

# Siddhivinayak Hospital

Hosp. Reg. No.: TMC - Zone C - 386

INDUSTRIAL HEALTH SERVICES

Ruby Singh  
41 yrs / female

13/01/2024

No fresh complaints

K140 - Hypothyroidism  
on T. Thyrox 25mcg

PHN /  
SH / NAD.

Height - 160cm  
weight 70kg

BMI - 27.3 kg/m<sup>2</sup>  
(overweight)

F/H - Mother / NAD  
father

M/h - 25/12/2023, regular

O/H - G<sub>3</sub>P<sub>2</sub>A, L<sub>2</sub>D<sub>0</sub> fem, 19 yrs, FTND  
male, 11 yrs, LSCS.

BP - 120/80 mmHg

P - 101/min.

SpO<sub>2</sub> - 98%

Pt is fit and can resume  
her normal duties

consult with physician for blood changes

TSH raised ↑↑



S-1, Vedant Complex, Vartak Nagar, Thane (W) 400 606

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Name - Mrs. Ruby Singh	Age - 41 Y/F
Ref by Dr.- Siddhivinayak Hospital	Date - 13/01/2024

### USG ABDOMEN & PELVIS

#### FINDINGS:

The **liver dimension is enlarged in size (17.9 cm)**. It appears normal in morphology with **raised echogenicity**. No evidence of intrahepatic ductal dilatation.

The **GB-gallbladder** is distended normally with no stones within.

The **CBD- common bile duct** is normal. The portal vein is normal.

The **pancreas** appears normal in morphology.

The **spleen** is normal in size (10.4 cm) and morphology

Both **kidneys** demonstrate normal morphology. Both kidneys show normal cortical echogenicity.

The right kidney measures 8.4 x 3.7 cm.

The left kidney measures 10.2 x 5.0 cm.

**Urinary bladder:** normally distended. Wall thickness - normal.

**Uterus :** normal in size and morphology. Size 8.6 x 6 x 4.3 cm.

**Endometrium:** 13.0 mm, it appears normal in morphology.

Both ovaries are obscured

**Adnexa** appear normal

No free fluid is seen.

#### IMPRESSION:

- Hepatomegaly with Fatty liver (Grade I)

**DR. AMOL BENDRE**  
MBBS; DMRE  
CONSULTANT RADIOLOGIST





ID: 757 Ruby Singh

Female 41 Years Female

Req. No. :

BP - 120/80 mmHg

13-01-2024 11:34:47 AM

HR : 109 bpm

P : 101 ms

PR : 121 ms

QRS : 88 ms

QT/QTcBz : 319/431 ms

P/QRS/T : 65/43/44 °

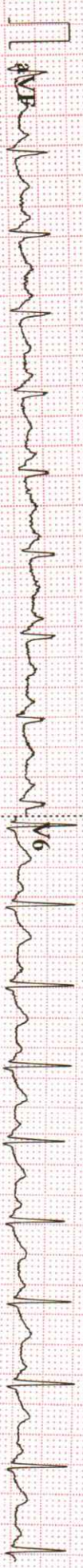
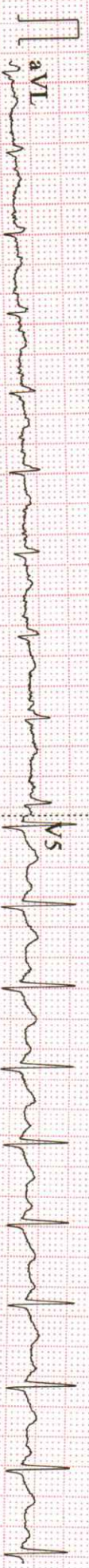
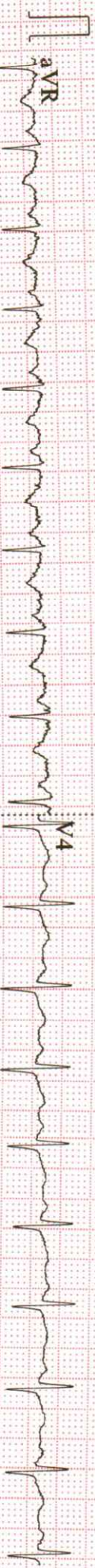
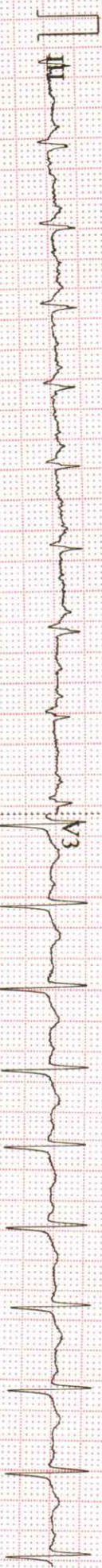
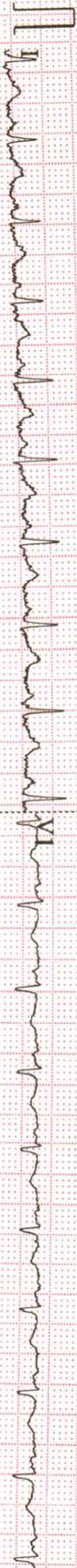
RV5/SV1 : 0.876/0.299 mV

Diagnosis Information:

Sinus Tachycardia

Report Confirmed by:

SINUS Tachycardia ✓





## OPHTHAL CHECK UP SCREENING

NAME OF EMPLOYEE                      RUBY SINGH

AGE                      41    DATE -                      13.01.2024

Specs : With Glasses

	RT Eye	Lt Eye
NEAR	N/8	N/8
DISTANT	6/9	6/6
Color Blind Test	NORMAL	



SIDDHIVINAYAK HOSPITALS



Name - Mrs. Ruby Singh	Age - 41 Y/F
Ref by Dr.- Siddhivinayak Hospital	Date - 13/01/2024

**X- Ray chest (PA VIEW)**

No obvious active parenchymal lesion seen in both lungs.

Cardiac and aortic shadows appear normal

No evidence of pleural of effusion is seen.

Both domes of diaphragm appear normal.

No obvious bony lesion is seen.

**IMPRESSION:**

- No significant abnormality seen.

Adv.: Clinical and lab correlation.

**DR. AMOL BENDRE**  
MBBS; DMRE  
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Note: The above report represents interpretation of various radiographic / sonographic shadows, and hence has its own limitations. This report has to be co-related clinic-pathologically by the referring / physician and it does NOT represent the sole diagnosis.





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Age/Sex : 41 Years / Female Reported On : 14/1/2024 9:44 am  
Ref By : SIDDHIVINAYAK HOSPITAL CGHS /ESIS Report Status : FINAL



**\*LIPID PROFILE**

TEST NAME	RESULTS	UNIT	REFERENCE RANGE
<b>TOTAL CHOLESTEROL (CHOLESTEROL OXIDASE, ESTERASE, PEROXIDASE)</b>	161.0	mg/dL	Desirable blood cholesterol: - <200 mg/dl. Borderline high blood cholesterol: - 200 - 239 mg/dl. High blood cholesterol: - >239 mg/dl.
<b>S.HDL CHOLESTEROL (DIRECT MEASURE - PEG)</b>	45.2	mg/dL	Major risk factor for heart : <30 mg/dl. Negative risk factor for heart disease : >=80 mg/dl.
<b>S. TRIGLYCERIDE (ENZYMATIC, END POINT)</b>	88	mg/dL	Desirable level : <161 mg/dl. High : >= 161 - 199 mg/dl. Borderline High : 200 - 499 mg/dl. Very high : >499mg/dl.
<b>VLDL CHOLESTEROL (CALCULATED VALUE)</b>	18	mg/dL	UPTO 40
<b>S.LDL CHOLESTEROL (CALCULATED VALUE)</b>	98	mg/dL	Optimal: <100 mg/dl. Near Optimal: 100 - 129 mg/dl. Borderline High: 130 - 159 mg/dl. High : 160 - 189mg/dl. Very high : >= 190 mg/dl.
<b>LDL CHOL/HDL RATIO (CALCULATED VALUE)</b>	2.17		UPTO 3.5
<b>CHOL/HDL CHOL RATIO (CALCULATED VALUE)</b>	3.56		<5.0

Above reference ranges are as per ADULT TREATMENT PANEL III recommendation by NCEP (May 2015).

Result relates to sample tested, Kindly correlate with clinical findings.

----- END OF REPORT -----

Checked By  
Priyanka\_Deshmukh

**DR. SMITA RANVEER.**  
M.B.B.S.M.D. Pathology(Mum)  
Consultant Histocytopathologist





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**COMPLETE BLOOD COUNT**

TEST NAME	RESULTS	UNIT	REFERENCE RANGE
<b>HEMOGLOBIN</b>	<b>11.2</b>	gm/dl	12.0 - 15.0
HEMATOCRIT (PCV)	<b>33.6</b>	%	36 - 46
RBC COUNT	<b>3.97</b>	x10 <sup>6</sup> /uL	4.5 - 5.5
MCV	85	fl	80 - 96
MCH	28.2	pg	27 - 33
MCHC	33	g/dl	33 - 36
RDW-CV	14.2	%	11.5 - 14.5
<b>TOTAL LEUCOCYTE COUNT</b>	<b>4830</b>	/cumm	4000 - 11000
<b><u>DIFFERENTIAL COUNT</u></b>			
NEUTROPHILS	59	%	40 - 80
LYMPHOCYTES	33	%	20 - 40
EOSINOPHILS	03	%	0 - 6
MONOCYTES	05	%	2 - 10
BASOPHILS	00	%	0 - 1
<b>PLATELET COUNT</b>	<b>263000</b>	/cumm	150000 - 450000
MPV	<b>13.1</b>	fl	6.5 - 11.5
PDW	16.3	%	9.0 - 17.0
PCT	0.340	%	0.200 - 0.500
RBC MORPHOLOGY	Normocytic Normochromic, Reduced red blood cells count		
WBC MORPHOLOGY	Normal		
PLATELETS ON SMEAR	Adequate		

Method : EDTA Whole Blood- Tests done on Automated Six Part Cell Counter.RBC and Platelet count by Electric Impedance ,WBC by SF Cube method and Differential by flow cytometry . Hemoglobin by Cyanide free reagent for hemoglobin test (Colorimetric Method).Rest are calculated parameters.

**Result relates to sample tested, Kindly correlate with clinical findings.**

----- END OF REPORT -----

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**URINE ROUTINE EXAMINATION**

TEST NAME	RESULTS	UNIT	REFERENCE RANGE
<b><u>URINE ROUTINE EXAMINATION</u></b>			
<b><u>PHYSICAL EXAMINATION</u></b>			
VOLUME	20ml		
COLOUR	Pale Yellow		Pale Yellow
APPEARANCE	Clear		Clear
<b><u>CHEMICAL EXAMINATION</u></b>			
REACTION (methyl red and Bromothymol blue indicator)	Acidic		Acidic
SP. GRAVITY (Bromothymol blue indicator)	1.010		1.005 - 1.022
PROTEIN (Protein error of PH indicator)	Absent		Absent
BLOOD (Peroxidase Method)	Absent		Absent
SUGAR (GOD/POD)	Absent		Absent
KETONES (Acetoacetic acid)	Absent		Absent
BILE SALT & PIGMENT (Diazonium Salt)	Absent		Absent
UROBILINOGEN (Red azodye)	Normal		Normal
LEUKOCYTES (pyrrole amino acid ester diazonium salt)	Absent		Absent
NITRITE (Diazonium compound With tetrahydrobenzo quinolin 3-phenol)	Absent		Negative
<b><u>MICROSCOPIC EXAMINATION</u></b>			
RED BLOOD CELLS	Absent		Absent
PUS CELLS	1-2	/ HPF	0 - 5
EPITHELIAL	1-2	/ HPF	0 - 5
CASTS	Absent		

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**URINE ROUTINE EXAMINATION**

TEST NAME	RESULTS	UNIT	REFERENCE RANGE
CRYSTALS	Absent		
BACTERIA	Absent		Absent
YEAST CELLS	Absent		Absent
ANY OTHER FINDINGS	Absent		Absent

REMARK Result relates to sample tested. Kindly correlate with clinical findings.

**Result relates to sample tested, Kindly correlate with clinical findings.**

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<b>Ref By</b>	: SIDDHIVINAYAK HOSPITAL CGHS /ESIS	<b>Report Status</b>	: FINAL



**IMMUNO ASSAY**

TEST NAME	RESULTS	UNIT	REFERENCE RANGE
<b><u>TFT (THYROID FUNCTION TEST )</u></b>			
SPACE		Space	-
SPECIMEN	Serum		
T3	143.2	ng/dl	84.63 - 201.8
T4	10.18	µg/dl	5.13 - 14.06
TSH	<b>9.27</b>	µIU/ml	0.270 - 4.20
T3 (Triiodo Thyronine hormone)	T4 (Thyroxine)	TSH(Thyroid stimulating hormone)	
AGE	RANGE	AGE	RANGES
1-30 days	100-740	1-14 Days	11.8-22.6
1-11 months	105-245	1-2 weeks	9.9-16.6
1-5 yrs	105-269	1-4 months	7.2-14.4
6-10 yrs	94-241	4 -12 months	7.8-16.5
11-15 yrs	82-213	1-5 yrs	7.3-15.0
0.1-2.5			
15-20 yrs	80-210	5-10 yrs	6.4-13.3
0.20-3.0			
		11-15 yrs	5.6-11.7
0.30-3.0			

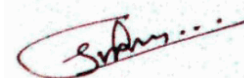
**INTERPRETATION :**

TSH stimulates the production and secretion of the metabolically active thyroid hormones, thyroxine (T4) and triiodothyronine (T3), by interacting with a specific receptor on the thyroid cell surface. The synthesis and secretion of TSH is stimulated by Thyrotropin releasing hormone (TRH), in response to low levels of circulating thyroid hormones. Elevated levels of T3 and T4 suppress the production of TSH via a classic negative feedback mechanism. Failure at any level of regulation of the hypothalamic-pituitary-thyroid axis will result in either underproduction (hypothyroidism) or overproduction (hyperthyroidism) of T4 and/or T3.

**Result relates to sample tested, Kindly correlate with clinical findings.**

----- END OF REPORT -----

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 Priyanka\_Deshmukh



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**HAEMATOLOGY**

TEST NAME	RESULTS	UNIT	REFERENCE RANGE
<b><u>BLOOD GROUP</u></b>			
SPECIMEN	WHOLE BLOOD EDTA & SERUM		
* ABO GROUP	'O'		
RH FACTOR	POSITIVE		
Method: Slide Agglutination and Tube Method (Forward grouping & Reverse grouping)			
<b>Result relates to sample tested, Kindly correlate with clinical findings.</b>			
----- END OF REPORT -----			

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**\*RENAL FUNCTION TEST**

TEST NAME	RESULTS	UNIT	REFERENCE RANGE
<b>BLOOD UREA</b> (Urease UV GLDH Kinetic)	16.6	mg/dL	13 - 40
<b>BLOOD UREA NITROGEN</b> (Calculated)	7.76	mg/dL	5 - 20
<b>S. CREATININE</b> (Enzymatic)	0.65	mg/dL	0.6 - 1.4
<b>S. URIC ACID</b> (Uricase)	3.20	mg/dL	2.6 - 6.0
<b>S. SODIUM</b> (ISE Direct Method)	136.3	mEq/L	137 - 145
<b>S. POTASSIUM</b> (ISE Direct Method)	4.45	mEq/L	3.5 - 5.1
<b>S. CHLORIDE</b> (ISE Direct Method)	98.5	mEq/L	98 - 110
<b>S. PHOSPHORUS</b> (Ammonium Molybdate)	3.57	mg/dL	2.5 - 4.5
<b>S. CALCIUM</b> (Arsenazo III)	9.00	mg/dL	8.6 - 10.2
<b>PROTEIN</b> (Biuret)	7.73	g/dl	6.4 - 8.3
<b>S. ALBUMIN</b> (BGC)	4.02	g/dl	3.2 - 4.6
<b>S.GLOBULIN</b> (Calculated)	<b>3.71</b>	g/dl	1.9 - 3.5
<b>A/G RATIO</b> calculated	1.08		0 - 2

NOTE

BIOCHEMISTRY TEST DONE ON FULLY AUTOMATED ( EM 200 )  
ANALYZER.

Result relates to sample tested, Kindly correlate with clinical findings.

----- END OF REPORT -----

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\* 1 8 0 4 6 4 \*

### Peripheral smear examination

TEST NAME	RESULTS
SPECIMEN RECEIVED	Whole Blood EDTA
RBC	Normocytic Normochromic
WBC	Total leucocyte count is normal on smear.  Neutrophils:60 % Lymphocytes:32 % Monocytes:05 % Eosinophils:03 % Basophils:00 %
PLATELET	Adequate on smear.
HEMOPARASITE	No parasite seen.

**Result relates to sample tested, Kindly correlate with clinical findings.**  
----- END OF REPORT -----

Checked By  
SHAISTA Q

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**LIVER FUNCTION TEST**

TEST NAME	RESULTS	UNIT	REFERENCE RANGE
<b>TOTAL BILLIRUBIN</b> (Method-Diazo)	0.37	mg/dL	0.0 - 2.0
<b>DIRECT BILLIRUBIN</b> (Method-Diazo)	0.17	mg/dL	0.0 - 0.4
<b>INDIRECT BILLIRUBIN</b> Calculated	0.20	mg/dL	0 - 0.8
<b>SGOT(AST)</b> (UV without PSP)	19.3	U/L	0 - 37
<b>SGPT(ALT)</b> UV Kinetic Without PLP (P-L-P)	25.2	U/L	UP to 40
<b>ALKALINE PHOSPHATASE</b> (Method-ALP-AMP)	77	U/L	42 - 98
<b>S. PROTIEN</b> (Method-Biuret)	7.73	g/dl	6.4 - 8.3
<b>S. ALBUMIN</b> (Method-BCG)	4.02	g/dl	3.5 - 5.2
<b>S. GLOBULIN</b> Calculated	<b>3.71</b>	g/dl	1.90 - 3.50
<b>A/G RATIO</b> Calculated	1.08		0 - 2

Result relates to sample tested, Kindly correlate with clinical findings.

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\* 1 8 0 4 6 4 \*

**HAEMATOLOGY**

TEST NAME	RESULTS	UNIT	REFERENCE RANGE
<b>ESR</b>	<b>45</b>	mm/1hr.	0 - 20

METHOD - WESTERGREN

Result relates to sample tested, Kindly correlate with clinical findings.

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**BIOCHEMISTRY**

TEST NAME	RESULTS	UNIT	REFERENCE RANGE
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**BLOOD SUGAR FASTING**

* FASTING BLOOD GLUCOSE	93.8	mg/dL	74 - 100
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**INTERPRETATION**

- Normal glucose tolerance : 70-110 mg/dl
- Impaired Fasting glucose (IFG) : 110-125 mg/dl
- Diabetes mellitus :  $\geq 126$  mg/dl

**POSTPRANDIAL/POST GLUCOSE (75 grams)**

- Normal glucose tolerance : 70-139 mg/dl
- Impaired glucose tolerance : 140-199 mg/dl
- Diabetes mellitus :  $\geq 200$  mg/dl

**CRITERIA FOR DIAGNOSIS OF DIABETES MELLITUS**

- Fasting plasma glucose  $\geq 126$  mg/dl
- Classical symptoms + Random plasma glucose  $\geq 200$  mg/dl
- Plasma glucose  $\geq 200$  mg/dl (2 hrs after 75 grams of glucose)
- Glycosylated haemoglobin  $> 6.5\%$

\*\*\*Any positive criteria should be tested on subsequent day with same or other criteria.

**GLYCOCELATED HEMOGLOBIN (HBA1C)**

HBA1C (GLYCOSALATED HAEMOGLOBIN)	5.5	%	Hb A1c > 8 Action suggested < 7 Goal < 6 Non - diabetic level
AVERAGE BLOOD GLUCOSE (A. B. G. )	111.2	mg/dL	65.1 - 136.3

**METHOD**

Particle Enhanced Immunoturbidimetry

HbA1c : Glycosylated hemoglobin concentration is dependent on the average blood glucose concentration which is formed progressively and irreversibly over a period of time and is stable till the life of the RBC/erythrocytes. Average Blood Glucose (A.B.G) is calculated value from HbA1c : Glycosylated hemoglobin concentration in whole Blood. It indicates average blood sugar level over past three months.

GAMMA GT	23.9	U/L	5 - 55
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**Result relates to sample tested, Kindly correlate with clinical findings.**

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