

Patient Name: Mr. Subhendu Sekhar Panda

Age/Gender: 33y/Male

Patient ID: 18

Referral: SELF

Reporting Date: 10.10.2022

## USG OF WHOLE ABDOMEN

### **LIVER:**

It is normal in size (12.40 cm) with normal in shape, outline and **increased echotexture**. Portal vein at porta measures 10.8 mm. IHBR- not dilated. The common bile duct at porta hepatis measures 3.9 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 8.18 cm.

### **KIDNEYS:**

Right kidney measures 9.96x4.58 cm. Left kidney measures 10.60x4.95 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 12.2 cm<sup>3</sup>. 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 II fatty infiltration of liver.**

**(Thank you for your kind referral)**

Clinical correlation and further evaluation suggested

Dr. Neha Nupur (DMRD)  
Consultant Radiologist  
Registration No. 25218/2020

Dr. Neha Nupur  
Regd. No. - 25218/2020  
Consultant Radiologist



Name:	Mr. Subhendu Sekhar Panda	AGE:	43	Sex:	Male
Refd by:	SELF	Receipt no.		Date:	10.10.2022
2D ECHOCARDIOGRAPHY WITH M - MODE AND COLOR DOPPLER STUDY					

### M-MODE DATA:

PARAMETER	TEST VALUE
Aortic Root Diameter	2.60cm
Left Atrial Diameter	3.11cm
IV Septal Thickness (Diastole)	1.13cm
LV Internal Diameter(Diastole)	4.28cm
Post Wall Thickness(Diastole)	1.27cm
LV Internal Diameter (Systole)	2.58cm
LV Ejection Fraction	70%

### DOPPLER DATA:

STRUCTURE	FLOW VELOCITY (m/sec)	PRESSURE GRADIENT ( mmHg)	REGURGITATION (Grade)
MITRAL	E- 0.7/A-0.5		Nil
TRICUSPID	1.6 m/s	10.8 mmHg	Trace
AORTIC	1.2 m/s	6.4 mmHg	Nil
PULMONARY	1.0 m/s	4.1 mmHg	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.

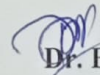
Normal LV systolic function.

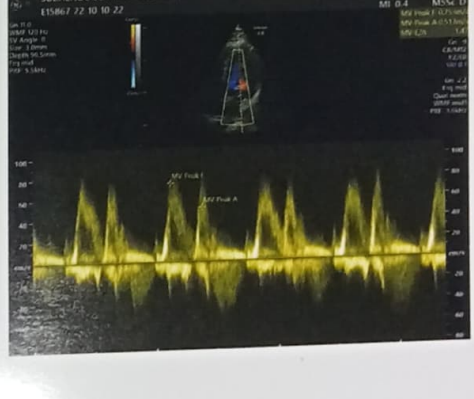
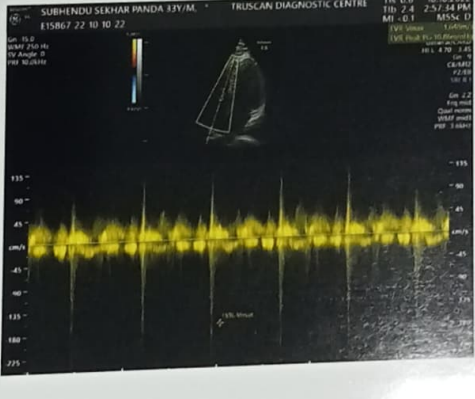
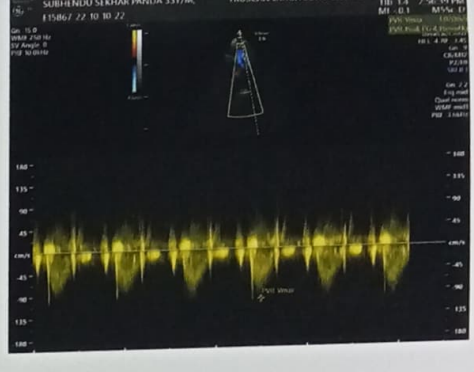
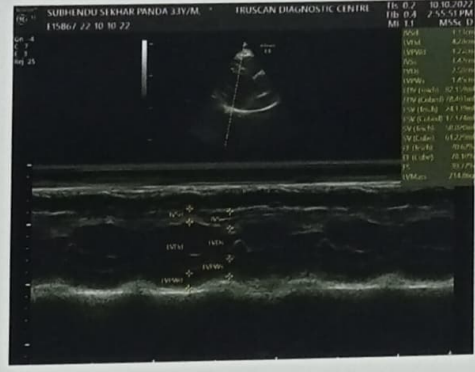
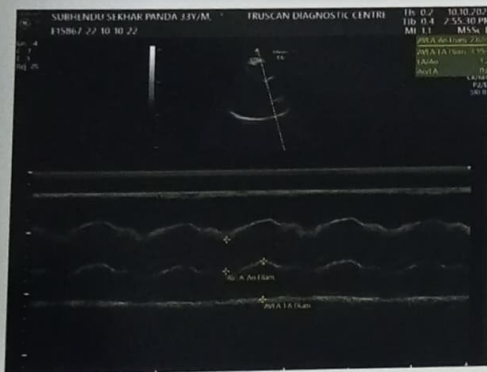
No AS/AR, No MR/MS

Trace TR/No PAH.

No PE/Clot/VEG.

Clinical correlation and further evaluation suggested

  
Dr. Bishnu Prasad Mishra  
Consultant Cardiologist



Subhendu Sekhar Panda  
ID: 21581

10.10.2022 13:35:05  
TRUSCAN DIAGNOSTIC CENTRE  
AIIMS HOSPITAL ROAD  
BBSR

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

86 bpm  
- / - mmHg

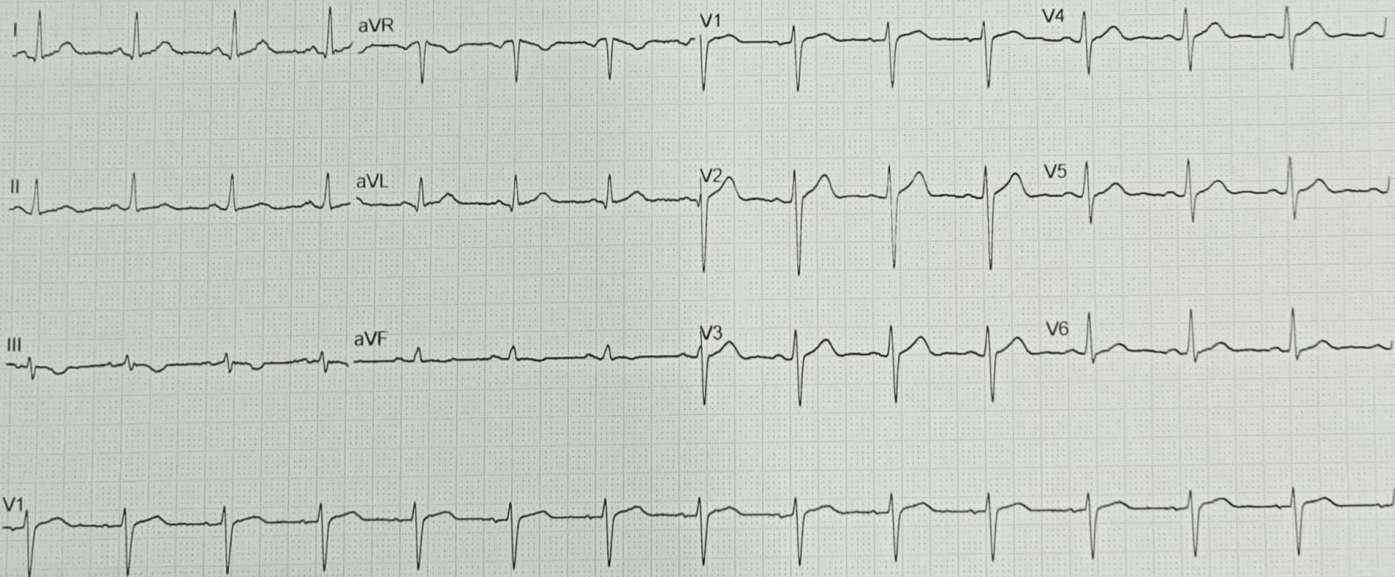
33 Years

Male

QRS	78 ms
QT / QTcBaz	348 / 416 ms
PR	142 ms
P	96 ms
RR / PP	698 / 697 ms
P / QRS / T	27 / 28 / 2 degrees

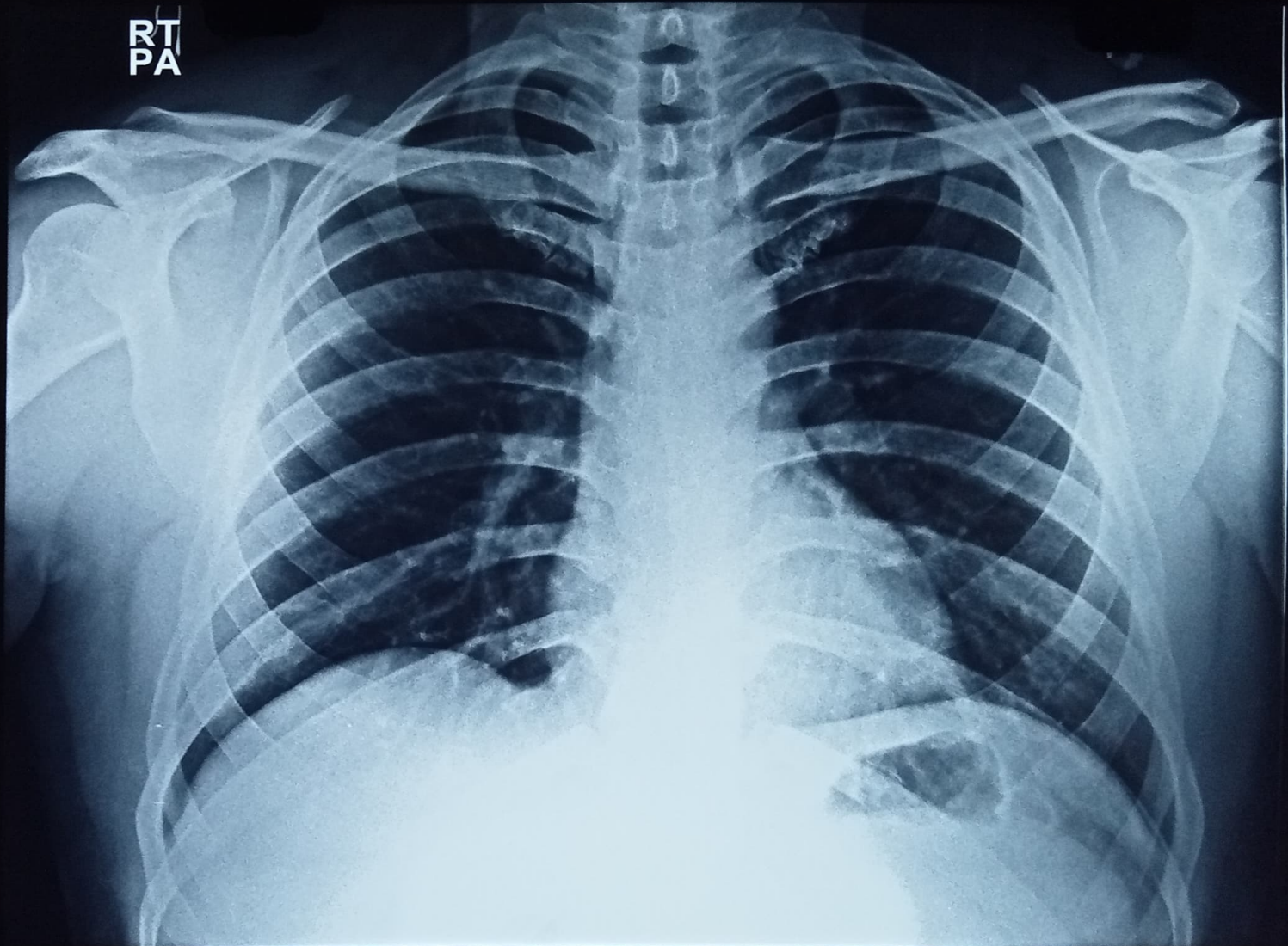
Normal sinus rhythm  
Normal ECG

Technician:  
Ordering Ph:  
Referring Ph:  
Attending Ph:



Unconfirmed

RT  
PA



SUBHENDU SEKHAR PANDA 33YRS M 21581 CHEST - (PA) 10/10/2022  
TRUSCAN DIAGNOSTIC CENTRE, AIIMS ROAD, BBSR-19

Patient Name : MR. SUBHENDU SEKHAR PANDA

Age / Gender : 33 years / Male

Patient ID : 21581

Referral : SELF

Collection Time : Oct 10, 2022, 12:32 p.m.

Reporting Time : Oct 10, 2022, 05:00 p.m.

Sample ID :



222121802

Test Description	Value(s)	Unit(s)	Reference Range
<b>COMPLETE BLOOD COUNT(CBC)</b>			
<b>BLOOD COUNTS</b>			
Hemoglobin (Hb)	14.1	g/dL	12.5 - 17
RED BLOOD CELL COUNT	5.07	mil/ $\mu$ L	4.5 - 5.5
WHITE BLOOD CELL COUNT	6.4	thou/ $\mu$ L	4.0 - 10.0
PLATELET COUNT	220	thou/ $\mu$ L	150 - 450
<b>RBC AND PLATELET INDICES</b>			
HEMATOCRIT	41.3	%	37 - 50
MEAN CORPUSCULAR VOLUME (MCV)	82	fL	76 - 96
MEAN CORPUSCULAR HEMOGLOBIN (MCH)	28	pg	27 - 32
MCHC	34	g/dL	30 - 35
MEAN PLATELET VOLUM (MPV)	<b>12.2</b>	fL	6.0 - 9.5
RDW-SD	39.7	fL	37 - 54
RDW-CV	13.2	%	11.5 - 14.0
PCT	0.23	%	0.17 - 0.40
<b>WBC DIFFERENTIAL COUNT</b>			
Neutrophils	59	%	40 - 75
Absolute Neutrophil Count	3.82	thou/ $\mu$ L	2.0 - 7.0
Lymphocytes	36	%	20 - 45
Absolute Lymphocyte Count	2.31	thou/ $\mu$ L	1.5 - 4.0
Eosinophils	02	%	1 - 6
Absolute Eosinophil Count	0.15	thou/ $\mu$ L	0.04 - 0.40
Monocytes	03	%	02 - 10
Absolute Monocyte Count	0.21	thou/ $\mu$ L	0.20 - 0.80
Basophils	0	%	00 - 01
Absolute Basophils Count	0.0	thou/ $\mu$ L	0.01 - 0.10
IG%	0.3	%	0.00 - 0.5

\*\*END OF REPORT\*\*

**Dr. Swetalina Pandey**  
Consultant Pathologist



Patient Name : MR. SUBHENDU SEKHAR PANDA

Age / Gender : 33 years / Male

Patient ID : 21581

Referral : SELF

Collection Time : Oct 10, 2022, 12:32 p.m.

Reporting Time : Oct 10, 2022, 05:00 p.m.

Sample ID :



222121802

Test Description	Value(s)	Unit(s)	Reference Range
<b>ESR ( 1 hr )</b>			
<b>ESR ( Erythrocyte Sedimentation Rate )</b> (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. SUBHENDU SEKHAR PANDA**Age / Gender** : 33 years / Male**Patient ID** : 21581**Referral** : SELF**Collection Time** : Oct 10, 2022, 12:32 p.m.**Reporting Time** : Oct 10, 2022, 05:00 p.m.**Sample ID** :

222121802

Test Description	Value(s)	Unit(s)	Reference Range
<b><u>LIPID PROFILE.</u></b>			
Cholesterol-Total [ CHOD-POD ]	166.0	mg/dL	Desirable level   < 200 Borderline High   200-239 High   >or = 240
Triglycerides [ : GOD-POD METHOD ]	130.0	mg/dL	Normal: < 150 Borderline High: 150-199 High: 200-499 Very High: >= 500
HDL Cholesterol [ Serum, Direct measure-PEG ]	48.2	mg/dL	Normal: > 40 Major Risk for Heart: < 40
LDL Cholesterol [ Enzymatic selective protection ]	91.80	mg/dL	Optimal < 100 Near / Above Optimal 100-129 Borderline High 130-159 High 160-189 Very High >or = 190
Non HDL Cholesterol	118.0	mg/dL	Optimal : <130 Desirable : 130 - 150 Border Line High : 159 - 189 High : 189 - 220 Very High : >=220
CHOL/HDL Ratio [ CALCULATED PARAMETER ]	<b>3.44</b>		3.5 - 5.0
LDL/HDL Ratio [ CALCULATED PARAMETER ]	<b>1.90</b>		2.5 - 3.5
VERY LOW DENSITY LIPOPROTEIN [ Serum, Enzymatic ]	26	mg/dL	< 30

**\*\*END OF REPORT\*\*****Dr. Swetalina Pandey**  
Consultant Pathologist

Patient Name : MR. SUBHENDU SEKHAR PANDA

Age / Gender : 33 years / Male

Patient ID : 21581

Referral : SELF

Collection Time : Oct 10, 2022, 12:32 p.m.

Reporting Time : Oct 10, 2022, 05:00 p.m.

Sample ID :



222121802

Test Description	Value(s)	Unit(s)	Reference Range
<b>LIVER FUNCTION TEST (LFT)</b>			
Bilirubin - Total [ Serum, Jendrassik Grof ]	0.59	mg/dL	0.3 - 1.2
Bilirubin - Direct [ Serum, Diazotization ]	0.20	mg/dL	< 0.2
Bilirubin - Indirect [ Serum, Calculated ]	0.39	mg/dL	0.1 - 1.0
SGOT [ Serum, UV with P5P, IFCC 37 degree ]	20.8	U/L	< 50
SGPT [ Serum, UV with P5P, IFCC 37 degree ]	32.2	U/L	< 50
Alkaline Phosphatase [ PNPP-AMP Buffer/Kinetic ]	80	U/L	30 - 120
Total Protein [ Serum, Biuret, reagent blank end point ]	7.7	g/dL	6.6 - 8.3
Albumin [ Serum, Bromocresol green ]	4.9	g/dL	3.2 - 4.6
Globulin [ Serum, EIA ]	2.80	g/dL	1.8 - 3.6
A/G Ratio [ Serum, EIA ]	1.75		1.2 - 2.2
Gamma GT(GGT)	21	U/L	<55

\*\*END OF REPORT\*\*

**Dr. Swetalina Pandey**  
Consultant Pathologist

**Patient Name** : MR. SUBHENDU SEKHAR PANDA**Age / Gender** : 33 years / Male**Patient ID** : 21581**Referral** : SELF**Collection Time** : Oct 10, 2022, 12:32 p.m.**Reporting Time** : Oct 10, 2022, 05:00 p.m.**Sample ID** :

222121802

Test Description	Value(s)	Unit(s)	Reference Range
<b>RENAL FUNCTION TEST (RFT)</b>			
Urea [ Uricase ]	22.5	mg/dL	17 - 43
Blood Urea Nitrogen-BUN [ Serum, Urease ]	10.51	mg/dL	7 - 18
Creatinine [ Serum, Jaffe ]	1.11	mg/dL	0.67 - 1.17
Uric Acid [ Serum, Uricase ]	7.9	mg/dL	3.5 - 7.2
Sodium	140.7	mmol/L	136 - 149 Premature, cord: 116-140 Premature 48 hrs: 128-148 Newborn cord: 126-166 Newborn: 133-146
Potassium	3.8	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	105.2	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. SUBHENDU SEKHAR PANDA**Age / Gender** : 33 years / Male**Patient ID** : 21581**Referral** : SELF**Collection Time** : Oct 10, 2022, 12:32 p.m.**Reporting Time** : Oct 10, 2022, 05:00 p.m.**Sample ID** :

222121802

Test Description	Value(s)	Unit(s)	Reference Range
<b><u>Routine Examination Of Urine</u></b>			
<b><u>General Examination</u></b>			
Colour	PALE YELLOW		Pale Yellow
Transparency (Appearance)	CLEAR		Clear
Deposit	Absent		Absent
Reaction (pH)	Acidic 6.0		4.5 - 7.0
Specific gravity	1.015		1.005 - 1.030
<b><u>Chemical Examination</u></b>			
Urine Protein (Albumin)	NIL		Absent
Urine Glucose (Sugar)	NIL		Absent
<b><u>Microscopic Examination</u></b>			
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
<b>Others</b>	Nil		

\*\*END OF REPORT\*\*

**Dr. Swetalina Pandey**  
Consultant Pathologist

**Patient Name :** MR. SUBHENDU SEKHAR PANDA

**Age / Gender :** 33 years / Male

**Patient ID :** 21581

**Referral :** SELF

**Collection Time :** Oct 10, 2022, 12:32 p.m.

**Reporting Time :** Oct 10, 2022, 05:00 p.m.

**Sample ID :**



222121802

Test Description	Value(s)	Unit(s)	Reference Range
<b>THYROID PANEL, SERUM</b>			
T3 [ ELECTROCHEMILUMINESCENCE ]	86.2	ng/dl	80 - 200
T4 [ ELECTROCHEMILUMINESCENCE ]	9.43	ug/dL	5.1 - 14.1
TSH 3RD GENERATION [ ELECTROCHEMILUMINESCENCE ]	2.47	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, SERUM Triiodothyronine 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	TOTAL T4	TSH3G	TOTAL T3
Pregnancy	(µg/dL)	(µIU/mL)	(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	T4
(ng/dL)	(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. SUBHENDU SEKHAR PANDA

**Age / Gender :** 33 years / Male

**Patient ID :** 21581

**Referral :** SELF

**Collection Time :** Oct 10, 2022, 12:32 p.m.

**Reporting Time :** Oct 10, 2022, 05:00 p.m.

**Sample ID :**



222121802

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

**Dr. Swetalina Pandey**  
Consultant Pathologist

Patient Name : MR. SUBHENDU SEKHAR PANDA

Age / Gender : 33 years / Male

Patient ID : 21581

Referral : SELF

Collection Time : Oct 10, 2022, 12:32 p.m.

Reporting Time : Oct 10, 2022, 05:00 p.m.

Sample ID :



222121802

Test Description	Value(s)	Unit(s)	Reference Range
<b>BLOOD GROUPING &amp; RH TYPING</b>			
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. SUBHENDU SEKHAR PANDA

**Age / Gender :** 33 years / Male

**Patient ID :** 21581

**Referral :** SELF

**Collection Time :** Oct 10, 2022, 12:32 p.m.

**Reporting Time :** Oct 10, 2022, 05:00 p.m.

**Sample ID :**



222121802

Test Description	Value(s)	Unit(s)	Reference Range
<b>HbA1C</b>			
<b>HbA1c (GLYCOSYLATED HEMOGLOBIN), BLOOD [ (HPLC, NGSP certified) ]</b>	5.7	%	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) ]	117.0		< 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. SUBHENDU SEKHAR PANDA

Age / Gender : 33 years / Male

Patient ID : 21581

Referral : SELF

Collection Time : Oct 10, 2022, 12:32 p.m.

Reporting Time : Oct 10, 2022, 05:00 p.m.

Sample ID :



222121802

Test Description	Value(s)	Unit(s)	Reference Range
Therapeutic goals for glycemc 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. SUBHENDU SEKHAR PANDA

Age / Gender : 33 years / Male

Patient ID : 21581

Referral : SELF

Collection Time : Oct 10, 2022, 12:32 p.m.

Reporting Time : Oct 10, 2022, 05:00 p.m.

Sample ID :



222121802

Test Description	Value(s)	Unit(s)	Reference Range
<b>BLOOD GLUCOSE ( FASTING)</b>			
Glucose fasting [ Fluoride Plasma-F, Hexokinase ]	98.0	mg/dL	Normal: 70-110 Impaired Tolerance: 110 - 125 Diabetes mellitus: $\geq$ 126 (on more than one occasion) (American diabetes association guidelines 2018)
Urine Fasting	Absent		

\*\*END OF REPORT\*\*

**Dr. Swetalina Pandey**  
Consultant Pathologist

Patient Name : MR. SUBHENDU SEKHAR PANDA

Age / Gender : 33 years / Male

Patient ID : 21581

Referral : SELF

Collection Time : Oct 10, 2022, 12:32 p.m.

Reporting Time : Oct 10, 2022, 05:00 p.m.

Sample ID :



222121802

Test Description	Value(s)	Unit(s)	Reference Range
<b>BLOOD GLUCOSE ( PP )</b>			
Blood Glucose-Post Prandial [ Hexokinase ]	120.0	mg/dL	70 - 140
Urine Post Prandial	Absent		

\*\*END OF REPORT\*\*

**Dr. Swetalina Pandey**  
Consultant Pathologist