Patient Name : MR. RABINDRA KUMAR SAHOO

Age / Gender : 47 years / Male

Patient ID : 19717

Referral : SELF

Collection Time : Sep 10, 2022, 08:25 a.m.

Reporting Time : Sep 10, 2022, 01:05 p.m.

Sample ID :

221950302

Test Description	Value(s)	Unit(s)	Reference Range

ESR (1 hr)

ESR (Erythrocyte Sedimentation Rate)
(EDTA Whole Blood) [Capillary Photometry]

	10	mm/hr	< 15

Interpretation:

High ESR is not diagnostics of any disease but just indicative of some inflammatory process. ESR is to be used to monitor outcome of therapy. Microcytic anemia can increase ESR. High ESR can also be seen in apparently healthy adults.

END OF REPORT

Dr. Swetalina Pandey
Consultant Pathologist

Patient Name : MR. RABINDRA KUMAR SAHOO

Age / **Gender :** 47 years / Male

Patient ID : 19717

Referral : SELF

Collection Time : Sep 10, 2022, 08:25 a.m.

Reporting Time : Sep 10, 2022, 01:05 p.m.

Sample ID : 221950302

Test Description	Value(s)	Unit(s)	Reference Range
COMPLETE BLOOD COUNT(CBC)			
BLOOD COUNTS			
Hemoglobin (Hb)	14.0	g/dL	12.5 - 17
RED BLOOD CELL COUNT	4.7	mil/µL	4.5 - 5.5
WHITE BLOOD CELL COUNT	7.09	thou/µL	4.0 - 10.0
PLATELET COUNT	328	thou/µL	150 - 450
RBC AND PLATELET INDICES			
HEMATOCRIT	43.5	%	37 - 50
MEAN CORPUSCULAR VOLUME (MCV)	92	fL	76 - 96
MEAN CORPUSCULAR HEMOGLOBIN (MCH)	30	pg	27 - 32
MCHC	32	g/dL	30 - 35
MEAN PLATELET VOLUM (MPV)	**10.5**	fL	6.0 - 9.5
RDW-SD	43.5	fL	37 - 54
RDW-CV	12.7	%	11.5 - 14.0
PCT	0.23	%	0.17 - 0.40
WBC DIFFERENTIAL COUNT			
Neutrophils	57	%	40 - 75
Absolute Neutrophil Count	4.05	thou/µL	2.0 - 7.0
Lymphocytes	37	%	20 - 45
Absolute Lymphocyte Count	2.59	thou/µL	1.5 - 4.0
Eosinophils	03	%	1 - 6
Absolute Eosinophil Count	0.22	thou/µL	0.04 - 0.40
Monocytes	03	%	02 - 10
Absolute Monocyte Count	0.23	thou/µL	0.20 - 0.80
Basophils	0	%	00 - 01
Absolute Basophils Count	0.0	thou/µL	0.01 - 0.10
IG%	0.3	%	0.00 - 0.5

END OF REPORT

Dr. Swetalina Pandey
Consultant Pathologist

Patient Name : MR. RABINDRA KUMAR SAHOO

Age / Gender : 47 years / Male

Patient ID : 19717

Referral : SELF

Collection Time : Sep 10, 2022, 08:25 a.m.

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Sample ID :

221950302

Test Description	Value(s)	Unit(s)	Reference Range
LIPID PROFILE.			
Cholesterol-Total [CHOD-POD]	182.0	mg/dL	Desirable level | < 200 Borderline High | 200-239 High | >or = 240
Triglycerides [: GOD-POD METHOD]	111.0	mg/dL	Normal: < 150 Borderline High: 150-199 High: 200-499 Very High: >= 500
HDL Cholesterol [Serum, Direct measure-PEG]	42.5	mg/dL	Normal: > 40 Major Risk for Heart: < 40
LDL Cholesterol [Enzymatic selective protection]	117.30	mg/dL	Optimal < 100 Near / Above Optimal 100-129 Borderline High 130-159 High 160-189 Very High >or = 190
Non HDL Cholesterol	**140.0**	mg/dL	Optimal : <130 Desirable : 130 - 150 Border Line High : 159 - 189 High : 189 - 220 Very High : >=220
CHOL/HDL Ratio [CALCULATED PARAMETER]	4.28		3.5 - 5.0
LDL/HDL Ratio [CALCULATED PARAMETER]	2.76		2.5 - 3.5
VERY LOW DENSITY LIPOPROTEIN [Serum, Enzymatic]	22.20	mg/dL	< 30

END OF REPORT

Dr. Swetalina Pandey
Consultant Pathologist

Patient Name : MR. RABINDRA KUMAR SAHOO

Age / Gender : 47 years / Male

Patient ID : 19717

Referral : SELF

Collection Time : Sep 10, 2022, 08:25 a.m.

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Sample ID :

221950302

Test Description	Value(s)	Unit(s)	Reference Range
LIVER FUNCTION TEST (LFT)			
Bilirubin - Total [Serum, Jendrassik Grof]	0.53	mg/dL	0.3 - 1.2
Bilirubin - Direct [Serum, Diazotization]	0.17	mg/dL	< 0.2
Bilirubin - Indirect [Serum, Calculated]	0.36	mg/dL	0.1 - 1.0
SGOT [Serum, UV with P5P, IFCC 37 degree]	19.0	U/L	< 50
SGPT [Serum, UV with P5P, IFCC 37 degree]	17.7	U/L	< 50
Alkaline Phosphatase [PNPP-AMP Buffer/Kinetic]	74	U/L	30 - 120
Total Protein [Serum, Biuret, reagent blank end point]	7.6	g/dL	6.6 - 8.3
Albumin [Serum, Bromocresol green]	**4.8**	g/dL	3.2 - 4.6
Globulin [Serum, EIA]	2.80	g/dL	1.8 - 3.6
A/G Ratio [Serum, EIA]	1.71		1.2 - 2.2
Gamma GT(GGT)	27	U/L	<55

END OF REPORT

Dr. Swetalina Pandey
Consultant Pathologist

Patient Name : MR. RABINDRA KUMAR SAHOO

Age / Gender : 47 years / Male

Patient ID : 19717

Referral : SELF

Collection Time : Sep 10, 2022, 08:25 a.m.

Reporting Time : Sep 10, 2022, 01:05 p.m.

Sample ID :

||||||||||||| ||| ||||| ||| |||||
221950302

Test Description	Value(s)	Unit(s)	Reference Range
RENAL FUNCTION TEST (RFT)			
Urea [Uricase]	20.3	mg/dL	17 - 43
Blood Urea Nitrogen-BUN [Serum, Urease]	9.49	mg/dL	7 - 18
Creatinine [Serum, Jaffe]	0.81	mg/dL	0.67 - 1.17
Uric Acid [Serum, Uricase]	5.3	mg/dL	3.5 - 7.2
Sodium	142.5	mmol/L	136 - 149 Premature, cord: 116-140 Premature 48 hrs: 128-148 Newborn cord: 126-166 Newborn: 133-146
Potassium	4.0	mmol/L	3.8 - 5.0 Premature cord: 5-10.2 Premature , 48 hrs: 3-6 Newborn cord: 5.6-12 Newborn: 3.7-5.9
Chlorides	105.7	mmol/L	101.00 - 109.00

Remark:

In blood, Urea is usually reported as BUN and expressed in mg/dl. BUN mass units can be converted to urea mass units by multiplying by 2.14.

END OF REPORT

Dr. Swetalina Pandey
Consultant Pathologist

Patient Name : MR. RABINDRA KUMAR SAHOO

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Patient ID : 19717

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221950302

Test Description	Value(s)	Unit(s)	Reference Range

Routine Examination Of Urine

General Examination

Colour	PALE YELLOW		Pale Yellow
Transparency (Appearance)	CLEAR		Clear
Deposit	Absent		Absent
Reaction (pH)	Acidic 6.0		4.5 - 7.0
Specific gravity	1.010		1.005 - 1.030

Chemical Examination

Urine Protein (Albumin)	NIL		Absent
Urine Glucose (Sugar)	NIL		Absent

Microscopic Examination

Red blood cells	NIL	/hpf	1 - 2
Pus cells (WBCs)	1 - 2 /HPF	/hpf	1 - 2
Epithelial cells	2 - 4 /HPF	/hpf	0-4
Crystals	Absent		Absent
Cast	Absent		Absent
Bacteria	Absent		Absent
Yeast cells	Absent		Absent
Others	Nil		

END OF REPORT

Dr. Swetalina Pandey
Consultant Pathologist

Patient Name : MR. RABINDRA KUMAR SAHOO

Age / **Gender :** 47 years / Male

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221950302

Test Description	Value(s)	Unit(s)	Reference Range

THYROID PANEL, SERUM

T3 [ELECTROCHEMILUMINESCENCE]	97.67	ng/dl	80 - 200
T4 [ELECTROCHEMILUMINESCENCE]	8.24	ug/dL	5.1 - 14.1
TSH 3RD GENERATION [ELECTROCHEMILUMINESCENCE]	1.11	uIU/ml	0.27 - 4.20

Specimen Type : Serum

Interpretation :

Reference:

1.Tietz Textbook of Clinical Chemistry and Molecular Diagnostics, edited by Carl A Burtis, Edward R.Ashwood, David E Bruns, 4th Edition, Elsevier publication, 2006, 563,

1314-1315.

2. Wallach's Interpretation of Diagnostic tests, 9th Edition, Ed Mary A Williamson and L Michael Snyder. Pub Lippincott Williams and Wilkins, 2011, 234-235.

THYROID PANEL, SERUMTriiodothyronine T3 , is a thyroid hormone. It affects almost every physiological process in the body, including growth, development, metabolism, body temperature, and

heart rate. Production of T3 and its prohormone thyroxine (T4) is activated by thyroid-stimulating hormone (TSH), which is released from the pituitary gland. Elevated

concentrations of T3, and T4 in the blood inhibit the production of TSH.

Thyroxine T4, Thyroxine's principal function is to stimulate the metabolism of all cells and tissues in the body. Excessive secretion of thyroxine in the body is hyperthyroidism,

and deficient secretion is called hypothyroidism. Most of the thyroid hormone in blood is bound to transport proteins. Only a very small fraction of the circulating hormone is

free and biologically active.

In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are low.

Below mentioned are the guidelines for Pregnancy related reference ranges for Total T4, TSH & Total T3

Levels in Pregnancy	TOTAL T4 (µg/dL)	TSH3G (µIU/mL)	TOTAL T3 (ng/dL)
First Trimester	6.6 - 12.4	0.1 - 2.5	81 - 190
2nd Trimester	6.6 - 15.5	0.2 - 3.0	100 - 260
3rd Trimester	6.6 - 15.5	0.3 - 3.0	100 - 260

Below mentioned are the guidelines for age related reference ranges for T3 and T4.

T3 (ng/dL)	T4 (µg/dL)
New Born: 75 - 260	1-3 day: 8.2 - 19.9
	. 1 Week: 6.0 - 15.9

NOTE: TSH concentrations in apparently normal euthyroid subjects are known to be highly skewed, with a strong tailed distribution towards higher TSH values. This is well

documented in the pediatric population including the infant age group.

Kindly note: Method specific reference ranges are appearing on the report under biological reference range

END OF REPORT

Patient Name : MR. RABINDRA KUMAR SAHOO

Age / **Gender :** 47 years / Male

Patient ID : 19717

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Collection Time : Sep 10, 2022, 08:25 a.m.

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221950302

Test Description	Value(s)	Unit(s)	Reference Range

Dr. Swetalina Pandey
Consultant Pathologist

Patient Name : MR. RABINDRA KUMAR SAHOO

Age / Gender : 47 years / Male

Patient ID : 19717

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Test Description	Value(s)	Unit(s)	Reference Range

BLOOD GROUPING & RH TYPING

Blood Group (ABO typing) [Manual-Hemagglutination]	"B"		
RhD Factor (Rh Typing) [Manual hemagglutination]	Positive		

END OF REPORT

Dr. Swetalina Pandey
Consultant Pathologist

Patient Name : MR. RABINDRA KUMAR SAHOO

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Test Description	Value(s)	Unit(s)	Reference Range

HbA1C

HbA1c (GLYCOSYLATED HEMOGLOBIN), BLOOD [**(HPLC, NGSP certified)]**	7.5	%	Non-diabetic: < 5.7 Pre-diabetics: 5.7 - 6.4 Diabetics: > or = 6.5 ADA Target: 7.0 Action suggested: > 8.0
MEAN PLASMA GLUCOSE [HB VARIANT (HPLC)]	**169.0**		< 116.0

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. Converse is true for a diabetic previously under good control but now poorly controlled .

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.

HbA1c(%)	Mean Plasma Glucose (mg/dL)
6	126
7	154
8	183
9	212
10	240
11	269
12	298

Interpretation

As per American Diabetes Association (ADA)	
Reference Group	HbA1c in %
Non diabetic adults >=18 years	<5.7
At risk (Prediabetes)	5.7 - 6.4
Diagnosing Diabetes	>= 6.5

Patient Name : MR. RABINDRA KUMAR SAHOO

Age / Gender : 47 years / Male

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Test Description	Value(s)	Unit(s)	Reference Range
Therapeutic goals for glycemic control	Age > 19 years Goal of therapy: < 7.0 Action suggested: > 8.0 Age < 19 years Goal of therapy: <7.5		

END OF REPORT

Dr. Swetalina Pandey
Consultant Pathologist

Patient Name : MR. RABINDRA KUMAR SAHOO

Age / Gender : 47 years / Male

Patient ID : 19717

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Test Description	Value(s)	Unit(s)	Reference Range
STOOL COMPLETE ANALYSIS			
Color	Brownish		Brown
Consistency	Semisolid		Solid - Semi solid
Reaction (pH) [Methyl Red & Bromothymol Blue]	Alkaline		Acidic - Alkaline
Mucous	Absent		Absent
Blood	Absent		Absent
Pus cells	1-2/hpf	/hpf	Few
RBC	Absent	/hpf	Absent
Ova	Not found	/hpf	Absent
Cyst	Not found	/hpf	Absent
Starch granules	Absent	/hpf	None to small amount
Vegetable cells	Present (++)	/hpf	--
Fat globules	Absent	/hpf	Absent
bacteria	Normal	/hpf	Absent
Others [Microscopy (Concentration technique)]	Nil		

END OF REPORT

Dr. Swetalina Pandey
Consultant Pathologist

Patient Name : MR. RABINDRA KUMAR SAHOO

Age / Gender : 47 years / Male

Patient ID : 19717

Referral : SELF

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Test Description	Value(s)	Unit(s)	Reference Range
BLOOD GLUCOSE (FASTING)			
Glucose fasting [Fluoride Plasma-F, Hexokinase]	**116.0**	mg/dL	Normal: 70-110
			Impaired Tolerance: 110 - 125
			Diabetes mellitus: >= 126
			(on more than one occassion)
			(American diabetes association
			guidelines 2018)
Urine Fasting	Absent		

END OF REPORT

Dr. Swetalina Pandey
Consultant Pathologist

Patient Name : MR. RABINDRA KUMAR SAHOO

Age / Gender : 47 years / Male

Patient ID : 19717

Referral : SELF

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221950302

Test Description	Value(s)	Unit(s)	Reference Range

BLOOD GLUCOSE (PP)

Blood Glucose-Post Prandial [Hexokinase]	130.0	mg/dL	70 - 140
Urine Post Prandial	Absent		

END OF REPORT

Dr. Swetalina Pandey
Consultant Pathologist
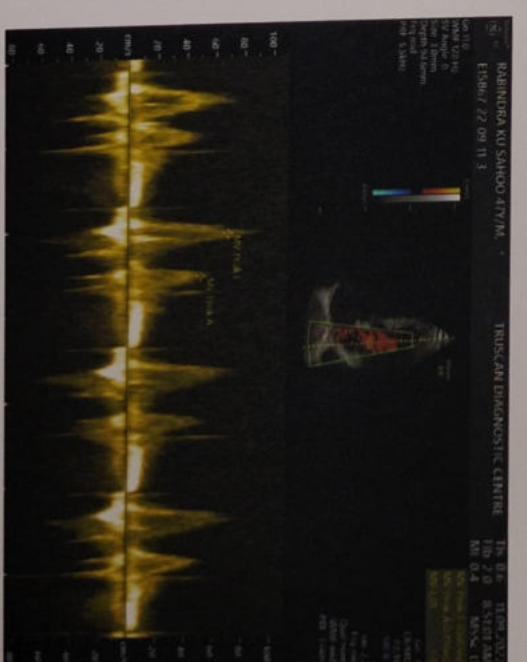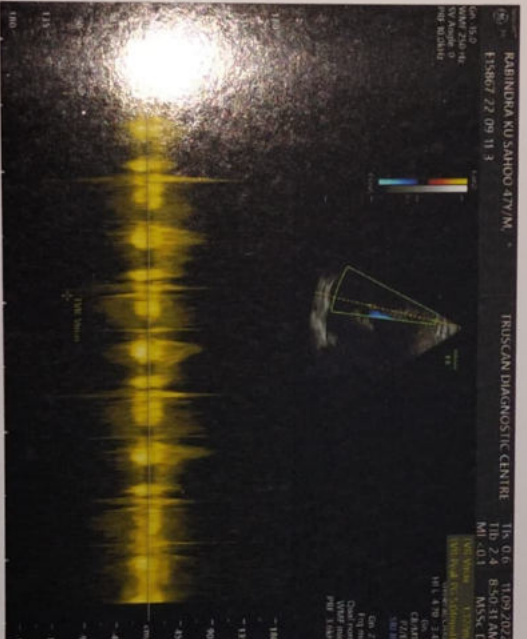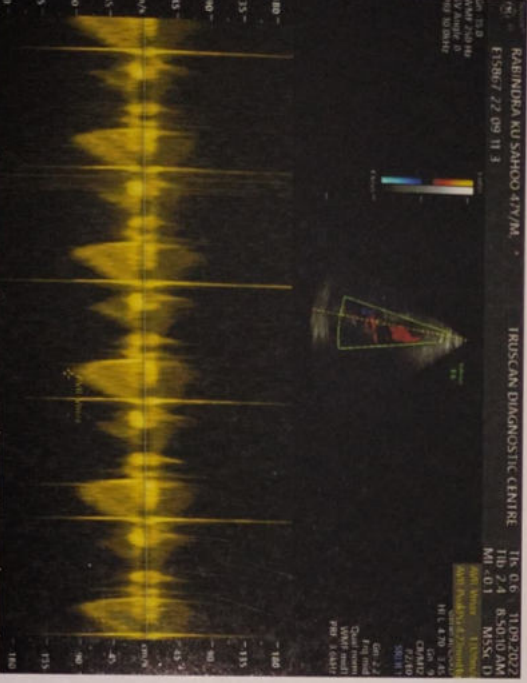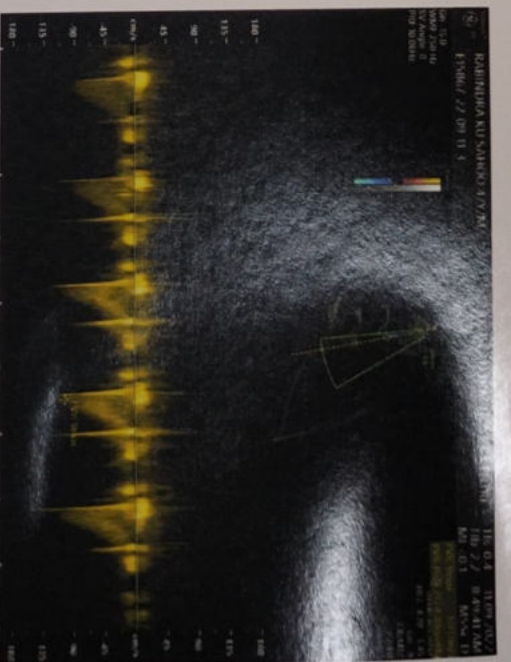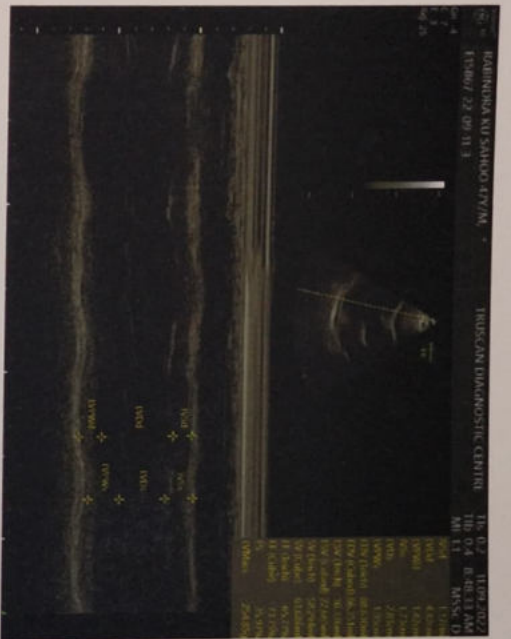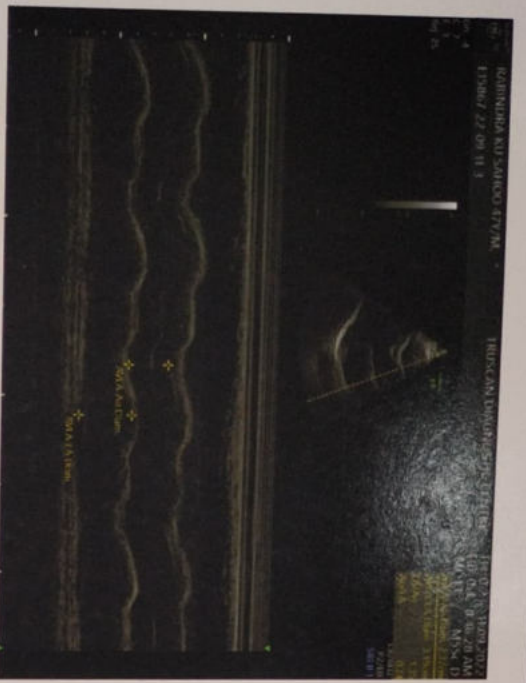
Name:	Mr. Rabindra Kumar Sahoo	AGE:	47	Sex:	Male
Refd by:	Self	Receipt no.		Date:	11.09.2022

2D ECHOCARDIOGRAPHY WITH M – MODE AND COLOR DOPPLER STUDY

M-MODE DATA:

PARAMETER	TEST VALUE
Aortic Root Diameter	2.3cm
Left Atrial Diameter	3.1cm
IV Septal Thickness (Diastole)	1.1cm
LV Internal Diameter(Diastole)	4.4cm
Post Wall Thickness(Diastole)	1.4cm
LV Internal Diameter (Systole)	2.8cm
LV Ejection Fraction	65%

DOPPLER DATA:

STRUCTURE	FLOW VELOCITY (m/sec)	PRESSURE GRADIENT (mmHg)	REGURGITATION (Grade)
MITRAL	E- 0.6 /A-0.4		Nil
TRICUSPID	1.1m/s	5.0mmHg	Nil
AORTIC	1.0m/s	4.2 mmHg	Nil
PULMONARY	1.0m/s	4.3mmHg	Nil

LEFT VENTRICLE :

Cavity size & wall thickness : Within normal limits.
LV wall motion study : No Regional wall motion abnormality at rest.
Systolic function : Good
Diastolic compliance : No DD.

LEFT ATRIUM :
Normal Size, No clots or mass noted.

RIGHT VENTRICLE AND RIGHT ATRIUM :
Normal Size, Good RV systolic function.

MITRAL VALVE:
Normal leaflets, good excursion, Normal Subvalvular apparatus.

AORTIC VALVE :
Three cusps – no thickening, good systolic excursion.

TRICUSPID VALVE :
Normal leaflets, normal sized annulus.

PULMONIC VALVE:
Normal cusps, good systolic excursion.

VENTRICULAR SEPTUM:
Intact.

INTER ATRIAL SEPTUM:
Intact.

PERICARDIUM:
No thickening, no effusion.

OTHERS:
No Intra-cardiac mass.

IMPRESSION:
No RWMA.
Normal LV systolic function.
No AS/AR, No MR/MS
No TR/No PAH.
No PE/Clot/VEG.

Dr. Bishnu Prasad Mishra
Consultant Cardiologist

Clinical correlation and further evaluation suggested

Rabindra Kumar Sahoo
ID: 19717

47 Years   Male

QRS	86 ms
QT / QTcBaz	380 / 410 ms
PR	144 ms
P	82 ms
RR / PP	854 / 857 ms
P / QRS / T	42 / -3 / 25 degrees

10.09.2022 8:54:54
TRUSCAN DIAGNOSTIC CENTRE
AIIMS HOSPITAL ROAD
BBSR

Normal sinus rhythm
Normal ECG

Location:
Room:
Order Number:
Indication:
Medication 1:
Medication 2:
Medication 3:

Technician:
Ordering Ph:
Referring Ph:
Attending Ph:

70 bpm
-- / -- mmHg

REF 210477/2-001

I

aVR

V1

V4

II

aVL

V2

V5

III

aVF

V3

V6

V1

GE   MAC2000   1.1   12SL™ v241   25 mm/s   10 mm/mV   ADS   0.56-20 Hz   50 Hz   4x2_5x3_25_R1   Unconfirmed   1/1
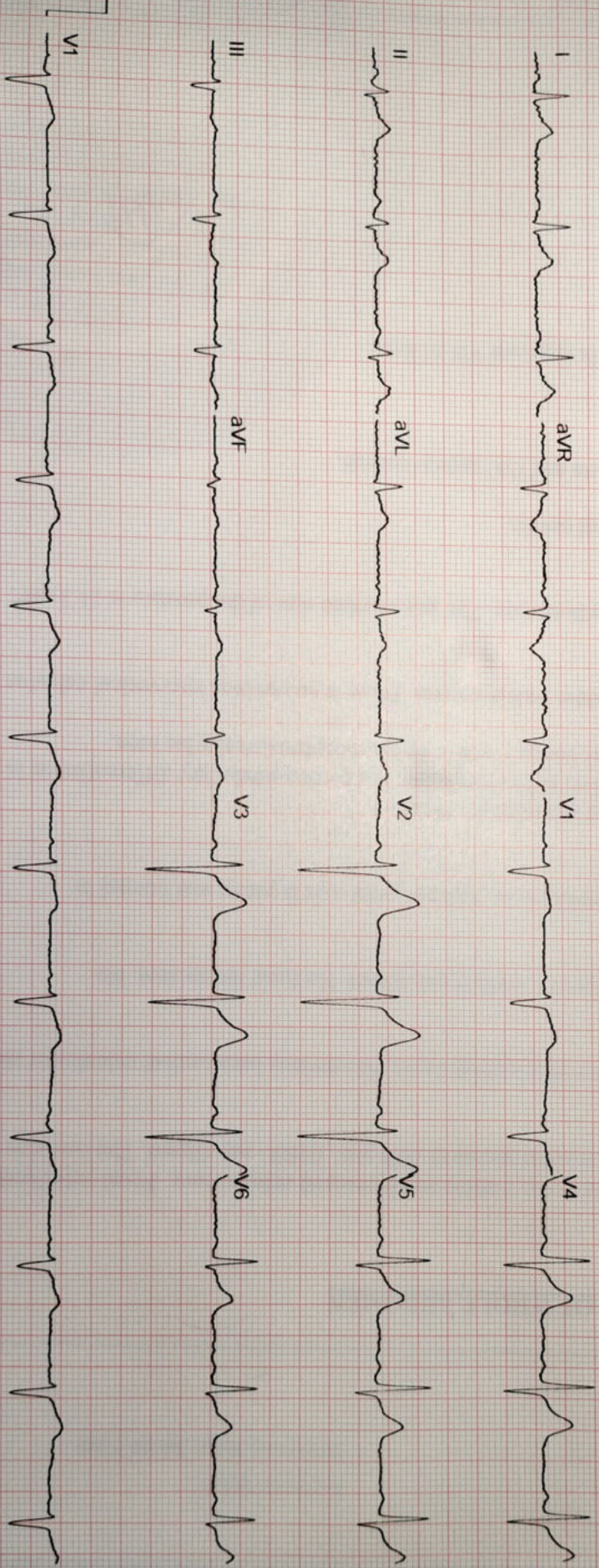
Patient Name: Mr. Rabindra Ku. Sahoo

Age/Gender: 47y/Male

Patient ID: 2

Referral: SELF

Reporting Date: 10.09.2022

USG OF WHOLE ABDOMEN

LIVER:
It is normal in size (14.98 cm) with normal in shape, outline and **increased echotexture. Focal calcification is seen in segment VII of liver.** Portal vein at porta measures 10.8 mm. IHBR- not dilated. The common bile duct at porta hepatis measures 2.9 mm.

GALLBLADDER:
It is normally distended. Its wall thickness is within normal limits. No obvious intraluminal calculus or mass is seen. Visualized lumen appears clear.

PANCREAS:
It is normal in shape, size, outline and echotexture. MPD is not dilated. No focal lesion seen. No peripancreatic fluid collection.

SPLEEN:
It is normal in size with normal outline and echotexture. Spleno-portal axis is patent and normal in dimensions. Splenic span is 8.88 cm.

KIDNEYS:
Right kidney measures 10.94 cm. Left kidney measures 11.48 cm.
Both kidneys are normal in shape, size, position and echotexture. The cortico-medullary differentiation is intact. The cortical thickness is within normal limits. There is no hydronephrosis/calculus seen.

URINARY BLADDER:
It is normal in capacity and contour. The bladder wall is normal. There is no obvious intravesical calculus or mass.

PROSTATE:
It is normal in size with normal outline and echotexture. The approximate size of the prostate is 21.3 cm^3.
Seminal vesicles appear grossly normal.

PERITONEUM:
There is no free or loculated fluid in peritoneal cavity.

RETROPERITONEUM:
There is no detectable lymphadenopathy. Aorta and IVC appear normal.

IMPRESSION:
Grade I fatty liver with focal calcification in segment VII of liver.

Dr. Sanjeet Kumar Nayak
Consultant Radiologist
Regd No. 956/09

Dr. Sanjeet Kumar Nayak
MD (Radio-Diagnosis)
Consultant Radiologist

(Thank you for your kind referral)
Clinical correlation and further evaluation suggested
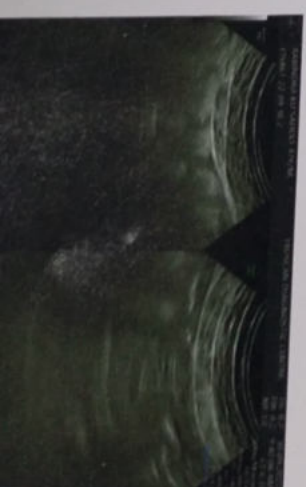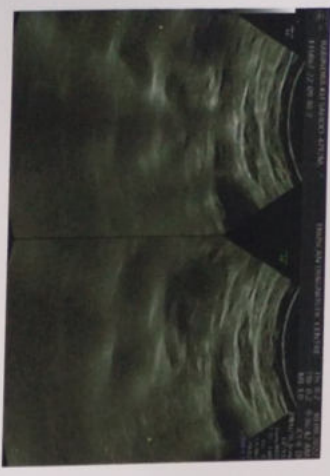
PATIENT ID	: 19717		PATIENT NAME	: RABINDRA KUMAR SAHOO 4
AGE	: -		SEX	: Male
REF. PHY.	:		STUDY DATE	: 10-Sep-2022

RADIOLOGY REPORT

EXAM:X RAY CHEST

CLINICAL HISTORY:

COMPARISON:
None

TECHNIQUE:
Frontal projections of the chest were obtained

FINDINGS
Both lung fields are clear.
Both costophrenic angles appear normal.
The tracheal lucency is centrally placed.
The mediastinal and diaphragmatic outlines appear normal.
The heart shadow is normal.
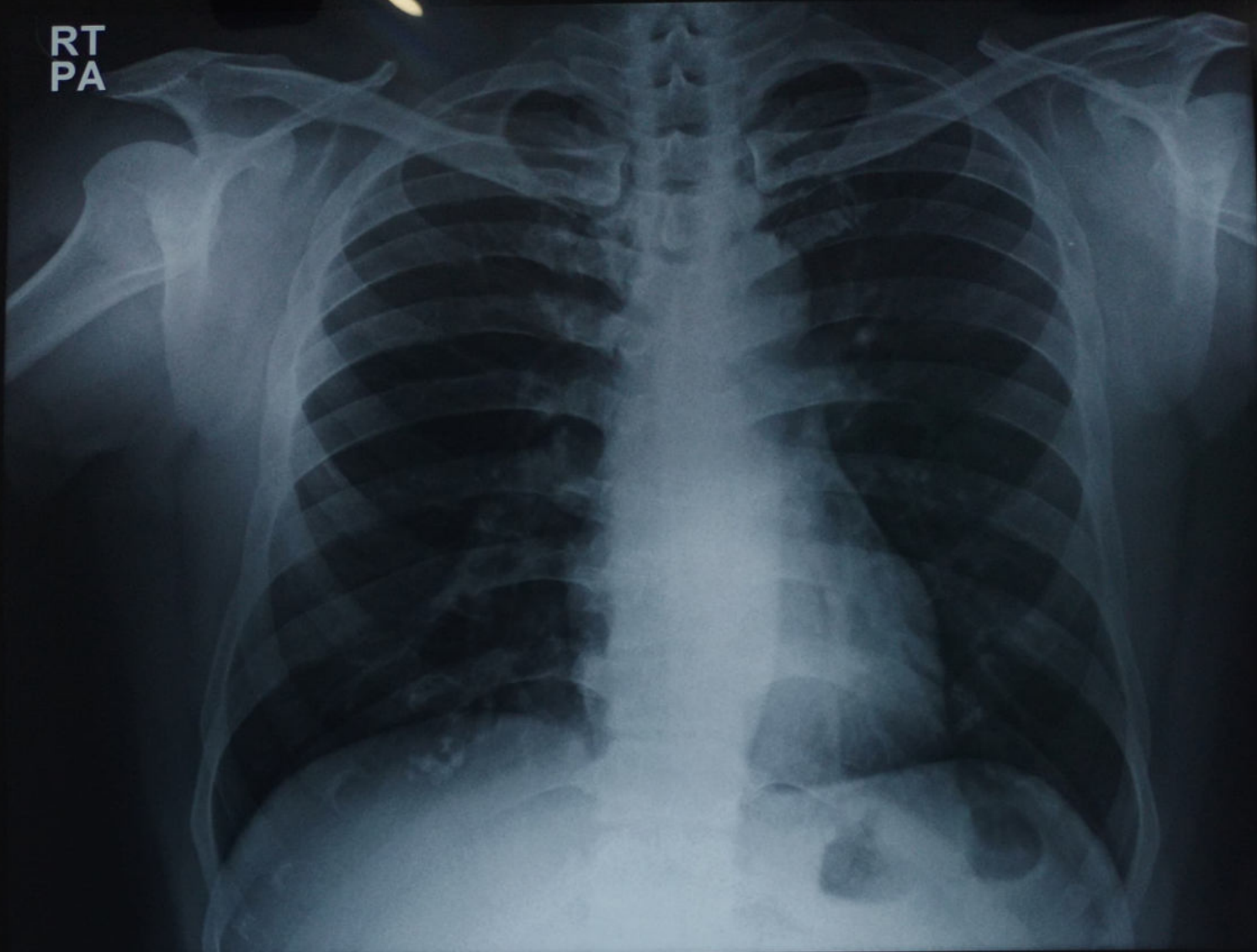The bony thoracic cage and soft tissues are normal.

IMPRESSION
1. The study is within normal limits.

Dr Shyam Sobti
Consultant radiologist
MBBS, DMRD
Regn No: 48545

Dr Shyam Sobti
10th Sep 2022

RT
PA

RABINDRA KUMAR SAHOO 47YRS M 19717 CHEST-(PA) 9/10/2022
TRUSCAN DIAGNOSTIC CENTRE,AIIMS ROAD, BBSR-19