

NAME:	Mr. RAO TUMMALACHERVU MALLIKARJUNA	DATE:	11-02-2023
AGE:	29 YEARS	ID. NO:	201616
GENDER:	MALE	REFERRED BY:	OLYMPUS DIAGNOSTICS

USG REPORT - ABDOMEN AND PELVIS

OBSERVATION:

LIVER:

Liver is normal in size (13.8 cm) and shows mild diffuse increase in echotexture. No obvious focal lesion is seen. Intrahepatic biliary radicles not dilated. Hepatic and portal veins are normal. CBD is normal.

GALL BLADDER:

Normal in distension. Lumen echo free. Wall thickness is normal.

PANCREAS:

Head and body visualized appears normal. No focal lesion is seen. Pancreatic duct not dilated. Tail not visualized.

SPLEEN:

Mildly enlarged in size (12 x 5.0 cm) with homogenous echotexture. No focal lesion seen.

RIGHT KIDNEY:

Right kidney measures 9.7 x 1.4 cm (length x parenchymal thickness) with normal echo pattern and cortical thickness.

The shape, size and contour of the right kidney appear normal.

Cortico- medullary differentiation is maintained.

No evidence of pelvicalyceal dilatation. No sonologically detectable calculi seen.

LEFT KIDNEY:

Left kidney measures 10.4 x 1.3 cm (length x parenchymal thickness) with normal echo pattern and cortical thickness.

The shape, size and contour of the left kidney appear normal.

Cortico-medullary differentiation is maintained.

No evidence of pelvicalyceal dilatation. No sonologically detectable calculi seen.

NAME:	MR. RAO TUMMALACHERVU MALLIKARJUNA	DATE:	11-02-2023
AGE:	29 YEARS	ID. NO:	201616
GENDER:	MALE	REFERRED BY:	OLYMPUS DIAGNOSTICS

X-RAY REPORT- CHEST (PA VIEW)

OBSERVATIONS:

The lung fields are clear bilaterally.

CP angles are clear.

Both the hila appear normal.

Cardiac diameter is within normal limits.

Trachea is midline.

Visible bony thoracic cage is normal.

Adjacent soft tissues appear normal.

IMPRESSION:

- **No significant abnormality in the visualized lung fields.**

Dr. SAHANA C MDRD, DNB
Consultant Radiologist

NAME:	MR. RAO TUMMALACHERVU MALLIKARJUNA	DATE:	11-02-2023
AGE:	29 YEARS	ID. NO:	201616
GENDER:	MALE	REFERRED BY:	OLYMPUS DIAGNOSTICS

USG REPORT - ABDOMEN AND PELVIS

URINARY BLADDER:

Is normal in contour. No intraluminal echoes are seen. No calculus or diverticulum is seen. Wall thickness appears normal.

PROSTATE:

Is normal in size (Volume-14.7 cc) with normal echo pattern. No focal lesion is seen.

No evidence of free fluid in the pelvic or abdominal cavity.

IMPRESSION:

- Mild splenomegaly.
- Grade I fatty infiltration of liver.

Dr. SAHANA C MDRD, DNB
Consultant Radiologist

TRANS THORACIC 2D ECHO - DOPPLER STUDY

NAME:	Mr. RAO TUMMALACHERVU MALLIKARJUNA	DATE:	11-02-2023
AGE:	29 YEARS	ID. NO:	201616
GENDER:	MALE	REFERRED BY:	OLYMPUS DIAGNOSTICS

M-Mode		
AORTA	22	mm
LEFT ARTIUM	30	mm
RIGHT VENTRICLE(Diastole)	18	mm
LVID (Diastole)	35	mm
LVID (Systole)	22	mm
INTERVENTRICULAR SEPTUM (Diastole)	10	mm
L V POSTERIOR WALL (Diastole)	9	mm
L V MASS	140	grms
FRACTIONAL SHORTENING	30	%
EJECTION FRACTION	60	%

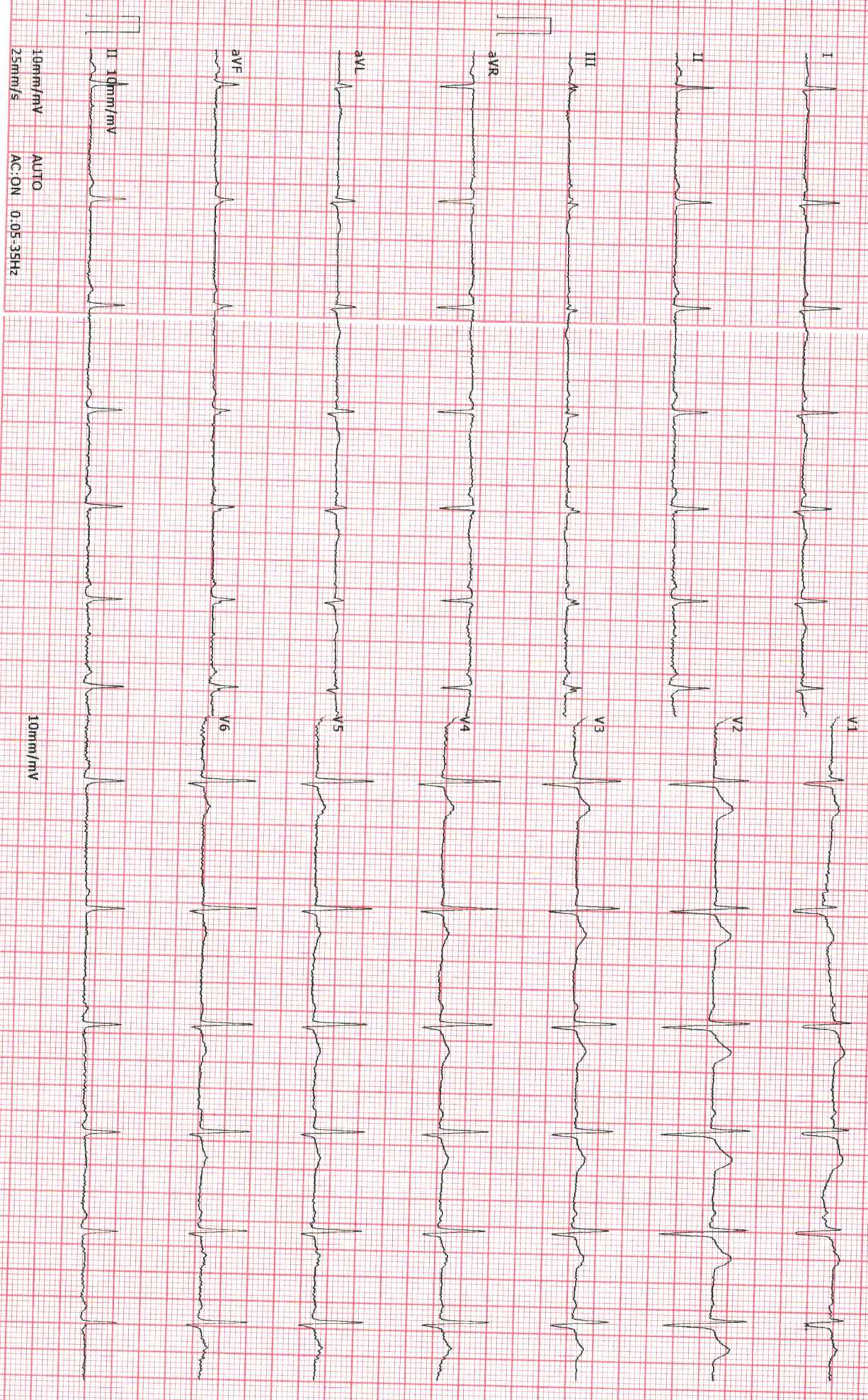
DOPPLER / COLOR FLOW				
MITRAL VALVE	E- 0.6	A - 0.9	m/sec	NO MR
AORTIC VALVE	1.0	-	m/sec	NO AR
TRICUSPID VALVE	E- 0.4	A - 0.2	m/sec	NO TR
PULMONARY VALVE	0.8	-	m/sec	NO PR

Name: MR. T. MILLIKHARJUNA Gender: Male
Age: 29
Weight(kg): 68
Height(cm):
Bf(mmhg): 113/77

Q-R-S ms 100
QT/QTc ms 336/380
P/QRS/T AXES deg 60/46/60
RV5/SV1 mV 0.97/0.52
RV5+SV1 mV 1.49

*The result must be confirmed by doctor!

Report Confirmed by:



10mm/mV
25mm/s
AUTO
AC:ON 0.05-35Hz

10mm/mV

Name	: Mr. RAO TUMMALACHERVU MALLIKHARJUNA	REG/LAB NO.	: 23020090 / 1251
AGE/SEX	: 29 Yrs / Male	DATE OF COLLECTION	: 11-02-2023 at 09:00 AM
REFERRED BY	:	DATE OF REPORT	: 13-02-2023 at 06:07 PM
REF CENTER	: MEDIWHEEL		

TEST PARAMETER	RESULT	REFERENCE RANGE
COMPLETE BLOOD COUNT(CBC)		
HAEMOGLOBIN	14.6 gm/dl	14 - 18 gm/dl
TOTAL COUNT	5400 cells/cumm	4000 - 11000 cells/cumm
DIFFERENTIAL COUNT		
NEUTROPHILS	60 %	40 - 70 %
LYMPHOCYTES	34 %	20 - 45 %
EOSINOPHILS	02 %	2 - 8 %
MONOCYTES	04 %	1 - 6 %
BASOPHILS	00 %	0 - 1 %
PLATELET COUNT	1.8 Lakhs/cumm	1.5 - 4.5 Lakhs/cumm
R.B.C COUNT	4.7 mill/cumm	4.5 - 6.2 mill/cumm
PACKED CELL VOLUME (PCV)	44 %	37 - 47 %
M.C.V	92 fl	80 - 98 fl
M.C.H	30 pg	26 - 34 pg
M.C.H.C	33 %	31 - 38 %
ESR	15 mm/hr	0 - 20 mm/hr

Interpretation:

ESR is non specific marker of inflammatory process. Its main clinical utility is in monitoring the course or response to treatment of various acute and chronic disorders like hematologic diseases, malignancy, collagen vascular disorders and renal diseases.



Name : **Mr. RAO TUMMALACHERVU**
MALLIKHARJUNA

REG/LAB NO. : 23020090 / 1251

AGE/SEX : 29 Yrs / Male

DATE OF COLLECTION : 11-02-2023 at 09:00 AM

REFERRED BY :

DATE OF REPORT : 13-02-2023 at 06:07 PM

REF CENTER : MEDIWHEEL



TEST PARAMETER	RESULT	REFERENCE RANGE
----------------	--------	-----------------

COMPLETE URINE ANALYSIS

PHYSICAL CHARACTERS

COLOUR	PALE YELLOW	PALE YELLOW
APPEARANCE	CLEAR	CLEAR
SPECIFIC GRAVITY	1.015	1.005-1.030
pH	6.0	4.5-7.0

CHEMICAL CONSTITUENTS

ALBUMIN	PRESENT (+)	ABSENT
SUGAR	GREEN(+)	ABSENT
BILE SALTS	ABSENT	ABSENT
BILE PIGMENTS	ABSENT	ABSENT
KETONE BODIES	ABSENT	ABSENT

MICROSCOPY

PUS CELLS	4 - 5 /hpf	4-6
R.B.C	NIL	0-4
EPITHELIAL CELLS	0 - 1 /hpf	0-2
CASTS	ABSENT	ABSENT
CRYSTALS	ABSENT	ABSENT

STOOL ANALYSIS


PHYSICAL EXAMINATION

CONSISTANCY	SEMI SOLID
COLOUR	BROWNISH
MUCUS	ABSENT
REDUCING SUGAR	ABSENT

MICROSCOPIC EXAMINATION

OVA	NIL
CYST	NIL
PUS CELLS	1-2 /hpf
RBC	NIL
MISCELLANEOUS	ABSENT
BLOOD GROUP	"O"
RH TYPE	NEGATIVE



Name	: Mr. RAO TUMMALACHERVU MALLIKHARJUNA	REG/LAB NO.	: 23020090 / 1251
AGE/SEX	: 29 Yrs / Male	DATE OF COLLECTION	: 11-02-2023 at 09:00 AM
REFERRED BY	:	DATE OF REPORT	: 13-02-2023 at 06:07 PM
REF CENTER	: MEDIWHEEL		

TEST PARAMETER	RESULT	REFERENCE RANGE
FASTING BLOOD SUGAR	117 mg/dl	60 - 110 mg/dl

COMMENTS :

80 - 99 mg/dL : Normal, 100 - 125 mg/dL : Impaired Fasting Glucose (Pre-Diabetes), >126 mg/ dL : Diabetes.
reference intervals for FBS from ADA RECOMMENDATION 2015.
A level of 126 mg/dL or above, confirmed by repeating the test on another day, means a person has diabetes.
Impaired fasting glucose (IFG) : Fasting glucose repeatedly is at upper limit, family history or abnormal lipid profile.
Advised : HbA1c and clinical correlation.

NOTE :

In absence of pregnancy, IGT and IFG are risk factors for future DM and cardiovascular disease ; they are not clinical entities.
A person's blood glucose levels normally move up and down depending on meals , Exercise, sickness, and stress.

POST PRANDIAL BLOOD SUGAR	216 mg/dl	70 - 140 mg/dl
FASTING URINE SUGAR	NIL	NIL
POST PRANDIAL URINE SUGAR (PPUS)	NIL	NIL
HbA1c (GLYCOSYLATED Hb) <small>HPLC</small>	6.0 %	Normal: <5.7 Pre-Diabetes: 5.7-6.4 Diabetes: 6.5

MEAN BLOOD GLUCOSE
Calculated 124.1

Degree of Control	HbA1c	MBG
Normal	< 6.0 %	61-124 mg/dl
Good Control	6.0-7.0 %	124-156 mg/dl
Fair Control	7.0-8.0 %	158-188 mg/dl
Poor Control	> 8.0 %	>188 mg/dl


Note:

1. Since HbA1c reflects long term fluctuations in the blood glucose concentration, a diabetic patient who is recently under good control may still have a high concentration of HbA1c.
2. Target goals of < 7.0 % may be beneficial in patients with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targeting a goal of < 7.0 % may not be appropriate.

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. ADA criteria for correlation between HbA1c & Mean plasma glucose levels.



Name	: Mr. RAO TUMMALACHERVU MALLIKHARJUNA	REG/LAB NO.	: 23020090 / 1251
AGE/SEX	: 29 Yrs / Male	DATE OF COLLECTION	: 11-02-2023 at 09:00 AM
REFERRED BY	:	DATE OF REPORT	: 13-02-2023 at 06:07 PM
REF CENTER	: MEDIWHEEL		

TEST PARAMETER	RESULT	REFERENCE RANGE
THYROID PROFILE (T3, T4, TSH)		
TOTAL TRIIODOTHYRONINE (T3) <small>CLIA</small>	0.83 ng/mL	0.60-1.81 1st Trimester :0.71 - 1.75 2nd Trimester :0.91 - 1.95 3rd Trimester :1.04 - 1.82
TOTAL THYROXINE (T4) <small>CLIA</small>	4.76 µg/dL	4.5-10.9 1st Trimester :6.5 - 10.1 2nd Trimester :7.5 - 10.03 3rd Trimester :6.3 - 9.7
THYROID STIMULATING HORMONE (TSH) <small>CLIA</small>	2.759 µIU/ml	0.35-5.5 1st Trimester :0.1 - 2.5 2nd Trimester :0.2 - 3.0 3rd Trimester :0.3 - 3.0

Note:

- 1.TSH levels are subject to circadian variation, reaching peak levels between 2 – 4 a.m. and at a minimum between 6-10 p.m. The variation is of the order of 50% hence time of the day has influence on the measured serum TSH concentrations.
- 2.Recommended test for T3 and T4 is unbound fraction or free levels as it is metabolically active.
- 3.Physiological rise in Total T3 / T4 levels is seen in pregnancy and in patients on steroid therapy.

Clinical Use:

Primary Hypothyroidism, Hyperthyroidism, Hypothalamic – Pituitary hypothyroidism, Inappropriate TSH secretion, Non thyroidal illness, Autoimmune thyroid disease, Pregnancy ,associated thyroid disorders, Thyroid dysfunction in infancy and early childhood

LIPID PROFILE TEST (LPT)

TOTAL CHOLESTEROL	108 mg/dl	up to 200 mg/dl
TRIGLYCERIDES	157 mg/dl	up to 200 mg/dl Special condition: Borderline high risk : 200 - 400 mg/dL Elevated : > 400 mg/dL
HDL CHOLESTEROL - DIRECT	30 mg/dl	35 - 55 mg/dl
LDL CHOLESTEROL - DIRECT	46.6 mg/dl	up to 150 mg/dl
VLDL CHOLESTEROL	31.4 mg/dl	0 - 60 mg/dl
TC/HDL	3.6	
LDL/HDL	1.6	



Name : **Mr. RAO TUMMALACHERVU**
MALLIKHARJUNA

REG/LAB NO. : 23020090 / 1251

AGE/SEX : 29 Yrs / Male

DATE OF COLLECTION : 11-02-2023 at 09:00 AM

REFERRED BY :

DATE OF REPORT : 13-02-2023 at 06:07 PM

REF CENTER : MEDIWHEEL




TEST PARAMETER	RESULT	REFERENCE RANGE
RENAL FUNCTION TEST (RFT)		
BLOOD UREA	23 mg/dL	11 - 45 mg/dL
SERUM URIC ACID	4.8 mg/dL	4.5 - 8.1 mg/dL
SERUM CREATININE	0.6 mg/dL	0.6 - 1.4 mg/dL
LIVER FUNCTION TEST (LFT)		
TOTAL BILIRUBIN	0.9 mg/dl	0 - 1 mg/dl
DIRECT BILIRUBIN	0.3 mg/dl	0 - 0.25 mg/dl
INDIRECT BILIRUBIN	0.6 mg/dl	0 - 0.75 mg/dl
TOTAL PROTEIN	7.8 g/dl	6 - 8.5 g/dl
SERUM ALBUMIN	4.3 g/dl	3.5 - 5.2 g/dl
SERUM GLOBULIN	3.5 g/dL	2.3 - 3.5 g/dL
A/G RATIO	1.2	1 - 1.5
ASPARATE AMINOTRANSFERASE (SGOT/AST)	52 U/L	up to 40 U/L
ALANINE AMINOTRANSFERASE (SGPT/ALT)	71 U/L	up to 40 U/L
ALKALINE PHOSPHATASE	92 IU/L	25 - 147 IU/L

Dispatched by: Somashekhara h c

**** End of Report ****

Printed by: Somashekhara h c on 13-02-2023 at 06:07 PM

Lab Technician



Dr. Sowmya T.M
DNB ,PDF
Consultant Pathologist

