

Dr. SANJAY KISHORE MBBS, MD (MEDICINE) Consultant Physician Reg. No. -22643

Date	:-	11.7.25
Bill No.	:-	••••••

Name :- My Shiva Kuma Age :- Mgg. Gender: - M

Present Complaints:

Other Significant Diseases:-

History of Past Illness:-

Present Illness:-

Provisional Clinical Diagnosis:-

FJA107. (TJH 7.3 RX.

Height
Weight
Temp.
Resp.
Pulse
BP

long fot dystake diet Endoennolgist for THAIC LTM

Dr. Sanjay Kishore
MBBS, MD (Medicine)

Reg. No.-22643







Patient Name :- Mr.Shiva Kumar

Bill No

:- 24252825

Refer By :- Self

Gender :-Male

Age:- 49Years

Date: - 09.03.2025

2D Echocardiogram Report

ECHOGENICITY :- Is Adequate.

DIMENSIONS	NORMAL DIMENSIONS	NORMAL
AO(ed):- 2.6 cm	(2.0 – 4.0 cm) IVS (Ed):- 1.1 cm	(0.6 – 1.1 cm)
LA(es):- 3.4 cm RVID (ed) :- 2.1 cm	(2.0 – 4.0cm) (1.5 – 2.4 cm)	(0.6 – 1.1 cm)
LVID(ed):- 4.1 cm LVID(es):- 2.6 cm	(3.3 – 5.4 cm) EF:- 60 % (2.0 – 4.0 cm) % FD:- 32 %	(55-65%) (28% - 42 %)

MOROPHOLOGICAL DATA

AML normal Mitral Valve:-Interatrial septum:-Normal PML normal Interventricular septum:-Normal. Aortic Valves:-Normal Pulmonary artery:-Normal. Tricuspid valve:-Normal Aorta :-Normal. Pulmonary valve:-Normal. Right atrium :-Normal. Right ventricle:-Normal Left atrium :-Normal.

Left ventricle:-

LV WALL MOTION ANALYSIS- No RWMA.

Pericardium:-

No echo free space.

Doppler studies:-

Normal flow across valves.

MV - 60/70 cm/Sec

PG - mmHg

AV - 125 cm/Sec

Impression:-

NO R.W.M.A, GRADE I LV DIASTOLIC DYSFUNCTION

VALVES ARE NORMAL, NORMAL IVC,

NORMAL PA PRESSURE, NO CARDIAC SHUNT

NORMAL LV/RV SIZE & SYSTOLIC FUNCTION, LVEF=60%

NO PE/Veg/ CLOT/Mass

Consultant Cardiology





Patient Name :- Mr. SHIVA KUMAR

Age/Gender :-49 Year(s)/Male

Referred By :- SELF,



BIII No#

:-BL/2425/2825

Collection Date Reporting Date

:-09/03/2025

Contact No

:-10/03/2025 :-7004825249

DEPARTMENT OF RADIOLOGY

Mediwheel Full Body Annual Plus Abv 50 Male

X-RAY CHEST- PA VIEW

Bilateral Lung fields are clear.
Both cardiophrenic & costophrenic angles are clear.
Cardiac size & bony cage is normal.

Greetings of good health from Ram Sa Medical Healthcare Patna. We sincerely thanks for the referral.



DR. Pawan Kumar Shah DMRD, Radiologist





Patient Name :- Mr.Shiva Kumar

Bill No :- 24252825

Refer By :- Self Gender:-Male

Age:-49Years

Date :- 09-03.2025

DEPARTMENT OF RADIOLOGY

Whole Abdomen

LIVER: 15.2 cm

Liver is grade I mild enlarged in size and echopattern . No focal intra-hepatic lesion detected. Intra-hepatic biliary radicals are not dilated. Fatty changes seen in liver parenchyma. Portal vein is 9.6 normal in calibre.

GALL BLADDER: Gall bladder appears echofree with normal wall thickness.

Common duct is not dilated & measures 3.9 mm.

PANCREAS: Pancreas is normal in size and echopattern.

SPLEEN: Spleen is normal in size & echopattern. Its measures 8.2 cm.

KIDNEYS:

RIGHT KIDNEY: - Measures 9.71 x 4.72 cm. LEFT KIDNEY: - Measures 9.74 x 4.75 cm.

Both kidneys are normal in position, size and outline. Cortico-medullary

differentiation of both kidneys is maintained. Central sinus echoes are compact.

URINARY BLADDER: Urinary bladder is normal in wall thickness with clear contents. No significant intra or extraluminal mass seen.

PROSTATE: - Prostate is normal in size and echo-pattern. It measures 14g in weight.

PRE-VOID: - 260 cc in volume. POST-VOID: -Nill in volume

OTHERS:- Visualized parts of retro-peritoneum do not reveal any lymphadenopathy.

No significant free fluid is detected.

Mild hepatomegaly grade I fatty liver. IMPRESSION:

Adv.:- Further Workup/ Other Investigation

Greetings of good health from RAMSA Medical Healthcare Patna. We sincerely thanks for the refered

Dr. Pawan Kumar Shah

Technologist

D.M.R.D **Radiologist**





Patient Name :-Mr. SHIVA KUMAR

Age/Gender :-49 Year(s)/Male

Referred By :- SELF,



Bill No#

:-BL/2425/2825

Collection Date :-09/03/2025

:-10/03/2025

Reporting Date
Contact No

:-7004825249

HAEMATOLOGY EXAMINATION

Investigations Observed Value Unit Reference - Range

Blood Group & Rh Factor

Blood Group

"R"

Rh Factor

Positive

Interpretation:-

When and if following bone marrow or liver transplantation there is disagreement between the results of ABO or Rh results based on testing of RBCs ("forward" testing) and results based on testing of plasma ("reverse" testing), the discrepancy will be reported.

If baby and mother are both Rh Negative on initial testing, weak D testing should be performed on the cord sample and conferm.

Erythrocyte Sedimentation Rate (Westergen Method)

First Hour	08	mm/hr	0 - 20
Second Hour	20	mm/hr	
Ratio	9		

Interpretation:-

The erythrocyte sedimentation rate increases with age; the upper limit is not clearly defined for patients > 60 years old.



Technician / Technologist







Patient Name :- Mr. SHIVA KUMAR

:-49 Year(s)/Male Age/Gender

Referred By :- SELF,



Bill No#

:-BL/2425/2825

Collection Date

:-09/03/2025 :-10/03/2025

Reporting Date Contact No

:-7004825249

HAEMATOL	OGY EXAM	MALTANIA
	UGI EXAI	JIIVA I IC JIV

Investigations	Observed Value	Unit	Reference - Range
COMPLETE BLOOD COUNT (C. B. C.)			- Mange
Total Leucocyte Count (TLC)	7300	cells/Cu. mm	4000 11000
Differential Leucocyte Count (DLC)	, 7300	cens/eu. mm	4000 - 11000
Neutrophil	65	%	60 - 75
Lymphocyte	32	%	20 - 35
Monocyte	01	%	1.0 - 6.0
Eosinophil	02	%	1.0 - 6.0
Basophil	00	%	0.0 - 1.0
Haemoglobin	14.1	gm/dl	12.0 - 17.5
Haemoglobin %	96.16	%	17.5
Red Blood Cells (RBC) Count	5.0	million/Cu mm	4.5 - 6.0
PCV / Haematocrit (HCT)	41.7	%	40 - 50
Mean Cell Volume (MCV)	83.4	w ho fi	80.0 - 99.0
Mean Cell Haemoglobin (MCH)	28.2	pg	26.5 - 33.5
Mean Cell Hb. Concentration (MCHC)	33.81	g/dl	32.0 - 36.0
Platelet Count	1.50	Lakh Cell/cum	1.5 - 4.5



Technician / Technologist



MD. (Pathology)





Patient Name :-Mr. SHIVA KUMAR

Age/Gender :-49 Year(s)/Male

Referred By :- SELF,



Bill No#

:-BL/2425/2825

Collection Date

:-09/03/2025

Reporting Date
Contact No

:-10/03/2025 :-7004825249

DIU-L-H	-MISIRY	EXAMINATION

Investigations		erved Value	Unit	Reference - Range
Blood Sugar Fasting	1	145	mg/dl	70 - 110
Blood Sugar Post Prandial (PP)	1	250	mg/dl	80 - 150

Interpretation:-

The Glucose Fasting test is done in the morning after an 8 to 12 hour overnight fast whereas the Glucose Postprandial test is done after a period of 2 hours from the start of the last meal. A healthcare professional will draw a blood sample from a vein in the arm.

Glycosylated Hemoglobin HbA1C

1

7.6

%

4.0 - 7.0

Interpretation:-

Management of Diabetes: When using HbA1c assay, the ADA recommended goal for A1c control for adult diabetic patients in general is <7%. In diabetic patients who have experienced recent blood loss, hemolysis, or have elevated reticulocyte counts for other reasons, the HgBA1c level may be lowered and may not reflect actual glycemic control. In pregnant patients with diabetes, the ADA recommends aiming for the range < 6% if it can be achieved without excessive hypoglycemia.

Technician / Technologist



RAMSA MEDICAL HEALTHCARE

atient Name :-Mr. SHIVA KUMAR

Age/Gender :-49 Year(s)/Male

Referred By :- SELF,



Bill No#

:-BL/2425/2825

Collection Date

:-09/03/2025 :-10/03/2025

Reporting Date Contact No

:-7004825249

RIO.	CHEM	IISTRY	FYAN	ΛΙΝΔΤ	MOL
DIV	- .	112121		//////	\mathbf{U}

Investigations	Observed Value	Unit	Reference - Range
Kidney / Renal Function Test			
Blood Urea	30	mg/dl	13.0 - 45.0
Serum Creatinine	1.0	mg/dl	0.6 - 1.4
Serum Uric Acid	6.2	mg/dl	3.4 - 7.0
Sodium (Na)	139	mcg Eq/L	136 - 143
Potassium (K)	3.9	mcg Eq/L	3.5 - 5.6
Chloride (CI)	97	mcg Eq/L	97.0 - 108.0

Technician / Technologist







atlent Name :-Mr. SHIVA KUMAR

Age/Gender :-49 Year(s)/Male

Referred By :- SELF,



Bill No#

:-BL/2425/2825

Collection Date

:-09/03/2025

Reporting Date

Contact No

:-10/03/2025 :-7004825249

BIO-CHEMISTRY EXAMINATION

Investigations	Observed Value	Unit	Reference - Range
Liver Function Test			
Bilirubin Total	0.72	mg/dl	0.0 - 1.3
Bilirubin Direct (Conjugated)	0.24	mg/dl	0.0 - 0.60
Bilirubin Indirect (Un Conjugated)	0.48	mg/dl	0.0 - 0.90
Alanine Transaminase (ALT/SGPT)	36	U/L	0.0 - 40.0
Aspartate Transaminase (AST/SGOT)	32	IU/L	0.0 - 37.0
Alkaline Phosphatase	90	U/L	41 - 137
Total Protein	6.6	g/dl	6.0 - 8.3
albumin	4.0	gm/dl	3.5 - 5.0
Globulin	2.6	gm/dl	2.3 - 3.3
A:G Ratio	1.54		0.9 - 2.0

Interpretation:-

Aspartate Aminotransferase (AST) Aspartate Aminotransferase (AST) catalyses conversion of nitrogenous portion of amino acid, essential to energy production in Krebs cycle. AST is released into serum in proportion to cellular damage and most elevated in acute phase of cellular necrosis. Useful in the detection and differential diagnosis of hepatic disease.

Alanine Aminotransferase (ALT) Alanine Aminotransferase catalyses reversible amine group transfer in Krebs cycle. Unlike AST, it is mainly in liver cells and is a relatively specific indicator of Hepatocellular damage. It is released early in liver damage and remain elevated for weeks.

Gamma Glutamyl Transferase (GGT) Gamma Glutamyl Transferase (GGT) is associated with transfer of amino acids across cell membranes. GGT is most useful when looking for Hepatocellular damage. Increased production of GGT as ductal enzymosis, with increased enzymes produced in response to Hepatocellular damage.

Total and Direct Bilirubin determination in Serum in used for the diagnosis, differntiaton and fllow-up of Jaundice & assess liver function. Elevated Unconjugated Bilirubin occur in hemolytic jaundice. The Conjugated Bilirubin is predominatly increased in obstructive jaundice due to regurgitation. Hepatic jaundice is associated with increase in both conjugated and Unconjugated Bilirubin.

Total Protein is increased in hypergammaglobulinemias (monoclonal or polyclonal) and hypovolemic states. It is decreased in nutritional deciciency, severe liver damage. Increased loss in Renal, GI disease, severe skin disease and blood loss. Albumin levels generally parallel total protein levels.

The liver Alkaline Phosphatase is increased in biliary obstruction. ALP is involved in bone calcification. So elevated level indicate liver or bone diseases or Pregnancy.



Dr. Manish Jaipuriyar MD. (Pathology)

Technician / Technologist





Patient Name :-Mr. SHIVA KUMAR

Age/Gender :-49 Year(s)/Male

Referred By :- SELF,



Bill No#

:-BL/2425/2825

Collection Date
Reporting Date

:-09/03/2025

Contact No

:-10/03/2025 :-7004825249

BIO-CHEMISTRY EXAMINATION

Investigations	Observed Value	Unit	Reference - Range
LIPID PROFILE			
Total Cholesterol	190	mg/dl	110 - 240
Serum Triglycerides	146	mg/dl	60 - 160
HDL Cholesterol	47.0	mg/dl	30 - 70
LDL Cholesterol	113.8	mg/dl	60 - 130
VLDL Cholesterol	29.2	mg/dl	5 - 40 🛴 🚣
Total: HDL Cholesterol Ratio	4.04	Ratio	

Interpretation:-

NLA - 2014 Recommendation	Total	Triglyceride	LDL	Non HDL	Total : HDL
	Cholesterol	"	Cholesterol	Cholesterol	Ratio
Optimal / Low Risk	< 200	< 150	< 100	< 130	3.3 - 4.4
Above Optimal / Average Risk	-	-	100 - 129	130 - 159	4.5 - 7.1
Borderline High / Moderate Risk	200 - 239	150 - 199	130 - 159	160 - 189	7.2 - 11.0
High Risk	>=240	200 - 499	160 - 189	190 - 219	>11.0
Very High Risk	> 400	>=500	>=190	>=220	

Note: 1. Measurements in the same patient can show physiological & analytical variations. Three serial samples 1 week apart are recommended for Total Cholesterol, Triglycerides, HDL& LDL Cholesterol.

- 2. NLA-2014 identifies Non HDL Cholesterol(an indicator of all atherogenic lipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants)along with LDL-cholesterol as co-primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL &Non HDL
- 3. Apolipoprotein B is an optional, secondary lipid target for treatment once LDL & Non HDL goals have been achieved.
- 4. Additional testing for Apolipoprotein B, hsCRP, Lp(a) & LP-PLA2 should be considered among patients with moderate risk for ASCVD for risk refinement.
- 5. A variety of genetic conditions are associated with accumulation in plasma of specific class of lipoprotein particles, are critical first step, as per Frederickson classification. It is important to consider & rule out secondary causes of hypertriglyceridemia (Obesity, Type 2 DM, Alcoholism, Renal failure, Cushing's syndrome etc.) before making the diagnosis of FHTG.



Technician / Technologist



RAMSA MEDICAL HEALTHCARE

Patient Name

:-Mr. SHIVA KUMAR

Age/Gender

:-49 Year(s)/Male

Referred By

:- SELF,

Serum Thyroid Stimulating Hormon (TSH) ↑



µlµ/ml

Bill No#

:-BL/2425/2825

Collection Date Reporting Date :-09/03/2025 :-10/03/2025

Contact No

:-7004825249

ELISA ASSEEY EXAMINATION							
Investigations	Observed Value	Unit	Reference - Range				
Prostate Specific Antigen Total	3.8	ng/ml	0.0 - 4.0				
Serum Tri-Iodothyronine (T3)	0.6	ng/ml	0.50 - 2.00				
Serum Thyroixine (T4)	5.0	μg/dl	4.5 - 11				

7.3

Interpretation:-

Wallach's reference range for Thyroid for Male & Non Pregnant

Age	TSH (µIU/ml)		T4(μg/dl)		T3(ng/ml)	
	From	То	From	То	From	To
1-4 Days•	1.0	39.0	11.08	21.61	0.97	7.42
1-4 Weeks	1.7	9.1	8.29	17.24	1.04	3.45
1-12 Months	0.8	8.2	5.93	16.38	1.04	2.47
1-5 Years	0.7	5.7	7.33	15.04	1.04	2.66
6-10 Years	0.7	5.7	6.40	13.33	0.91	2.40
11-15 Years	0.7	5.7	5.54	11.78	0.84	2.14
15-18 Years	0.7	5.7	4.21	11.86	0.78	2.0

Wallach's reference range for Thyroid for Pregnant Female

Pregnancy	TSH		T4		Т3	
	From	To	From	To	From	То
1st Trimester	0.3	4.5	0.81	1.90	7.80	14.77
2 nd Trimester	0.5	4.6	1.00	2.60	7.14	19.58
3 rd Trimester	0.8	5.2	1.00	2.60	8.32	17.02

0.28 - 6.80

The **Tri-lodothyronine (T3)** level may be elevated in the < 5% of hyperthyroid patients in whom the FT4 level is normal (T3 toxicosis). Measurement of T3 is of no value in the diagnosis of hypothyroidism. Total T3 can be affected by changes in thyroid binding protein levels. Measurements of Free T3 better reflect biologically active hormone levels than measurements of total T3.

Thyroxine (T4) is the major secretory hormone of the thyroid. Only 0.03% of T4 is unbound and free for exchange with tissues. Thyroid function may be assessed with thyroid stimulating hormone (TSH) and free T4 measured. Although free T4 is generally preferred over total T4 when monitoring thyroid function, the total T4 measurement may be preferred for monitoring of pregnant patients where total T4 reference ranges are available. The total T4 concentrations tend to be stable throughout pregnancy at 150% of the values in non- pregnant subjects and can be useful when the levels are evaluated according to pregnancy specific total T4 reference ranges which are approx. 1.5 times greater than non-pregnant ranges

Thyroid Stimulating Hormon (TSH) is primarily responsible for the synthesis and release of Thyroid hormones is an early and sensitive indicator of decrease in Thyroid reserve is the diagnostic of primaryhypothyroidism. The expeted increase in TSH demonstrates the classical feedback mechanism between pituitary and thyroid gland. Additionally TSH measurement is equally important in differntiating secondary and tertiary (hypothalmic) hypothyroidism. The increase in total T4 and T3 is associated with pregnancy, oral contraceptive and estrogen therapy results into masking of abnormal thyroid function only because of alteration of TBG Concentration, Which can be monitored by Calculating Freee Thyroxine Index (FTI) or Thyroid Hormone Binding Ratio (THBR).

- TSH stimulates the thyroid gland to produce the main thyroid hormones T3 and T4.
- In cases of hyperthyroidism TSH level is severely inhibited and may even be undetectable.
- In rare forms of high-origin hyperthyroidism, the TSH level is not reduced, since the NFB control of the thyroid hormones has no effect.
- · In cases of primary hypothyroidism, TSH levels are always much higher than normal and thyroid hormone levels are low.
- The TSH assay aids in diagnosing thyroid or hypophysial disorders.
- The T4 assay aids in assessing thyroid function, which is characterized by a decrease in thyroxine levels and an increase in patients with hyperthyroidism.
- The T3 plays an important part in maintaining euthyroidism.
- · TSH, T4 & T3 determination may be associated with other tests such as FT4 & FT3 assay, as well as with the clinical examination of the

Technician / Technologist







Patient Name

:-Mr. SHIVA KUMAR

Age/Gender

:-49 Year(s)/Male

Referred By

:- SELF,

Bill No#

:-BL/2425/2825

Collection Date

:-09/03/2025

Reporting Date

:-10/03/2025

Contact No

:-7004825249

URINE EXAMINATION

Investigations Observed Value Unit Reference - Range

Urine Sugar Fasting

Nil

Urine Sugar Post Prandial (PP)

Present (+++)



Technician / Technologist



- Rura Kumai Age

DR. AMIT SINHA B.D.S., M.D.S (DENTAL) Reg. No: BCMR-6242/A

·- 9/3/ Wr Date Bill No. :-

- Uls fealing to be done - Herrdine m/w court tource aday for

- COB of tools Michie con - Just

· heneralised Hami 4 calculus west amade TI



Dr. Amit Sinha B.D.S.,M.D.S Reg. No.:6242/A

फीस 15 दिनों के लिए मान्य है, 15 दिन बाद फीस पुनः लगेगी।

Beside Yadav Timber, East of Kanti Factory More, Kankarbagh Main Road, Patna-26 Contact No# +91 6122356151 +91 9229245090 Email:- Ramsamedicalhealthcare@gmail.com

RAM SA MEDICAL HEALTHCARE

