



OUT PATIENT DEPARTMENT



Patient Name : Mr. MALLAIAH  
Age/Gender : 58Years, 0Months / MALE  
Mobile : 9505713157

UMR No : 392407001312  
Bill No : HC392407001312  
Bill Dt. : 27-Jul-2024  
Valid upto:

**MEDICOVER**  
**HOSPITALS**

Visit Type :

A UNIT OF SAHRUDAYA HEALTHCARE PVT LTD.

Height	:		cms
Weight	:	82.5	kg
BMI	:		kg/m2
TEMP	:	(N)	F
Pulse Rate	:	86	bmp
Resp. Rate	:		bmp
BP	:	130/80	mm / Hg
Pain Score	:		
Nutritional Status	:		
SPO2	:	97	%
GRBS	:		mg/dl

Coun for surgery

Renovo TADY

Rx:

T2DM  
HTN

V & U - 13.9 liter  
↑ Echocardiogram

FBS - 244  
PCBS - 368  
HbA1c - 9.8  
VLD - 15.8  
VLDL - 180

R<sub>1</sub>

① Tab. Genu V 1. BP (B/F) x ② Weeks

1 — x — 1  
8AM 9PM

② Tab. LOBG 0.524 (B/F)

x — 1 — x  
2PM

③ R<sub>1</sub> ② weeks.

④ Tab. Neurokin-B3 (B/F) — ① month

x — 1 — x  
2PM

① Daily

Rate 93  
 PR 184  
 QRS 100  
 QT 352  
 QTc 438

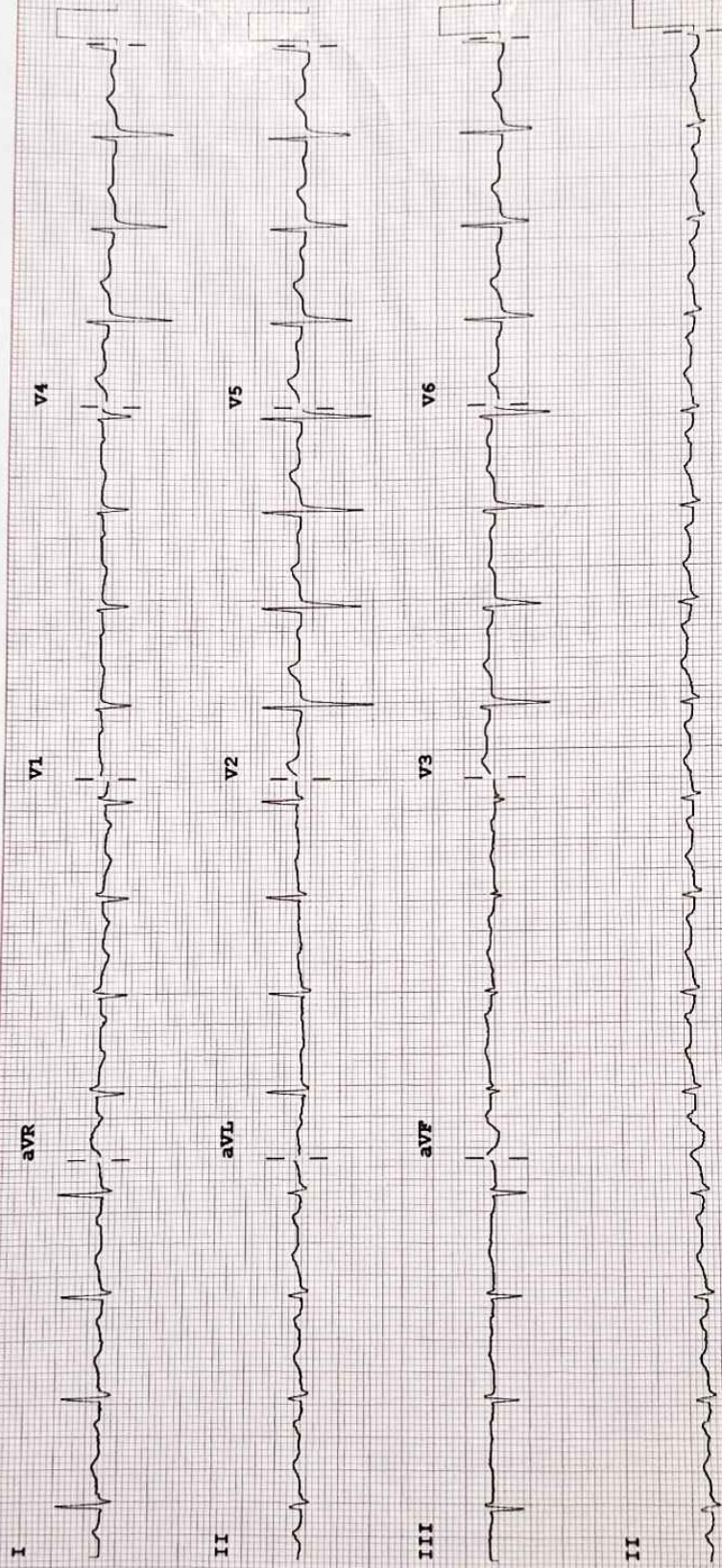
--AXIS--  
 P 46  
 QRS -18  
 T 38

12 Lead; Standard Placement

- . Age not entered, assumed to be 50 years old for purpose of ECG interpretation
- . Sinus rhythm.....normal P axis, V-rate 50-99
- . Borderline left axis deviation.....QRS axis (-15,-29)
- . Abnormal R-wave progression, late transition.....QRS area<0 in V5/V6

- OTHERWISE NORMAL ECG -

Unconfirmed Diagnosis



Device: F 60~ 0.15-100 Hz PHI00B CL? P?

Speed: 25 mm/sec Limb: 10 mm/mV Chest: 10.0 mm/mV

**MEDICOVER HOSPITALS**  
BESIDE LIC OF INDIA, YELLAMMAGUTTA, NIZAMABAD

**2D-ECHOCARDIOGRAM**

Date: 27-07-2024

Patient Name:  
MALLAIAH

Age:  
58 Y

Gender:  
Male

MITRAL VALVE Normal  
AORTIC VALVE Normal  
PULMONARY VALVE Normal  
TRICUSPID VALVE Normal  
LEFT ATRIUM Normal

LEFT VENTRICLE Normal  
LVIDd 4.69 cm, LVIDs 3.20 cm, LVEF 60 %  
IVSd 1.30 cm, PWd 1.40 cm

LV RWMA None  
INTERATRIAL SEPTUM Intact  
RIGHT ATRIUM Normal  
RIGHT VENTRICLE Normal  
PULMONARY ARTERY Normal  
IVC/CS Normal  
PERICARDIUM Normal  
INTRACARDIAC MASSES NIL

MITRAL FLOW

**DOPPLER MEASUREMENTS**

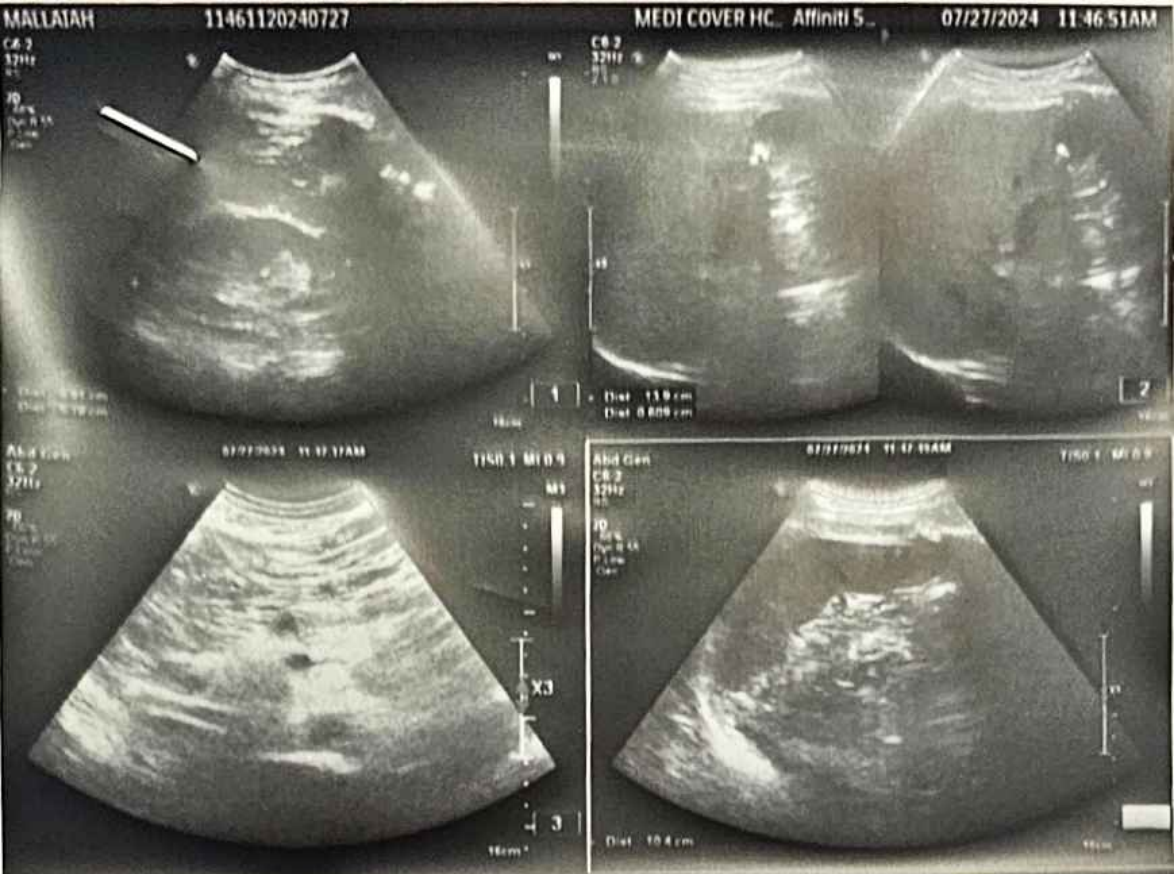
E: 0.92 m/sec      A: 0.69 m/sec      EDT: 142 millisec  
AJV: 1.1 m/sec      PJV: 1.10 m/sec      TRJV:      m/sec  
Gradient:           PPG:      mm Hg      MPG:      mm Hg

TR                      MR                      AR                      PR  
Mild (+)              Mild (+)

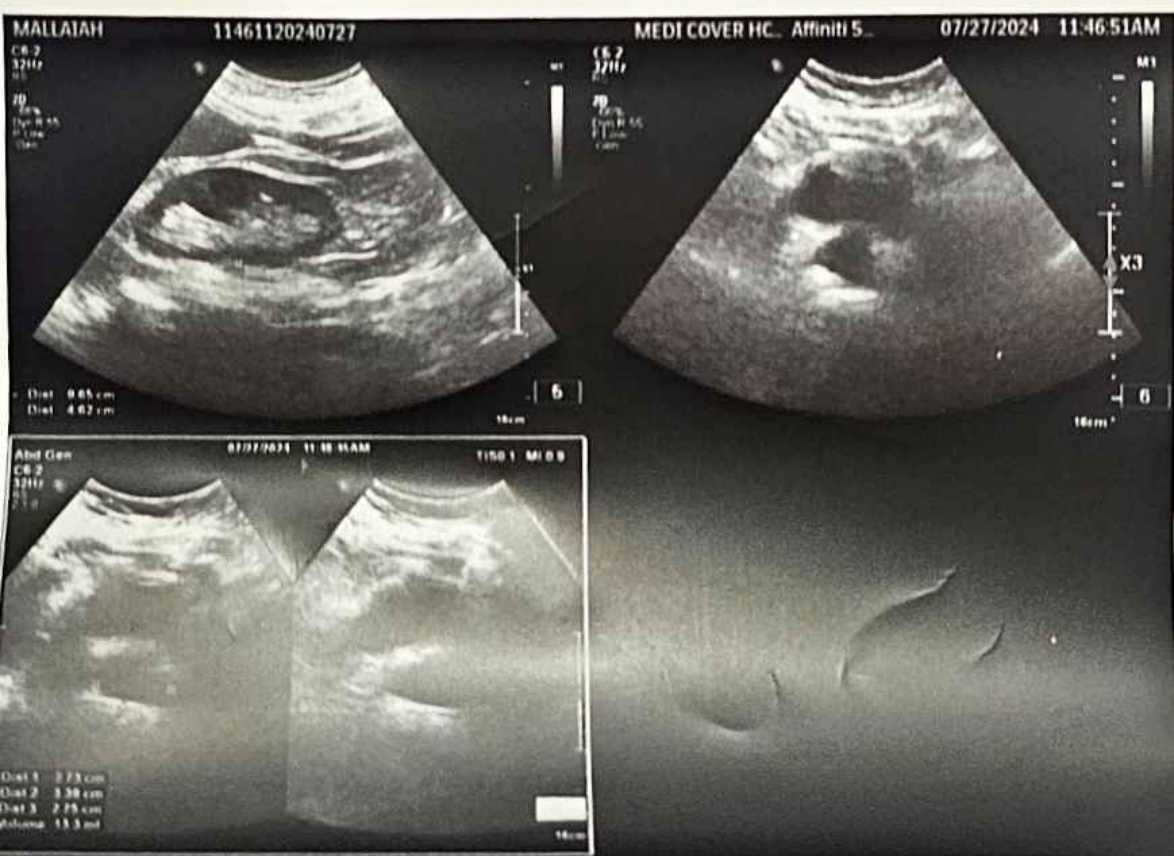
**IMPRESSION**

CONCENTRIC LVH+  
NO LV RWMA ; MILD MR/ MILD TR/ NO PAH  
GOOD LV/RV SYSTOLIC FUNCTION  
GRADE-I LV DIASTOLIC DYSFUNCTION

**DR O SANDEEP RAO**  
MBBS, MD, DNB CARDIOLOGY  
CONSULTANT INTERVENTIONAL CARDIOLOGIST



LIVER







**MEDICOVER**

**LABORATORY REPORT : HAEMATOLOGY HOSPITALS**

<b>Name</b>	: Mr. MALLAIAH	<b>Age /Sex</b>	: A UNITS / F / 45 / 1985
<b>Bill Date</b>	: 27-Jul-2024 09:21 AM	<b>UMR No.</b>	: 392407001248
<b>Rec. Dt</b>	: 27-Jul-2024 10:42 AM	<b>Bill No.</b>	: MCB39240701817
<b>Rept. Dt</b>	: 27-Jul-2024 12:39 PM	<b>Result No</b>	: RZB240703114
<b>Ref By</b>	: Dr. J Dattu Raj	<b>Sample ID</b>	: MCNNB6003967
<b>Sample Type</b>	:		

**CBP(COMPLETE BLOOD PICTURE)**

<u>Parameters</u>	<u>Result</u>	<u>Referral Ranges</u>	<u>Units</u>
<b>HEMOGLOBIN</b> <i>Photometric</i>	18.0 *	13.0 - 17.0	gms/dL
<b>R B C COUNT</b> <i>Electrical Impedance</i>	5.6 *	4.5 - 5.5	10 <sup>12</sup> /L
<b>PCV/HCT</b> <i>Calculated</i>	51.0 *	40 - 50	%
<b>MCV</b> <i>Calculated</i>	90	83 - 101	fL
<b>MCH</b> <i>Calculated</i>	31.9	27 - 32	pg
<b>MCHC</b> <i>Calculated</i>	35.3	31 - 37	g/dL
<b>TLC (TOTAL LEUCOCYTE COUNT)</b> <i>Impedance</i>	6.0	4.0 - 10.0	10 <sup>3</sup> /µl

**DIFFERENTIAL COUNT**

<b>NEUTROPHILS</b> <i>DHSS/Microscopy</i>	64	40 - 80 %
<b>LYMPHOCYTES</b> <i>DHSS/Microscopy</i>	26	20 - 40 %
<b>MONOCYTES</b> <i>DHSS/Microscopy</i>	08	02 - 10 %
<b>EOSINOPHILS</b> <i>DHSS/Microscopy</i>	02	00 - 06 %

*Priyanka*

Priyanka D K

**MBBS, MD CONSULTANT PATHOLOGIST**



**MEDICOVER**

**LABORATORY REPORT : HAEMATOLOGY HOSPITALS**

<b>Name</b>	: Mr. MALLAIAH	<b>Age /Sex</b>	: 58 Y (M)	<b>UNIT OF CARE</b>	: A UNIT OF SRI MADHYA HEALTHCARE PVT LTD.
<b>Bill Date</b>	: 27-Jul-2024 09:21 AM	<b>UMR No.</b>	: 392407001248		
<b>Rec. Dt</b>	: 27-Jul-2024 10:42 AM	<b>Bill No.</b>	: MCB39240701817		
<b>Rept. Dt</b>	: 27-Jul-2024 12:39 PM	<b>Result No</b>	: RZB240703114		
<b>Ref By</b>	: Dr. J Dattu Raj	<b>Sample ID</b>	: MCNNB6003967		
<b>Sample Type</b>	:				

<b>BASOPHILS</b>	00	00 - 01 %	
<i>DHSS/Microscopy</i>			
<b>PLATELET COUNT</b>	191	150 - 400 $10^3/\mu\text{L}$	$10^3/\mu\text{L}$
<i>Electrical Impedance</i>			

Suggested Clinical Correlation \* If necessary, Please discuss

\*\*\* End Of Report \*\*\*

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# MEDICOVER

## LABORATORY REPORT : HAEMATOLOGY HOSPITALS

<b>Name</b>	: Mr. MALLAIAH	<b>Age /Sex</b>	: A UNITS OF YAMMADEVA HEALTHCARE PVT LTD.
<b>Bill Date</b>	: 27-Jul-2024 09:21 AM	<b>UMR No.</b>	: 392407001248
<b>Rec. Dt</b>	: 27-Jul-2024 10:42 AM	<b>Bill No.</b>	: MCB39240701817
<b>Rept. Dt</b>	: 27-Jul-2024 12:39 PM	<b>Result No</b>	: RZB240703115
<b>Ref By</b>	: Dr. J Dattu Raj	<b>Sample ID</b>	: MCNNB6003967
<b>Sample Type</b>	:		

### ESR

<u>Parameters</u>	<u>Result</u>	<u>Referral Ranges</u>	<u>Units</u>
ESR WESTERNGREN'S METHOD	42 *	0-12	mm/1st hour

Suggested Clinical Correlation \* If necessary, Please discuss

\*\*\* End Of Report \*\*\*

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 MBBS, MD CONSULTANT PATHOLOGIST







**MEDICOVER**

**LABORATORY REPORT : BIOCHEMISTRY HOSPITALS**

<b>Name</b>	: Mr. MALLAIAH	<b>Age /Sex</b>	: A UNDEVELOPED MALE	<b>UMR No.</b>	: 392407001248
<b>Bill Date</b>	: 27-Jul-2024 09:21 AM	<b>Bill No.</b>	: MCB39240701817	<b>Result No</b>	: RZB240703104
<b>Rec. Dt</b>	: 27-Jul-2024 10:42 AM	<b>Sample ID</b>	: MCNNB6003964		
<b>Rept. Dt</b>	: 27-Jul-2024 12:57 PM				
<b>Ref By</b>	: Dr. J Dattu Raj				
<b>Sample Type</b>	: PLASMA				

**FBS (FASTING BLOOD GLUCOSE WITH URINE GLUCOSE)**

<u>Parameters</u>	<u>Result</u>	<u>Referral Ranges</u>	<u>Units</u>
<b>FASTING BLOOD GLUCOSE</b> <i>Hexokinase</i>	<b>244 *</b>	Normal Range : 70 - 99 Impaired Glucose tolerance : 100 -125 Diabetes Mellitus : >=126	mg/dL

Suggested Clinical Correlation \* If necessary, Please discuss

\*\*\* End Of Report \*\*\*

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**MEDICOVER**

**LABORATORY REPORT : BIOCHEMISTRY HOSPITAL**

<b>Name</b>	: Mr. MALLAIAH	<b>Age /Sex</b>	: A UN55076/M/45
<b>Bill Date</b>	: 27-Jul-2024 09:21 AM	<b>UMR No.</b>	: 392407001248
<b>Rec. Dt</b>	: 27-Jul-2024 10:42 AM	<b>Bill No.</b>	: MCB39240701817
<b>Rept. Dt</b>	: 27-Jul-2024 12:57 PM	<b>Result No</b>	: RZB240703110
<b>Ref By</b>	: Dr. J Dattu Raj	<b>Sample ID</b>	: MCNNB6003964
<b>Sample Type</b>	:		

**PLBS (POST LUNCH BLOOD SUGAR WITH URINE SUGAR)**

<u>Parameters</u>	<u>Result</u>	<u>Referral Ranges</u>	<u>Units</u>
PLBS (POST LUNCH BLOOD GLUCOSE)	368	Normal Range : =200	mg/dL

Hexokinase

Suggested Clinical Correlation \* If necessary, Please discuss

\*\*\* End Of Report \*\*\*

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**MEDICOVER**

**LABORATORY REPORT : BIOCHEMISTRY HOSPITALS**

Name	: Mr. MALLAIAH	Age /Sex	: A UN 60 Y/A/ M	UNION MEDICA HEALTHCARE PVT LTD.
Bill Date	: 27-Jul-2024 09:21 AM	UMR No.	: 392407001248	
Rec. Dt	: 27-Jul-2024 10:42 AM	Bill No.	: MCB39240701817	
Rept. Dt	: 27-Jul-2024 12:39 PM	Result No	: RZB240703100	
Ref By	: Dr. J Dattu Raj	Sample ID	: MCNNB6003964	
Sample Type	: SERUM			

**BUN(BLOOD UREA NITROGEN)**

<u>Parameters</u>	<u>Result</u>	<u>Referral Ranges</u>	<u>Units</u>
<b>BLOOD UREA</b> <i>Urease kinetic</i>	22	16.6 - 48.5	mg/dL
<b>BUN (Blood Urea Nitrogen.)</b>	10.4		

Suggested Clinical Correlation \* If necessary, Please discuss

\*\*\* End Of Report \*\*\*

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**MEDICOVER**

**LABORATORY REPORT : BIOCHEMISTRY HOSPITALS**



Name	: Mr. MALLAIAH	Age /Sex	: A UN50Y/MALD	UNIVERSITY MEDICAL COLLEGE HOSPITAL
Bill Date	: 27-Jul-2024 09:21 AM	UMR No.	: 392407001248	UNIVERSITY MEDICAL COLLEGE HOSPITAL
Rec. Dt	: 27-Jul-2024 10:42 AM	Bill No.	: MCB39240701817	UNIVERSITY MEDICAL COLLEGE HOSPITAL
Rept. Dt	: 27-Jul-2024 12:39 PM	Result No	: RZB240703105	UNIVERSITY MEDICAL COLLEGE HOSPITAL
Ref By	: Dr. J Dattu Raj	Sample ID	: MCNNB6003964	UNIVERSITY MEDICAL COLLEGE HOSPITAL
Sample Type	:			

**SERUM CREATININE**

<u>Parameters</u>	<u>Result</u>	<u>Referral Ranges</u>	<u>Units</u>
CREATININE <i>Jaffe</i>	1.0	0.6 - 1.2	mg/dL

Suggested Clinical Correlation \* If necessary, Please discuss

\*\*\* End Of Report \*\*\*

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<b>Name</b> : Mr. MALLAIAH	<b>Age /Sex</b> : A UN	<b>UMR No.</b> : 392407001248
<b>Bill Date</b> : 27-Jul-2024 09:21 AM	<b>Bill No.</b> : MCB39240701817	<b>Result No</b> : RZB240703101
<b>Rec. Dt</b> : 27-Jul-2024 10:42 AM	<b>Ref By</b> : Dr. J Dattu Raj	<b>Sample ID</b> : MCNNB6003964
<b>Rept. Dt</b> : 27-Jul-2024 12:39 PM		
<b>Sample Type</b> : SERUM		

**HBA1C (GLYCOSYLATED HAEMOGLOBIN)**

<u>Parameters</u>	<u>Result</u>	<u>Referral Ranges</u>	<u>Units</u>
<b>HBA1C</b> <i>HPLC</i>	<b>9.89 *</b>	" Normal : < 5.7% Pre diabetic : 5.7 % - 6.5 % Diabetic : > 6.5 %	
<b>MPG(Mean Plasma Glucose)</b> <i>Derived from HBA1c value</i>	<b>274.78 *</b>	" Excellent Control : 90 - 120 mg/dl Good Control : 121 - 150 "	<b>mg/dl</b>

Suggested Clinical Correlation \* If necessary, Please discuss

\*\*\* End Of Report \*\*\*

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<b>Name</b>	: Mr. MALLAIAH	<b>Age /Sex</b>	: 60 Y / M
<b>Bill Date</b>	: 27-Jul-2024 09:21 AM	<b>UMR No.</b>	: 392407001248
<b>Rec. Dt</b>	: 27-Jul-2024 10:42 AM	<b>Bill No.</b>	: MCB39240701817
<b>Rept. Dt</b>	: 27-Jul-2024 12:39 PM	<b>Result No</b>	: RZB240703108
<b>Ref By</b>	: Dr. J Dattu Raj	<b>Sample ID</b>	: MCNNB6003964
<b>Sample Type</b>	: SERUM		

**SERUM URIC ACID**

<u>Parameters</u>	<u>Result</u>	<u>Referral Ranges</u>	<u>Units</u>
SERUM URIC ACID <i>uricase</i>	6.0	3.4-7.0	mg/dL

Suggested Clinical Correlation \* If necessary, Please discuss

\*\*\* End Of Report \*\*\*

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**MEDICOVER**

**LABORATORY REPORT : BIOCHEMISTRY HOSPITALS**

Name : Mr. MALLAIAH  
 Bill Date : 27-Jul-2024 09:21 AM  
 Rec. Dt : 27-Jul-2024 10:42 AM  
 Rept. Dt : 27-Jul-2024 12:39 PM  
 Ref By : Dr. J Dattu Raj  
 Sample Type : SERUM

Age /Sex : A UN 58 Y (A) M  
 UMR No. : 392407001248  
 Bill No. : MCB39240701817  
 Result No : RZB240703111  
 Sample ID : MCNNB6003964

**LFT(LIVER FUNCTION TEST)**

<u>Parameters</u>	<u>Result</u>	<u>Referral Ranges</u>	<u>Units</u>
TOTAL BILIRUBIN <i>DIAZO</i>	0.8	<1.2	mg/dL
DIRECT BILIRUBIN <i>DIAZO</i>	0.2	<=0.20	mg/dL
INDIRECT BILIRUBIN <i>Calculated</i>	0.6	<=1.0	mg/dL
SGPT (ALT) <i>UV without P5P</i>	35	<=41	U/L
SGOT (AST) <i>UV without P5P</i>	28	<=40	U/L
ALKALINE PHOSPHATASE (ALP) <i>PNPP, AMP Buffer - IFCC Ref.</i>	53	40-129 U/L	U/L
TOTAL PROTEINS <i>Biuret method</i>	8.4 *	6.0 - 8.0 g/dL	g/dL
SERUM ALBUMIN <i>Bromocresol Green (BCG)</i>	5.1	3.5 - 5.2 g/dL	g/dL
GLOBULINS <i>Calculated</i>	3.3	2.5 - 3.5 g/dL	g/dL
A/G RATIO <i>Calculation</i>	1.5	1.2 - 2.5	

Suggested Clinical Correlation \* If necessary, Please discuss

\*\*\* End Of Report \*\*\*

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# MEDICOVER HOSPITALS

## LABORATORY REPORT : BIOCHEMISTRY

Name : Mr. MALLAIAH  
Bill Date : 27-Jul-2024 09:21 AM  
Rec. Dt : 27-Jul-2024 10:42 AM  
Rept. Dt : 27-Jul-2024 12:39 PM  
Ref By : Dr. J Dattu Raj  
Sample Type : SERUM

Age /Sex : A UNEMPLOYED MALE  
UMR No. : 392407001248  
Bill No. : MCB39240701817  
Result No : RZB240703103  
Sample ID : MCNNB6003964

### LIPID PROFILE

<u>Parameters</u>	<u>Result</u>	<u>Referral Ranges</u>	<u>Units</u>
<b>TOTAL CHOLESTEROL</b> <i>Enzymatic colorimetric</i>	105	Desirable : < 200 mg/dL Borderline High : 200 - 239 mg/dL High risk : > 240 mg/dL	mg/dL
<b>HDL CHOLESTEROL</b> <i>Homogeneous enzymatic colorimetric</i>	38	Low : < 40 mg/dL High : > 60 mg/dL	mg/dL
<b>LDL CHOLESTEROL</b> <i>Direct-Enzymatic colorimetric</i>	50	Very High : > 190 mg/dL Optimal : < 100 mg/dL Near Optimal : 100 - 129 mg/dL High : 160 - 189 mg/dL Borderline High: 130-159 mg/dl	mg/dL
<b>VLDL</b> <i>Calculation</i>	17	2 - 30 mg/dL	mg/dL
<b>SERUM TRYGLYCERIDES</b> <i>Enzymatic colorimetric</i>	88	< 150 mg/dL Borderline High : 150 - 199 mg/dL High : 200 - 499 mg/dL	mg/dL
<b>CHO/HDL RATIO</b> <i>Calculation</i>	2.7	Normal : < 3.5 High Risk : > 5.0	

Suggested Clinical Correlation \* If necessary, Please discuss

\*\*\* End Of Report \*\*\*

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# MEDICOVER

## LABORATORY REPORT : BIOCHEMISTRY HOSPITALS



Name	: Mr. MALLAIAH	Age /Sex	: A U N E B B O Y (A Y M A C E )
Bill Date	: 27-Jul-2024 09:21 AM	UMR No.	: 392407001248
Rec. Dt	: 27-Jul-2024 10:42 AM	Bill No.	: MCB39240701817
Rept. Dt	: 27-Jul-2024 12:39 PM	Result No	: RZB240703107
Ref By	: Dr. J Dattu Raj	Sample ID	: MCNNB6003964
Sample Type	: SERUM		

### T3,T4 AND TSH

Parameters	Result	Referral Ranges	Units
T3 ECLIA	163.09	80.0 - 200.0	ng/dL
T4 ECLIA	10.41	5.1 - 14.1	ug/dL
TSH (THYROID STIMULATING HORMONE) ECLIA	1.40	0.270 - 4.20	uIU/mL

Suggested Clinical Correlation \* If necessary, Please discuss

\*\*\* End Of Report \*\*\*

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# MEDICOVER

## LABORATORY REPORT : CLINICAL PATHOLOGY SPITALS

Name	: Mr. MALLAIAH	Age /Sex	: A UN 5870411111
Bill Date	: 27-Jul-2024 09:21 AM	UMR No.	: 392407001248
Rec. Dt	: 27-Jul-2024 10:42 AM	Bill No.	: MCB39240701817
Rept. Dt	: 27-Jul-2024 12:39 PM	Result No	: RZB240703113
Ref By	: Dr. J Dattu Raj	Sample ID	: MCNNB6003966
Sample Type	:		

### CUE (COMPLETE URINE EXAMINATION)

Parameters	Result	Referral Ranges	Units
<b>PHYSICAL EXAMINATION</b>			
VOLUME	15	10 ml to 25 ml	ml
COLOUR	PALE YELLOW	PALE YELLOW	
APPEARANCE	CLEAR	CLEAR	
<b>CHEMICAL EXAMINATION</b>			
<b>SPECIFIC GRAVITY</b> <i>Bromthymol blue</i>	Q N S	1.000 - 1.030	
<b>PH</b> <i>Bromthymol blue</i>	6.0	5.0 - 8.0	
<b>PROTEIN</b> <i>Tetra-bromophenol blue/Heat coagulation test</i>	TRACE	NIL (<15 mg/dL)	
<b>GLUCOSE</b> <i>Glucose oxidase Peroxidase/Benedict's test</i>	PRESENT {+++}	NIL (<25 mg/dL)	
<b>UROBILINOGEN</b> <i>Diazonium salt</i>	NIL	NIL	
<b>KETONE</b> <i>Sodium nitroprusside/Rothera's test.</i>	NIL	NIL (<5 mg/dL)	
<b>BILIRUBIN</b> <i>Diazonium salt/Fouchets test</i>	NIL	NIL (<0.5 mg/dL)	

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# MEDICOVER

## LABORATORY REPORT : CLINICAL PATHOLOGY SPITALS

Name	: Mr. MALLAIAH	Age /Sex	: 55 / M	UNIVERSITY OF MADRAS HEALTHCARE PVT LTD.
Bill Date	: 27-Jul-2024 09:21 AM	UMR No.	: 392407001248	
Rec. Dt	: 27-Jul-2024 10:42 AM	Bill No.	: MCB39240701817	
Rept. Dt	: 27-Jul-2024 12:39 PM	Result No	: RZB240703113	
Ref By	: Dr. J Dattu Raj	Sample ID	: MCNNB6003966	
Sample Type	:			

**NITRITE**  
*Sulfanilic acid*

NEGATIVE

NEGATIVE

### MICROSCOPIC EXAMINATION

PUS CELLS	2-4	0 - 5 /hpf	
RBC	NIL	0 - 5 /hpf	
EPITHELIAL CELLS	3-4	0 - 5	hpf
CRYSTALS	NIL	NIL	
CASTS	NIL	NIL	
OTHERS	-	NIL	

### INTERPRETATION


The colour fields of chemicals correspond to the following values:

1. Proteins: neg (negative), 30-99 (+), 100-499 (++) , >500 (+++) mg/dl
2. Ketones: neg. (negative), 5 (Trace), 15-49 (+), 50-149 (++) , >150 (+++) mg/dl
3. Glucose: norm. (normal), 50-149 (+), 150-499 (++) , 500-999 (+++), >1000 (++++ ) mg/dl
4. Bilirubin: neg (negative), 1 (+), 3 (++) , 6 (+++) mg/ dl
5. Urobilinogen: norm. (normal), 2 (+), 4 (++) , 8 (+++), 12 (++++ ) mg/dl.

Suggested Clinical Correlation \* If necessary, Please discuss

\*\*\* End Of Report \*\*\*

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<b>PT Name</b> : Mr. MALLALAH <b>Ref By</b> : SELF <b>Reg. No.</b> : 157002 <b>Mobile No.</b> : -	<b>Age</b> : 58 years   <b>Sex</b> : Male <b>Registered on</b> : Jul 27, 2024, 11:18 a.m. <b>Collected on</b> : Jul 27, 2024, 11:19 a.m. <b>Received on</b> : Jul 27, 2024, 11:33 a.m. <b>Reported on</b> : Jul 27, 2024, 12:15 p.m.	<b>SAMPLE COLLECTED AT :</b> MEDICOVER HOSPITAL-NZB  019420924
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## BIOCHEMISTRY

Test Description	Value(s)	Unit	Reference Range
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<b>Vitamin D (25 - Hydroxy)</b> <i>(Method : ECLIA - Roche Hitachi e 411)</i>	15.8	ng/mL	Sample Type: Serum-Biochemistry Deficient: < 20 Insufficient: 20 - 29 Sufficient: 30 - 100 Upper safety limit : > 100
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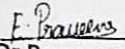
### Interpretation:

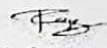
- Vitamin D is a fat soluble vitamin and exists in two main forms cholecalciferol "(vitamin D3)" which is synthesized in skin from 7-dehydrocholesterol in response to sunlight exposure & Ergocalciferol (vitamin D2) present mainly in dietary sources. Both cholecalciferol & Ergocalciferol are converted to 25(OH) vitamin D in liver.
- Testing for 25(OH) vitamin D is recommended as it is the best indicator of vitamin D nutritional status as obtained from sunlight exposure & dietary "intake". "Diagnosis of vitamin D deficiency has clinical correlation with serum 25(OH) vitamin D, serum calcium, serum PTH, and serum alkaline phosphatase."

### References :

- The Clinical Guidelines Subcommittee of the Endocrine Society Task Force, 2011
- Tietz Fundamentals of Clinical Chemistry and Molecular Diagnostics, 7th Edition


\*\*\*\*\*Clinical correlation is suggested\*\*\*\*\*

  
**Dr Praveena E**  
 MBBS, MD (JIPMER)  
 Consultant Pathologist

  
 Reported by: **Raghunath**  
 Technical Team

\* Outsource Parameter  
 \*\* UKAS Parameter  
 \*\*\* Indicates NABL Accredited Parameter



PT Name : Mr. MALLAIAH	Age : 58 years   Sex : Male	SAMPLE COLLECTED AT : MEDICOVER HOSPITAL-NZB
Ref By : SELF	Registered on : Jul 27, 2024, 11:18 a.m.	 019420924
Reg. No. : 157002	Collected on : Jul 27, 2024, 11:19 a.m.	
Mobile No. : -	Received on : Jul 27, 2024, 11:33 a.m.	
	Reported on : Jul 27, 2024, 12:15 p.m.	

### BIOCHEMISTRY

Test Description	Value(s)	Unit	Reference Range
Vitamin B12	190.8	pg/mL	Sample Type: Serum-Biochemistry
			< 1 Yr: 293-1210
			2 - 3 Yrs: 264-1215
			4 - 6 Yrs: 245-1075
			7 - 09 Yrs: 271-1170
			10 - 12 Yrs: 183-1090
			13 - 18 Yrs: 214-864
			> 18 Yrs: 206 - 676

**Vitamin B12**  
*(Method : ECLIA - Roche Hitachi e 411)*

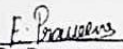
#### Interpretation:

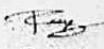
The most common cause of vitamin B12 deficiency is pernicious anemia. Other groups at risk of vitamin B12 deficiency includes those elder than 65 years of age; with malabsorption; who are vegetarians; with autoimmune disorders; Gastrectomy; Peripheral Neuropathies taking prescribe medication known to interfere with vitamin absorption or metabolism, including nitrous oxide, phenytoin, dihydrofolate reductase inhibitors, metformin and proton pump inhibitors.

#### References:

ROCHE: Heil/Ehrhardt · Reference Ranges for Adults and Children 2008

\*\*\*\*\*Clinical correlation is suggested\*\*\*\*\*

  
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