110-180
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Technique :- Done On Fully Automated Biochemistry Analyser ERBA EM-200

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

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Test Description	Results	Units	Biological Reference Range
<b><u>FASTING BLOOD SUGAR</u></b>			
Sample Type : Flouride R			
Fasting Blood Sugar [ GOD - POD ]	98.00	mg/dl	Normal : 70 - 99 mg/dl impaired Tolerance : 100 - 125mg/dl Diabetes Mellitus : >126 mg/dl
Technique :-	Fully Automated Biochemistry Analyser ERBA EM-200		

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



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