

PID No. : MED121195713

Register Qn : 16/07/2022 8:50 AM

SID No. : 522221379

Collection On : 16/07/2022 9:56 AM

Age / Sex : 50 Year(s) / Male

Report On : 16/07/2022 4:38 PM

Type : Of

Printed On : 16/07/2022 6:08 PM

Ref. Dr : MediWheel

Investigation	Observed Unit Value		Biological Reference Interva	
HAEMATOLOGY				
Complete Blood Count With - ESR				
Haemoglobin (EDTA Blood'Spectrophotometry)	15.2	g/dL	13.5 - 18.0	
Packed Cell Volume(PCV)/Haematocrit	44.4	%	42 - 52	
(EDTA Blood)	1 2 3 6			
RBC Count (EDTA Blood)	5.10	mill/cu.mm	4.7 - 6.0	
Mean Corpuscular Volume(MCV) (EDTA Blood)	87.1	fL.	78 - 100	
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood)	29.8	pg	27 - 32	
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	34.3	g/dL	32 - 36	
RDW-CV	12.9	%	11.5 - 16.0	
RDW-SD	39,8	ſL.	39 - 46	
Total Leukocyte Count (TC) (EDTA Blood)	6100	cells/cu.mm	4000 - 11000	
Neutrophils (Blood)	53.2	%	40 - 75	
Lymphocytes (Blood)	34.2	% 1	20 - 45	
Eosinophils (Blood)	5.8	%	01 - 06	
(Divos)				

DR SHAMIM JAVED
MD PATHOLOGY
KMG 88902
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BIOCHEMISTRY			
Liver Function Test			
Bilirubin(Total) (Serum/DCA with ATCS)	1.25	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.33	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.92	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/Modified IFCC)	30.83	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/Modified IFCC)	46.42	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	39.91	U/L	< 55
Alkaline Phosphatase (SAP) (Serum/Modified IFCC)	63.9	U/L	53 - 128
Total Protein (Serum/Biuret)	6.77	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.61	gm/dl	3.5 - 5.2
Globulin (Serum/Derived)	2.16	gm/dL	2.3 - 3.6
A: GRATIO (Serum/Derived)	2.13		1.1 - 2.2
	71701701	AMIM JAVED	
	KI	PATHOLOGY MC 88902 PPROVED BY	

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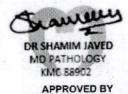
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Investigation		Observed Value	Unit	Biological Reference Interval
Lipid Profile				
Cholesterol Total (Serum/CHOD-PAP with ATCS)	200	214.37	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/GPO-PAP with ATCS)	100	184.02	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)		40.54	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 40 - 59 High Risk: < 40
LDL Cholesterol (Serum/Calculated)	100 4	137	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189
		- 1.		Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	306	36.8	mg/dL	< 30
Non HDL Cholesterol (Serum/Calculated)	135	173.8	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219
			17.	Very High: >= 220



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Investigation	Observed Unit	Biological
IIIVesugation	Value	Reference Interval

Printed On

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

5.3

Optimal: < 3.3

(Serum/Calculated)

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

4.5

Optimal: < 2.5

(TG/HDL)

Mild to moderate risk: 2.5 - 5.0

(Serum/Calculated)

High Risk: > 5.0

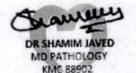
LDL/HDL Cholesterol Ratio

3.4

Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0

(Serum/Calculated)

High Risk: > 6.0



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: MediWheel Ref. Dr

Biological Unit Observed Investigation Reference Interval Value Glycosylated Haemoglobin (HbA1c) Normal: 4.5 - 5.6 9/0 Prediabetes: 5.7 - 6.4 (Whole Blood/HPLC) 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)

145.59

mg/dL

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,

hypertriglyceridemia, hyperbilirubinemia, Drugs, Alcohol, Lead Poisoning, Asplenia can give falsely elevated HbAlC 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.



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Ref. Dr

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Investigation	Observed Unit Value	Biological Reference Interval

IMMUNOASSAY

THYROID PROFILE / TFT

T3 (Triiodothyronine) - Total

1.14 ng/ml 0.7 - 2.04

(Serum/ECLIA)

INTERPRETATION:

Comment:

Total T3 variation can be seen in other condition like pregnancy, drugs, nephrosis etc. In such cases, Free T3 is recommended as it is Metabolically active.

T4 (Tyroxine) - Total

6.40

µg/dl

4.2 - 12.0

(Serum/ECLIA)

INTERPRETATION:

Comment:

Total T4 variation can be seen in other condition like pregnancy, drugs, nephrosis etc. In such cases, Free T4 is recommended as it is Metabolically active.

TSH (Thyroid Stimulating Hormone)

1.34

µIU/mL

0.35 - 5.50

(Serum/ECLIA)

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 depends on Iodine intake, TPO status, Serum HCG concentration, race, Ethnicity and BMI.

2.TSH Levels are subject to circadian variation, reaching peak levels between 2-4am and at a minimum between 6-10PM. The variation can be of the order of 50%, hence time of the day has influence on the measured 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.



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Name

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Investigation	Observed Unit	Biological
invesugation	Value	Reference Interval

CLINICAL PATHOLOGY

PHYSICAL EXAMINATION (URINE COMPLETE)

Colour	Pale yellow	Yellow to Amber
(Urine) Appearance	Clear	Clear
(Urine) Volume(CLU)	15	

(Urine) CHEMICAL EXAMINATION (URINE COMPLETE)

pH		6.0			4.5 - 8.0
(Urine)					

(0.1111)		
Specific Gravity	1.004	1.002 - 1.035

(Urine)		
	Negative	Negative
Ketone	regative	8

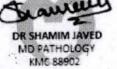
(Offine)		E
Urobilinogen	Normal	Normal
(Urine)		

Blood	Negative			riegative
(Urine)				
Nitrite	Negative		/	Negative
(Urine)		100		
Bilirubin	Negative			Negative

(Offic)		***
Bilirubin	Negative	Negative
(Urine)		
	21	Negative

(Office)	S. B. Santana		* Parameters
Protein	Negative.		Negative
(Urine)			





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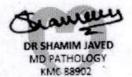
: MediWheel Ref. Dr

Investigation	Observed Value	<u>Unit</u>	Biological Reference Interval
Glucose (Urine/GOD - POD)	Negative		Negative
Leukocytes(CP) (Urine)	Negative		
MICROSCOPIC EXAMINATION (URINE COMPLETE)			
Pus Cells (Urine)	0-1	/hpf	NIL
Epithelial Cells (Urine)	0-1	/hpf	NIL
RBCs (Urine)	NIL	/HPF	NIL
Others (Urine)	NIL		
	ated Uring Analyser & Autor	nated urine sedimenta	tion analyser. All abnormal reports:

INTERPRETATION: Note: Done with Automated Urine Analyser & Automated urine sedimentation analy reviewed and confirmed microscopically.



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Investigation

: MediWheel

Observed Value

Unit

Biological Reference Interval

IMMUNOHAEMATOLOGY

BLOOD GROUPING AND Rh TYPING

'AB' 'Positive'

(EDTA Blood'Agglutination)

INTERPRETATION: Note: Slide method is screening method. Kindly confirm with Tube method for transfusion.

Sr.Consultant Pathologist

Reg No: 100674

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DR SHAMIM JAVED MD PATHOLOGY KMC 88902

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Investigation	Observed Unit Value	Biological Reference Interval
BIOCHEMISTRY		
BUN / Creatinine Ratio	8.4	6.0 - 22.0
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	123.85 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)

Negative

Negative

(Urine - F/GOD - POD)

Glucose Postprandial (PPBS)

mg/dL 133.64

70 - 140

(Plasma - PP/GOD-PAP)

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 Glucose(PP-2 hours) (Urine - PP)	Negative		Negative
Blood Urea Nitrogen (BUN)	10.9	mg/dL	7.0 - 21
(Scrum/Urease UV / derived) Creatinine	1.29	mg/dL	0.9 - 1.3

(Serum/Modified Jaffe)

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-acetyleyteine , chemotherapeutic agent such as flucytosine

Uric Acid (Serum/Enzymatic) 6.68

3.5 - 7.2



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IMMUNOASSAY	. 1		
Prostate specific antigen - Total(PSA) (Serum/Manometric method)	0.603	ng/ml	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



VERIFIED BY

DR SHAMIM JAVED
MD PATHOLOGY

KMC 88902

APPROVED BY

-- End of Report --

The results pertain to sample tested.

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Dr.SHYLESH REDDY

M.B.B.S, Dip.DIAB,[A.U]

KMC # 66843

Cons. Physician & Diabetologist

Email: drshyleshreddy@yahoo.com

Venkatananayana BR:- 140/90 mmg/Hg

50 M.

Styl. 72DM, Dyslipidomia, HTN

- Strict diet, regular exercise Imiday

- check fastingliped profile, Sicreatining, 416-41c

'after 2 months

4- 190

w - 98.2

h.p. 42

coaist - 41

July 16/7/2-

Customer Name	MR. N VENKATANARAYANA	Customer ID	MED121195713
Age & Gender	50Y/MALE	Visit Date	16/07/2022
Ref Doctor	MediWheel		



ABDOMINO-PELVIC ULTRASONOGRAPHY

LIVER is normal in shape, size (12.8cm) and has **increased echogenicity**. No evidence of focal lesion or intrahepatic biliary ductal dilatation. Hepatic and portal vein radicals are normal.

GALL BLADDER show normal shape and has clear contents. Wall is of normal thickness. CBD is of normal calibre.

PANCREAS has normal shape, size and uniform echopattern. No evidence of ductal dilatation or calcification.

SPLEEN shows normal shape, size (10.9cm) and echopattern.

No demonstrable Para-aortic lymphadenopathy.

KIDNEYS

Right kidney: Normal in shape, size and echopattern. Cortico-medullary differentiation is well madeout. No evidence of calculus or hydronephrosis.

Left kidney: Normal in shape, size and echopattern. Cortico-medullary differentiation is well madeout. No evidence of calculus or hydronephrosis.

The kidney measures as follows:

NAME OF THE OWNER OW	Bipolar length (cm)	Parenchymal thickness (cm)
Right Kidney	11.1	1.5
Left Kidney	11.9	1.6

URINARY BLADDER shows normal shape and wall thickness. It has clear contents. No evidence of diverticula.

PROSTATE shows normal shape, size and echopattern. It volume: 16cc.

No evidence of ascites.

IMPRESSION:

Grade I fatty infiltration of liver.

DR. HEMANANDINI V.N

CONSULTANT RADIOLOGIST

Hn/lr



CLUMAX DIAGNOSTICS 2nd Main, Bashyam Circle, Vyalikaval , Bangalore-560003



Customer Name	MR. N VENKATANARAYANA	Customer ID	MED121195713
Age & Gender	50Y/MALE	Visit Date	16/07/2022
Ref Doctor	MediWheel		







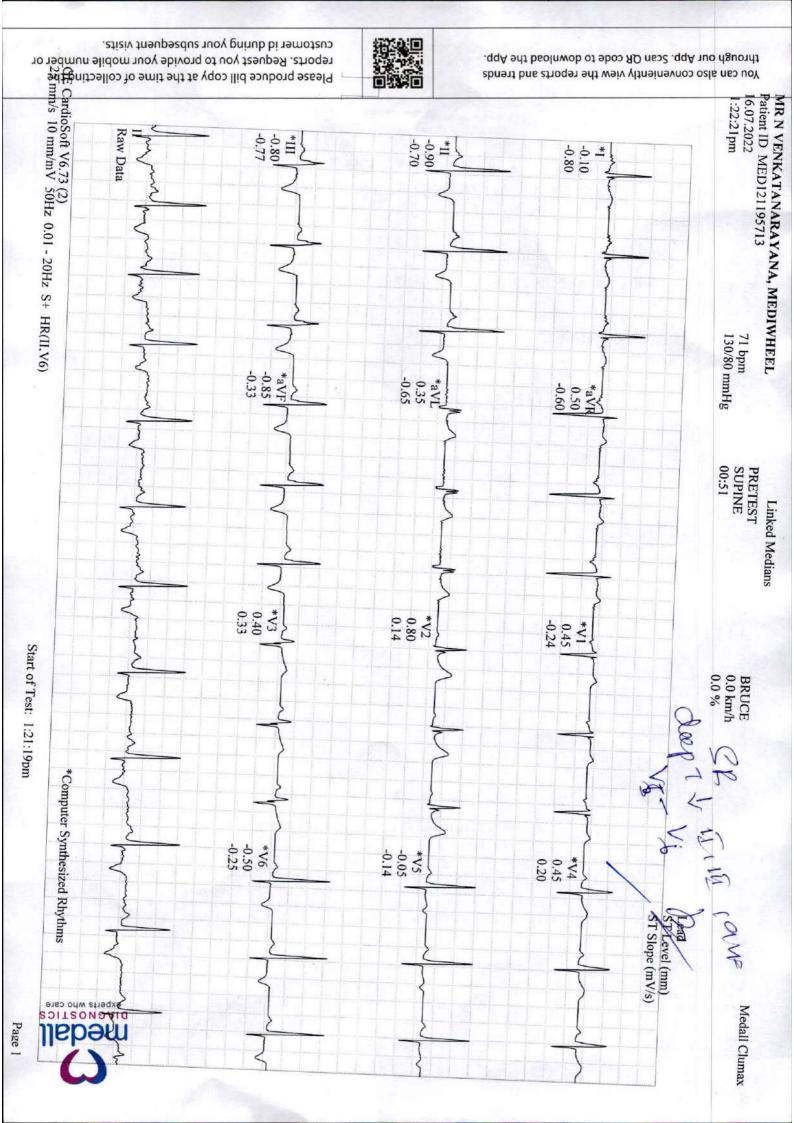














Customer Name	MR. N VENKATANARAYANA	Customer ID	MED121195713
Age & Gender	50Y/MALE	Visit Date	16/07/2022
Ref Doctor	MediWheel		

2D ECHOCARDIOGRAPHIC STUDY

cms.

2.70

M-mode measurement:

AORTA : 2.51 cms.

AVS : 1.47 cms.

LEFT VENTRICLE

LEFT ATRIUM

(DIASTOLE) : 4.68 cms. (SYSTOLE) : 2.80 cms.

VENTRICULAR SEPTUM

(DIASTOLE) : 1.21 cms. (SYSTOLE) : 1.74 cms.

POSTERIOR WALL

(DIASTOLE) : 1.59 cms. (SYSTOLE) : 1.40 cms.

EDV : 101 ml.

ESV : 29 ml.

FRACTIONAL SHORTENING : 40 %

EJECTION FRACTION : . 60 %

EPSS : ---- cms.

RVID : 1.80 cms.

DOPPLER MEASUREMENTS:

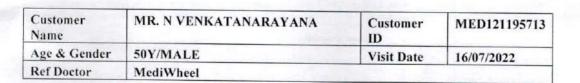
MITRAL VALVE: E - 0.8 m/s A -0.6 m/s NO MR.

AORTIC VALVE: 1.1 m/s NO AR.

TRICUSPID VALVE: E - 0.4 m/s A -0.3 m/s TRIVIAL TR.PASP-10mmHg

PULMONARY VALVE: 0.8 m/s NO PR.







2D ECHOCARDIOGRAPHY FINDINGS:

Left Ventricle

Concentric L V H, Normal systolic function.

No regional wall motion abnormalities.

Left Atrium

Normal.

Right Ventricle

Normal.

Right Atrium

Normal.

Mitral Valve

Normal. No mitral valve prolapsed.

Aortic Valve

Normal. Trileaflet.

Tricuspid Valve

Normal.

Pulmonary Valve

Normal.

IAS

Intact.

IVS

Intact.

Pericardium

No pericardial effusion.

IMPRESSION:

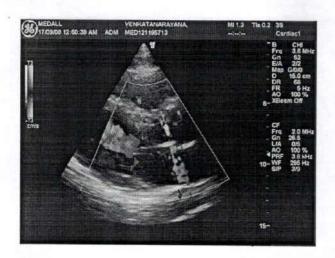
- CONCENTRIC L V H.
- NORMAL LV SYSTOLIC FUNCTION. EF: 60 %.
- NO REGIONAL WALL MOTION ABNORMALITIES.
- TRIVIAL TR, PASP 10mmHg.
- NORMAL VALVES.
- NO CLOTS / PERICARDIAL EFFUSION / VEGETATION.

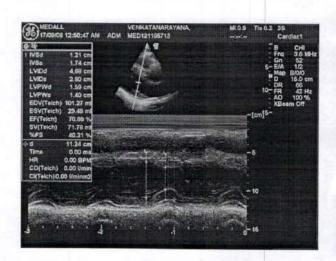
DR. YASHODA RAVI CONSULTANT CARDIOLOGIST

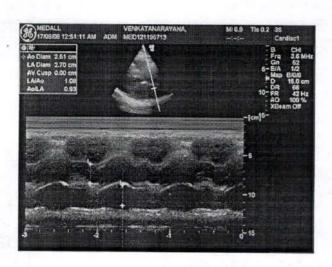
CLUMAX DIAGNOSTICS 2nd Main,Bashyam Circle,Vyalikaval ,Bangalore-560003

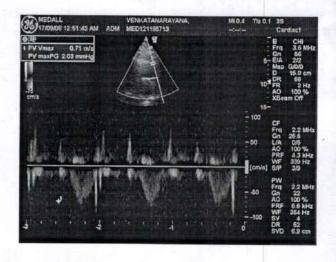


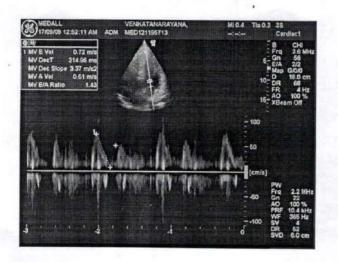
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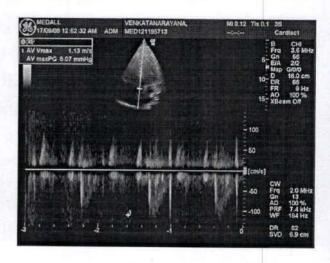












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Name	N VENKATANARAYANA	Customer ID	MED121195713
Age & Gender	50Y/M	Visit Date	Jul 16 2022 8:49AM
Ref Doctor	MediWheel		

X - RAY CHEST PA VIEW

Patient rotation is noted.

Bilateral lung fields appear normal.

Cardiac size is within normal limits.

Bilateral hilar regions appear normal.

Bilateral domes of diaphragm and costophrenic angles are normal.

Visualised bones and soft tissues appear normal.

IMPRESSION:

No significant abnormality detected.

W P. VIT

DR.HEMANANDHINI

CONSULTANT RADIOLOGIST

