Name	: Mr. PAMU KONDALA RAO	Register On	:	13/08/2022 9:18 AM
PID No.	: MED121240516	Collection On	:	13/08/2022 9:45 AM
SID No.	: 602207832	Report On	:	13/08/2022 5:32 PM
Age / Sex	: 48 Year(s) / Male	Printed On	:	17/08/2022 5:41 PM
Ref. Dr	: MediWheel	Туре	:	OP

Investigation	Observed Value	<u>Unit</u>	Biological Reference Interval				
IMMUNOHAEMATOLOGY							
BLOOD GROUPING AND Rh TYPING (Blood /Agglutination)	'B' 'Positive'						
INTERPRETATION: Reconfirm the Blood group and Typing before blood transfusion If Rh Variant							
When Reciepient, Consider patient as Rh nega	live when Donor, Consid	er patient as Rr	i positive.				
HAEMATOLOGY							
Complete Blood Count With - ESR		/ H					
Haemoglobin (Blood/Spectrophotometry)	15.4	g/dL	13.5 - 18.0				
Packed Cell Volume(PCV)/Haematocrit (Blood/Derived from Impedance)	46.1	%	42 - 52				
RBC Count (Blood/Impedance Variation)	5.32	mill/cu.mm	4.7 - 6.0				
Mean Corpuscular Volume(MCV) (Blood/ Derived from Impedance)	86.6	fL	78 - 100				
Mean Corpuscular Haemoglobin(MCH) (Blood/Derived from Impedance)	28.9	pg	27 - 32				
Mean Corpuscular Haemoglobin concentration(MCHC) (Blood/Derived from Impedance)	33.4	g/dL	32 - 36				
RDW-CV (Blood/Derived from Impedance)	13.0	%	11.5 - 16.0				
RDW-SD (Blood/Derived from Impedance)	40.7	fL	39 - 46				
Total Leukocyte Count (TC) (Blood/ Impedance Variation)	5680	cells/cu.mm	4000 - 11000				
Neutrophils (Blood/Impedance Variation & Flow Cytometry)	61.1	%	40 - 75				
Lymphocytes (Blood/Impedance Variation & Flow Cytometry)	28.6	%	20 - 45				
Eosinophils (Blood/Impedance Variation & Flow Cytometry)	3.0	%	01 - 06				
Monocytes (Blood/Impedance Variation & Flow Cytometry)	6.5	%	01 - 10				
Basophils (Blood/Impedance Variation & Flow Cytometry)	0.8	%	00 - 02				
INTERPRETATION: Tests done on Automated microscopically.	Five Part cell counter. A	ll abnormal resu	Its are reviewed and confirmed				
Absolute Neutrophil count (Blood/ Impedance Variation & Flow Cytometry)	3.46	10^3 / μl	1.5 - 6.6				
Absolute Lymphocyte Count (Blood/ Impedance Variation & Flow Cytometry)	1.63	10^3 / μl	1.5 - 3.5				
Absolute Eosinophil Count (AEC) (Blood/ Impedance Variation & Flow Cytometry)	0.17	10^3 / µl	0.04 - 0.44				





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Investigation	Observed Value	<u>Unit</u>	Biological Reference Interval
Absolute Monocyte Count (Blood/ Impedance Variation & Flow Cytometry)	0.37	10^3 / μl	< 1.0
Absolute Basophil count (Blood/Impedance Variation & Flow Cytometry)	0.05	10^3 / μl	< 0.2
Platelet Count (Blood/Impedance Variation)	212	10^3 / μl	150 - 450
MPV (Blood/Derived from Impedance)	10.1	fL	7.9 - 13.7
PCT (Blood/Automated Blood cell Counter)	0.214	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Blood/Automated - Westergren method)	3	mm/hr	< 15
BIOCHEMISTRY			
BUN / Creatinine Ratio	15.8		6.0 - 22.0
Glucose Fasting (FBS) (Plasma - F/GOD- PAP)	212.8	mg/dL	Normal: < 100 Pre Diabetic: 100 - 125 Diabetic: >= 126

INTERPRETATION: Factors such as type, quantity and time of food intake, Physical activity, Psychological stress, and drugs can influence blood glucose level.

Glucose, Fasting (Urine) (Urine - F/GOD - POD)	Positive(+)		Negative
Glucose Postprandial (PPBS) (Plasma - PP/ GOD-PAP)	291.5	mg/dL	70 - 140

INTERPRETATION:

Factors such as type, quantity and time of food intake, Physical activity, Psychological stress, and drugs can influence blood glucose level. Fasting blood glucose level may be higher than Postprandial glucose, because of physiological surge in Postprandial Insulin secretion, Insulin resistance, Exercise or Stress, Dawn Phenomenon, Somogyi Phenomenon, Anti- diabetic medication during treatment for Diabetes.

Urine Giucose(PP-2 hours) (Urine - PP)	Positive(++)		Negative
Blood Urea Nitrogen (BUN) (Serum/Urease UV / derived)	15.8	mg/dL	7.0 - 21
Creatinine (Serum/Modified Jaffe)	1.00	mg/dL	0.9 - 1.3

INTERPRETATION: Elevated Creatinine values are encountered in increased muscle mass, severe dehydration, Pre-eclampsia, increased ingestion of cooked meat, consuming Protein/ Creatine supplements, Diabetic Ketoacidosis, prolonged fasting, renal dysfunction and drugs such as cefoxitin, cefazolin, ACE inhibitors, angiotensin II receptor antagonists,N-acetylcysteine, chemotherapeutic agent such as flucytosine etc.

Uric Acid (Serum/Enzymatic)	3.8	mg/dL	3.5 - 7.2
Liver Function Test			
Bilirubin(Total) (Serum/DCA with ATCS)	0.48	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.15	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.33	mg/dL	0.1 - 1.0
	0.00	mg/ an	0.1 1.0





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Investigation	Observed Value	<u>Unit</u>	Biological Reference Interval
SGOT/AST (Aspartate Aminotransferase) (Serum/Modified IFCC)	18.2	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/Modified IFCC)	25.5	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	28.3	U/L	< 55
Alkaline Phosphatase (SAP) (Serum/ Modified IFCC)	101.8	U/L	53 - 128
Total Protein (Serum/Biuret)	7.71	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.35	gm/dl	3.5 - 5.2
Globulin (Serum/Derived)	3.36	gm/dL	2.3 - 3.6
A : G RATIO (Serum/Derived)	1.29		1.1 - 2.2
Lipid Profile			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	206.6	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/GPO-PAP with ATCS)	80.6	mg/dL	Optimal: < 150 Borderline: 150 - 199 High: 200 - 499 Very High: >= 500

INTERPRETATION: The reference ranges are based on fasting condition. Triglyceride levels change drastically in response to food, increasing as much as 5 to 10 times the fasting levels, just a few hours after eating. Fasting triglyceride levels show considerable diurnal variation too. There is evidence recommending triglycerides estimation in non-fasting condition for evaluating the risk of heart disease and screening for metabolic syndrome, as non-fasting sample is more representative of the `usual_circulating level of triglycerides during most part of the day.

HDL Cholesterol (Serum/Immunoinhibition)	53.0	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 40 - 59 High Risk: < 40
LDL Cholesterol (Serum/Calculated)	137.5	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	16.1	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	153.6	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >= 220





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Investigation	Observed Value	Unit	Biological Reference Interval					
INTERPRETATION: 1.Non-HDL Cholesterol is now proven to be a better cardiovascular risk marker than LDL Cholesterol. 2.It is the sum of all potentially atherogenic proteins including LDL, IDL, VLDL and chylomicrons and it is the "new bad cholesterol" and is a co-primary target for cholesterol lowering therapy.								
Total Cholesterol/HDL Cholesterol Ratio (Serum/Calculated)	3.9		Optimal: < 3.3 Low Risk: 3.4 - 4.4 Average Risk: 4.5 - 7.1 Moderate Risk: 7.2 - 11.0 High Risk: > 11.0					
Triglyceride/HDL Cholesterol Ratio (TG/HDL) (Serum/Calculated)	1.5		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0					
LDL/HDL Cholesterol Ratio (Serum/ Calculated)	2.6		Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0					
<u>Glycosylated Haemoglobin (HbA1c)</u>								
HbA1C (Whole Blood/HPLC)	9.5	%	Normal: 4.5 - 5.6 Prediabetes: 5.7 - 6.4 Diabetic: >= 6.5					
INTERPRETATION: If Diabetes - Good control : 6.1 - 7.0 % , Fair control : 7.1 - 8.0 % , Poor control >= 8.1 %								

Estimated Average Glucose (Whole Blood) 225.95

INTERPRETATION: Comments

HbA1c provides an index of Average Blood Glucose levels over the past 8 - 12 weeks and is a much better indicator of long term glycemic control as compared to blood and urinary glucose determinations.

Conditions that prolong RBC life span like Iron deficiency anemia, Vitamin B12 & Folate deficiency,

0.667

hypertriglyceridemia, hyperbilirubinemia, Drugs, Alcohol, Lead Poisoning, Asplenia can give falsely elevated HbA1C values. Conditions that shorten RBC survival like acute or chronic blood loss, hemolytic anemia, Hemoglobinopathies, Splenomegaly, Vitamin E ingestion, Pregnancy, End stage Renal disease can cause falsely low HbA1c.

IMMUNOASSAY

Prostate specific antigen - Total(PSA) (Serum/Manometric method)

ng/mL

mg/dL

Normal: 0.0 - 4.0 Inflammatory & Non Malignant conditions of Prostate & genitourinary system: 4.01 - 10.0 Suspicious of Malignant disease of Prostate: > 10.0





The results pertain to sample tested.

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Investigation	Observed Value	<u>Unit</u>	Biological Reference Interval
INTERPRETATION: Analytical sensitivity: 0.000 PSA is a tumor marker for screening of prostate conditions like bacterial infection, inflammation hyperplasia (BPH).	e cancer. Increased level		
Transient elevation of PSA levels are seen follo ejaculation within 24 hours. PSA levels tend to increase in all men as they a Clinical Utility of PSA: ăn the early detection of Prostate cancer.		nation, rigorous	physical activity like bicycle riding,
čAs an aid in discriminating between Prostate c čTo detect cancer recurrence or disease progre		atic disease.	
THYROID PROFILE / TFT			
T3 (Triiodothyronine) - Total (Serum/ Chemiluminescent Immunometric Assay (CLIA))	0.90	ng/ml	0.7 - 2.04
INTERPRETATION:			
Comment : Total T3 variation can be seen in other condition it is Metabolically active.	n like pregnancy, drugs,	nephrosis etc. I	n such cases, Free T3 is recommended as
T4 (Tyroxine) - Total (Serum/ Chemiluminescent Immunometric Assay (CLIA))	5.59	µg/dl	4.2 - 12.0
INTERPRETATION:			
Comment : Total T4 variation can be seen in other condition it is Metabolically active.	n like pregnancy, drugs,	nephrosis etc. I	n such cases, Free T4 is recommended as
TSH (Thyroid Stimulating Hormone) (Serum /Chemiluminescent Immunometric Assay (CLIA))	0.95	µIU/mL	0.35 - 5.50
INTERPRETATION: Reference range for cord blood - upto 20 1 st trimester: 0.1-2.5 2 nd trimester 0.2-3.0 3 rd trimester : 0.3-3.0 (Indian Thyroid Society Guidelines) Comment :			
1.TSH reference range during pregnancy depe BMI.	nds on lodine intake, TP	O status, Serum	HCG concentration, race, Ethnicity and
2.TSH Levels are subject to circadian variation, variation can be of the order of 50%,hence time	e of the day has influence	e on the measur	ed serum TSH concentrations.

3.Values&lt;0.03 µIU/mL need to be clinically correlated due to presence of rare TSH variant in some individuals.

CLINICAL PATHOLOGY

<u> Urine Analysis - Routine</u>

COLOUR (Urine) APPEARANCE (Urine) Pale yellow Clear Yellow to Amber Clear





The results pertain to sample tested.

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Investigation Protein (Urine/Protein error of indicator)	Observed Value Negative	<u>Unit</u>	Biological Reference Interval Negative
Glucose (Urine/GOD - POD)	Positive(+)		Negative
Pus Cells (Urine/Automated ⁻ Flow cytometry	1 - 2	/hpf	NIL
Epithelial Cells (Urine/Automated ⁻ Flow cvtometry)	1 - 2	/hpf	NIL
RBCs (Urine/Automated ⁻ Flow cytometry)	NIL	/hpf	NIL
Casts (Urine/Automated ⁻ Flow cytometry)	NIL	/hpf	NIL
Crystals (Urine/Automated ⁻ Flow cytometry)	NIL	/hpf	NIL

Others (Urine) NIL

INTERPRETATION: Note: Done with Automated Urine Analyser & Automated urine sedimentation analyser. All abnormal reports are reviewed and confirmed microscopically.

-- End of Report --







Name	MR.PAMU KONDALA RAO		
Age & Gender	48Y/MALE	ID	MED121240516
Ref Doctor	MediWheel	Visit Date	13/08/2022

MASTER HEALTH CHECK UP SUMMARY

Height :	171 cm		
BMI:	267	Weight:	68kg
with .	20.7		

PRESENT HISTORY:

- Hypertensive past 6 years taking medication regularly. .
- Pre diabetic not under medication. .

<u>GENERAL EXAMINATION</u> \rightarrow <u>P.I.C.C.L.E</u> : Nil.

Pulse: 76/min	BP: 120/80 mmHg

Temp: Normal Others: Nil

SYSTEMIC EXAMINATION:

CVS: \$1\$2+	RS: B/L NVBS	CNS: NEND

P/A: Soft, No palpable mass, No tenderness BS +.

INVESTIGATIONS:

A

ECG:

CUR

• Normal ECG.

X-RAY:

• Essentially normal study.

ULTRASOUND ABDOMEN:

- Right renal cyst.
- Left renal Calculus.
 - For clinical correlation.



Respiratory Rate: 15/min



Name	MR.PAMU KONDALA RAO			
		ID	MED121240516	
Age a Gender	48Y/MALE	Triale Dat		
Ref Doctor	MediWheel	Visit Date	13/08/2022	

ECHO:

- Normal LV / RV size and systolic function. (EF : 68%)
- No regional wall motion abnormality.
- Normal valves for age.
- Normal diastolic compliance.
- Normal colour flow studies.

LAB REPORTS:

- Glucose Fasting & PP levels Very High.
- HbA1C Very high.
- T3 and THS Low,

EYE SCREENING:

Vision	R/E	L/E
Distant Vision	6/6	6/6
Near Vision	N12	N12
Colour Vision	Normal	Norma

> Within normal limits.

ADVISED:

- Diabetologist opinion.
- Endocrinologist opinion.
- Nephrologist opinion for Left kidney stones.

DR.GOMATHY.S M.B.B.S, D.M.C.H Consultant General Physician









Name	MR.PAMU KONDALA RAO	ID	MED121240516
Age & Gender	48Y/MALE	Visit Date	13/08/2022
Ref Doctor	MediWheel	Tione Date	13/08/2022

SONOGRAM

WHOLE ABDOMEN

The liver is normal in size and shows uniform echotexture with no focal abnormality.

The gall bladder is normal sized and smooth walled and contains no calculus.

There is no intra or extra hepatic biliary ductal dilatation.

The pancreas shows a normal configuration and echotexture.

The pancreatic duct is normal.

The portal vein and IVC are normal.

The spleen is normal.

There is no free or loculated peritoneal fluid.

The right kidney measures 10.8×4.9 cm and shows a mid pole exophytic cortical cyst measuring 1.8×1.9 cm.

The left kidney measures 11.0×5.5 cm and shows calculus measures 0.55 cm in the mid pole calyx.

Both kidneys are normal in size, shape and position. Cortical echoes are normal bilaterally.

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Name	MR.PAMU KONDALA RAO	ID	MED121240516
Age & Gender	48Y/MALE	Visit Date	13/08/2022
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There is no calyceal dilatation.

The ureters are not dilated.

The bladder is smooth walled and uniformly transonic.

There is no intravesical mass or calculus.

The prostate measures 2.5 x 3.5 x 3.4 cm (Vol - 15.9 cc) and is normal sized.

The echotexture is homogeneous.

The seminal vesicles are normal.

Iliac fossae are normal.

IMPRESSION:

- Right renal cyst.
- Left renal calculus.
- For clinical correlation.

Dr. Catherine DR.Catherine Consultant Sonologist





MEDALL DIAGNOSTICS No ; 26/15 , Ground floor Gopalakrishna street pondy Bazaar , T.Nagar

Name	MR.PAMU KONDALA RAO	ID	MED121240516
Age & Gender	48Y/MALE	Visit Date	10/00/0000
Ref Doctor	MediWheel	VISIC Date	13/08/2022













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MEDALL DIAGNOSTICS No ; 26/15 , Ground floor Gopalakrishna street pondy Bazaar , T.Nagar

Name	MR.PAMU KONDALA RAO	ID	MED121240516
Age & Gender	48Y/MALE	Visit Date	10/00/0000
Ref Doctor	MediWheel	Vian Date	13/08/2022













		ID	MED121240516
name	MR.PAMU KONDALA RAO	Visit Date	13/08/2022
Age & Gender	48Y/MALE	Tible Date	
Ref Doctor	MediWheel		

ECHO CARDIOGRAM REPORT

2D ECHO STUDY:

- Normal chamber dimensions.
- Normal LV / RV size and systolic function (EF: 68%)
- No Regional wall motion abnormality.
- No ventricular hypertrophy.
- IAS and IVS are intact.
- No e/o of clot / Aneurysm.
- Normal pericardium.

FINAL IMPRESSION:

- NORMAL LV / RV SIZE AND SYSTOLIC FUNCTION. (EF : 68%)
- NO REGIONAL WALL MOTION ABNORMALITY.
- NORMAL VALVES FOR AGE.
- NORMAL DIASTOLIC COMPLIANCE.
- NORMAL COLOUR FLOW STUDIES.

LEFT VENTRICULAR MEASUREMENT:

DIMENSIONS NORMAL	DIMENSIONS	NORMAL
AO (ed)- 3.0cm(1.5cm/3.5cm)	IVS (ed) - 1.2cm	(0.6cm/1.2cm)
LA (ed)- 2.9cm(1.5cm/3.5cm)	LVPW(ed) - 1.2cm	(0.6cm/1.1cm)
RVID(ed)- 1.2cm(0.9cm/2.8cm)	EF 68 %	(62 %-85 %)
LVID (ed)- 4.1cm(2.6cm/5.5cm)	FS 37 %	
LVID (es)- 2.5cm		



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Name	MR.PAMU KONDAL	A RAO	ID	MED121240516
Age & Gender	48Y/MALE		Visit Date	13/08/2022
Ref Doctor	MediWheel			20,0072022
MORPHOLOG	ICAL DATA:			
Mitral valve				
Anterior mitr	al leaflet (AML)	: Normal		
Posterior mitr	al leaflet (PML)	: Normal		
Aortic Valve		: Normal		
Tricuspid Valve		: Normal		
Pulmonary Va	alve	: Normal		
Interatrial Sep	otum	: Intact		
Interventricul	ar Septum	: Intact		
Right Ventric	le	: Normal		
Right Atrium		: Normal		
Pulmonary Ar	tery	: Normal		
left Ventricle		: Normal		
.eft Atrium		: Normal		

PERICARDIUM:

(a)

Normal.

DOPPLER STUDY:

Continuous Wave Doppler & Colour Flow Study:

> Normal colour flow studies.

Dr.Pradeep G. Nayar MD,DNB(CARD),MNAMS,FRCP(Lon),FRCP(Edin), FRCP(Glas)FAHA(USA),FACC(USA),FSCAI(USA). Sr.Consultant Interventional Cardiologist

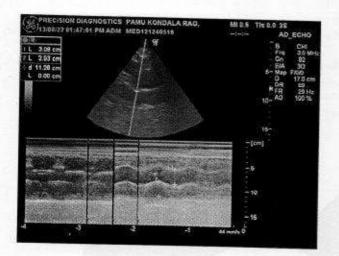
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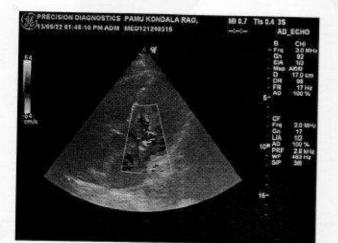


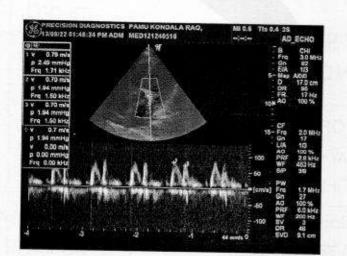


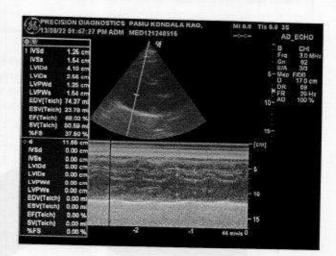
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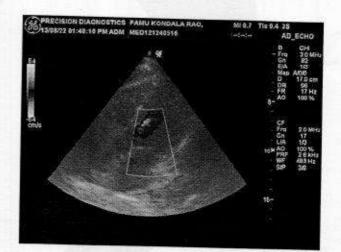
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lge & Gender	48Y/MALE	Visit Date	
Ref Doctor	MediWheel		13/08/2022

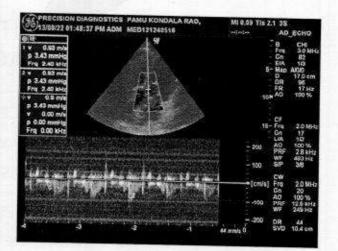












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