

Patient Name: MEDHAVI MUKUND

Date and Time: 11th Dec 21 12:01 PM

Patient ID: 2134540676

Age **38** 2 12
years months days

Gender **Male**

Heart Rate **68 bpm**

Patient Vitals

BP: NA

Weight: NA

Height: NA

Pulse: NA

Spo2: NA

Resp: NA

Others: _____

Measurements

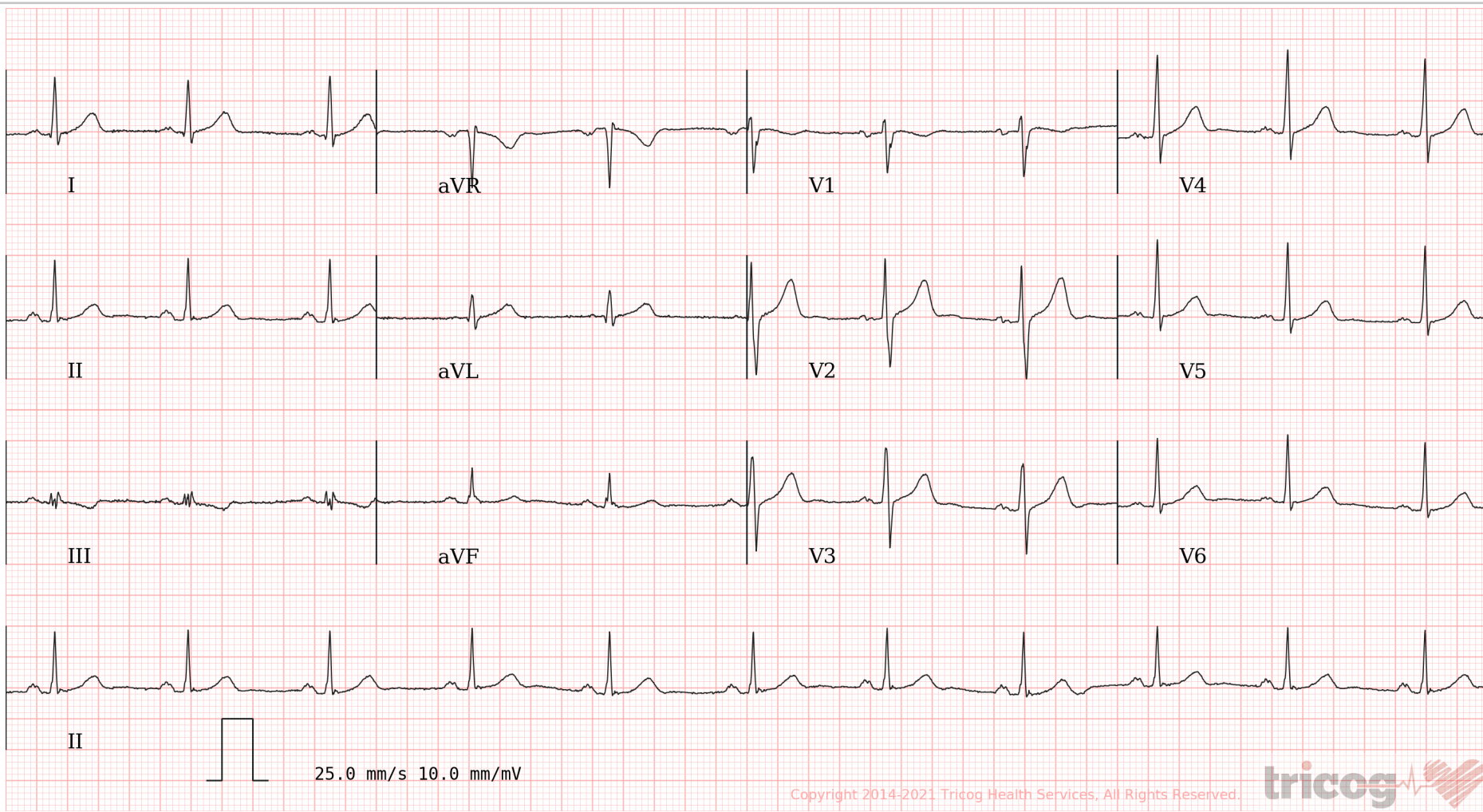
QSRD: 76 ms

QT: 378 ms

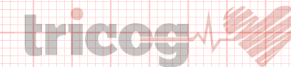
QTc: 401 ms

PR: 150 ms

P-R-T: 54° 38° 20°



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ECG Within Normal Limits: Sinus Rhythm, Normal Axis. Please correlate clinically.

REPORTED BY

DR SHAILAJA PILLAI
MBBS, MD Physican
MD Physican
49972



CID : 2134540676
Name : Mr MEDHAVI MUKUND
Age / Sex : 38 Years/Male
Ref. Dr :
Reg. Location : G B Road, Thane West Main Centre
Reg. Date : 11-Dec-2021 / 13:20
Report Date : 11-Dec-2021 / 13:23
Printed : 11-Dec-2021 / 13:23

USG WHOLE ABDOMEN

LIVER: Liver appears normal in size and shows increased echoreflectivity. There is no intra-hepatic biliary radical dilatation. No evidence of any focal lesion.

GALL BLADDER: Gall bladder is contracted.(Not evaluated)

PORTAL VEIN: Portal vein is normal. **CBD:** CBD is normal.

PANCREAS: Visualised head of pancreas appears normal in size & echotexture. Rest is obscured by excessive bowel gas.

KIDNEYS: Right kidney measures 9.0 x 4.5 cm. Left kidney measures 9.9 x 4.8 cm. Both kidneys are normal in shape and echotexture. Corticomedullary differentiation is maintained. There is no evidence of any hydronephrosis, hydroureter or calculus.

SPLEEN: Spleen is normal in size, shape and echotexture. No focal lesion is seen.

URINARY BLADDER: Urinary bladder is distended and normal. Wall thickness is within normal limits.

PROSTATE: Prostate is normal in size and echotexture and measures 2.8 x 3.4 x 3.7 cm in dimension and 19.2 cc in volume. No evidence of any focal lesion. Median lobe does not show significant hypertrophy.

No free fluid or significant lymphadenopathy is seen.

Click here to view images <http://202.143.96.162/Suburban/Viewer?ViewerType=3&AccessionNo=2021121110151412> Page 1 to 2

ADDRESS: 2nd Floor, Aston, Sundervan Complex, Above Mercedes Showroom, Andheri West - 400053

HEALTHLINE - MUMBAI: 022-6170-0000 | OTHER CITIES: 1800-266-4343

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IMPRESSION:

- **GRADE I FATTY INFILTRATION OF LIVER.**

Note: Investigations have their limitations. Solitary radiological investigations never confirm the final diagnosis. They only help in diagnosing the disease in correlation to clinical symptoms and other related tests. USG is known to have inter-observer variations. Further/follow-up imaging may be needed in some cases for confirmation / exclusion of diagnosis.

Advice: Clinical co-relation and further evaluation.

-----End of Report-----

D. Patil

Dr. Devendra Patil
MBBS, MD (Radio-Diagnosis)
Consultan Radiologist
MMC - 2013/02/0165



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Name : Mr MEDHAVI MUKUND
Age / Sex : 38 Years/Male
Ref. Dr :
Reg. Location : G B Road, Thane West Main Centre
Reg. Date : 11-Dec-2021 / 10:40
Report Date : 11-Dec-2021 / 14:16
Printed : 11-Dec-2021 / 14:16

X-RAY CHEST PA VIEW

Both lung fields are clear.

Both costo-phrenic angles are clear.

The cardiac size and shape are within normal limits.

The domes of diaphragm are normal in position and outlines.

The skeleton under review appears normal.

IMPRESSION:

NO SIGNIFICANT ABNORMALITY IS DETECTED.

-----End of Report-----

G. R. Fartade

Dr. GAURAV FARTADE
MBBS, DMRE
Reg No -2014/04/1786
Consultant Radiologist



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Age / Gender : 38 Years / Male
Consulting Dr. : -
Reg. Location : G B Road, Thane West (Main Centre)

Collected : 11-Dec-2021 / 10:17
Reported : 11-Dec-2021 / 12:25

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

CBC (Complete Blood Count), Blood

<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
<u>RBC PARAMETERS</u>			
Haemoglobin	14.0	13.0-17.0 g/dL	Spectrophotometric
RBC	4.20	4.5-5.5 mil/cmm	Elect. Impedance
PCV	41.1	40-50 %	Measured
MCV	98	80-100 fl	Calculated
MCH	33.2	27-32 pg	Calculated
MCHC	34.0	31.5-34.5 g/dL	Calculated
RDW	13.1	11.6-14.0 %	Calculated
<u>WBC PARAMETERS</u>			
WBC Total Count	6200	4000-10000 /cmm	Elect. Impedance
<u>WBC DIFFERENTIAL AND ABSOLUTE COUNTS</u>			
Lymphocytes	30.0	20-40 %	
Absolute Lymphocytes	1860.0	1000-3000 /cmm	Calculated
Monocytes	7.2	2-10 %	
Absolute Monocytes	446.4	200-1000 /cmm	Calculated
Neutrophils	61.2	40-80 %	
Absolute Neutrophils	3794.4	2000-7000 /cmm	Calculated
Eosinophils	1.6	1-6 %	
Absolute Eosinophils	99.2	20-500 /cmm	Calculated
Basophils	0.0	0.1-2 %	
Absolute Basophils	0.0	20-100 /cmm	Calculated
Immature Leukocytes	-		

WBC Differential Count by Absorbance & Impedance method/Microscopy.

PLATELET PARAMETERS

Platelet Count	105000	150000-400000 /cmm	Elect. Impedance
MPV	11.9	6-11 fl	Calculated
PDW	23.5	11-18 %	Calculated

RBC MORPHOLOGY

Hypochromia	-
Microcytosis	-



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Reported : 11-Dec-2021 / 11:27

Macrocytosis	-
Anisocytosis	-
Poikilocytosis	-
Polychromasia	-
Target Cells	-
Basophilic Stippling	-
Normoblasts	-
Others	Normocytic, Normochromic
WBC MORPHOLOGY	-
PLATELET MORPHOLOGY	Megaplatelets seen on smear
COMMENT	-

Result rechecked.

Kindly correlate clinically.

Specimen: EDTA Whole Blood

ESR, EDTA WB-ESR 22 2-15 mm at 1 hr. Westergren

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD G B Road Lab, Thane West
*** End Of Report ***



Amit Taori

Dr. AMIT TAORI
M.D (Path)
Pathologist

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Reg. Location : G B Road, Thane West (Main Centre)

Collected : 11-Dec-2021 / 10:17
Reported : 11-Dec-2021 / 11:51

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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
GLUCOSE (SUGAR) FASTING, Fluoride Plasma	109.7	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase
GLUCOSE (SUGAR) PP, Fluoride Plasma PP/R	112.7	Non-Diabetic: < 140 mg/dl Impaired Glucose Tolerance: 140-199 mg/dl Diabetic: >/= 200 mg/dl	Hexokinase
BILIRUBIN (TOTAL), Serum	0.59	0.1-1.2 mg/dl	Diazo
BILIRUBIN (DIRECT), Serum	0.22	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	0.37	0.1-1.0 mg/dl	Calculated
TOTAL PROTEINS, Serum	7.2	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	4.7	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	2.5	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.9	1 - 2	Calculated
SGOT (AST), Serum	28.6	5-40 U/L	IFCC without pyridoxal phosphate activation
SGPT (ALT), Serum	47.9	5-45 U/L	IFCC without pyridoxal phosphate activation
GAMMA GT, Serum	20.7	3-60 U/L	IFCC
ALKALINE PHOSPHATASE, Serum	90.2	40-130 U/L	PNPP
BLOOD UREA, Serum	23.6	12.8-42.8 mg/dl	Urease & GLDH
BUN, Serum	11.0	6-20 mg/dl	Calculated
CREATININE, Serum	0.97	0.67-1.17 mg/dl	Enzymatic
eGFR, Serum	92	>60 ml/min/1.73sqm	Calculated



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Collected : 11-Dec-2021 / 13:32
Reported : 11-Dec-2021 / 15:59

URIC ACID, Serum	6.1	3.5-7.2 mg/dl	Uricase
Urine Sugar (Fasting)	Absent	Absent	
Urine Ketones (Fasting)	Absent	Absent	
Urine Sugar (PP)	Absent	Absent	
Urine Ketones (PP)	Absent	Absent	

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD G B Road Lab, Thane West
*** End Of Report ***



Amit Taori

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Pathologist



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Reg. Location : G B Road, Thane West (Main Centre)

Collected : 11-Dec-2021 / 10:17
Reported : 11-Dec-2021 / 18:30

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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE
GLYCOSYLATED HEMOGLOBIN (HbA1c)

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
Glycosylated Hemoglobin (HbA1c), EDTA WB - CC	5.2	Non-Diabetic Level: < 5.7 % Prediabetic Level: 5.7-6.4 % Diabetic Level: >= 6.5 %	HPLC
Estimated Average Glucose (eAG), EDTA WB - CC	102.5	mg/dl	Calculated

Intended use:

- In patients who are meeting treatment goals, HbA1c test should be performed at least 2 times a year
- In patients whose therapy has changed or who are not meeting glycemic goals, it should be performed quarterly
- For microvascular disease prevention, the HbA1C goal for non pregnant adults in general is Less than 7%.

Clinical Significance:

- HbA1c, Glycosylated hemoglobin or glycated hemoglobin, is hemoglobin with glucose molecule attached to it.
- The HbA1c test evaluates the average amount of glucose in the blood over the last 2 to 3 months by measuring the percentage of glycosylated hemoglobin in the blood.

Test Interpretation:

- The HbA1c test evaluates the average amount of glucose in the blood over the last 2 to 3 months by measuring the percentage of Glycosylated hemoglobin in the blood.
- HbA1c test may be used to screen for and diagnose diabetes or risk of developing diabetes.
- To monitor compliance and long term blood glucose level control in patients with diabetes.
- Index of diabetic control, predicting development and progression of diabetic micro vascular complications.

Factors affecting HbA1c results:

Increased in: High fetal hemoglobin, Chronic renal failure, Iron deficiency anemia, Splenectomy, Increased serum triglycerides, Alcohol ingestion, Lead/opiate poisoning and Salicylate treatment.

Decreased in: Shortened RBC lifespan (Hemolytic anemia, blood loss), following transfusions, pregnancy, ingestion of large amount of Vitamin E or Vitamin C and Hemoglobinopathies

Reflex tests: Blood glucose levels, CGM (Continuous Glucose monitoring)

References: ADA recommendations, AACC, Wallach's interpretation of diagnostic tests 10th edition.

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD CPL, Andheri West

*** End Of Report ***



MC-2111



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Reported : 11-Dec-2021 / 14:32

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**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE
URINE EXAMINATION REPORT**

<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
<u>PHYSICAL EXAMINATION</u>			
Color	Pale yellow	Pale Yellow	-
Reaction (pH)	Acidic (5.0)	4.5 - 8.0	Chemical Indicator
Specific Gravity	1.015	1.010-1.030	Chemical Indicator
Transparency	Clear	Clear	-
Volume (ml)	50	-	-
<u>CHEMICAL EXAMINATION</u>			
Proteins	Absent	Absent	pH Indicator
Glucose	Absent	Absent	GOD-POD
Ketones	Absent	Absent	Legals Test
Blood	Absent	Absent	Peroxidase
Bilirubin	Absent	Absent	Diazonium Salt
Urobilinogen	Normal	Normal	Diazonium Salt
Nitrite	Absent	Absent	Griess Test
<u>MICROSCOPIC EXAMINATION</u>			
Leukocytes(Pus cells)/hpf	1-2	0-5/hpf	
Red Blood Cells / hpf	Absent	0-2/hpf	
Epithelial Cells / hpf	1-2		
Casts	Absent	Absent	
Crystals	Absent	Absent	
Amorphous debris	Absent	Absent	
Bacteria / hpf	2-3	Less than 20/hpf	

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*** End Of Report ***



MC-2427



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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE
BLOOD GROUPING & Rh TYPING

<u>PARAMETER</u>	<u>RESULTS</u>
ABO GROUP	A
Rh TYPING	Positive

NOTE: Test performed by Semi- automated column agglutination technology (CAT)

Specimen: EDTA Whole Blood and/or serum

Clinical significance:

ABO system is most important of all blood group in transfusion medicine

Limitations:

- ABO blood group of new born is performed only by cell (forward) grouping because allo antibodies in cord blood are of maternal origin.
- Since A & B antigens are not fully developed at birth, both Anti-A & Anti-B antibodies appear after the first 4 to 6 months of life. As a result, weaker reactions may occur with red cells of newborns than of adults.
- Confirmation of newborn's blood group is indicated when A & B antigen expression and the isoagglutinins are fully developed at 2 to 4 years of age & remains constant throughout life.
- Cord blood is contaminated with Wharton's jelly that causes red cell aggregation leading to false positive result
- The Hh blood group also known as Oh or Bombay blood group is rare blood group type. The term Bombay is used to refer the phenotype that lacks normal expression of ABH antigens because of inheritance of hh genotype.

Refernces:

1. Denise M Harmening, Modern Blood Banking and Transfusion Practices- 6th Edition 2012. F.A. Davis company. Philadelphia
2. AABB technical manual

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD G B Road Lab, Thane West

*** End Of Report ***



MC-2427

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Reported : 11-Dec-2021 / 11:36

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE
THYROID FUNCTION TESTS

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
Free T3, Serum	5.5	3.5-6.5 pmol/L	ECLIA
Free T4, Serum	14.8	11.5-22.7 pmol/L	ECLIA
sensitiveTSH, Serum	3.24	0.35-5.5 microIU/ml	ECLIA

Interpretation:

A thyroid panel is used to evaluate thyroid function and/or help diagnose various thyroid disorders.

Clinical Significance:

- 1)TSH Values between 5.5 to 15 microIU/ml should be correlated clinically or repeat the test with new sample as physiological factors can give falsely high TSH.
- 2)TSH values may be transiently altered because of non thyroidal illness like severe infections,liver disease, renal and heart severe burns, trauma and surgery etc.

TSH	FT4 / T4	FT3 / T3	Interpretation
High	Normal	Normal	Subclinical hypothyroidism, poor compliance with thyroxine, drugs like amiodarone, Recovery phase of non-thyroidal illness, TSH Resistance.
High	Low	Low	Hypothyroidism, Autoimmune thyroiditis, post radio iodine Rx, post thyroidectomy, Anti thyroid drugs, tyrosine kinase inhibitors & amiodarone, amyloid deposits in thyroid, thyroid tumors & congenital hypothyroidism.
Low	High	High	Hyperthyroidism, Graves disease, toxic multinodular goiter, toxic adenoma, excess iodine or thyroxine intake, pregnancy related (hyperemesis gravidarum, hydatiform mole)
Low	Normal	Normal	Subclinical Hyperthyroidism, recent Rx for Hyperthyroidism, drugs like steroids & dopamine), Non thyroidal illness.
Low	Low	Low	Central Hypothyroidism, Non Thyroidal Illness, Recent Rx for Hyperthyroidism.
High	High	High	Interfering anti TPO antibodies, Drug interference: Amiodarone, Heparin, Beta Blockers, steroids & anti epileptics.

Diurnal Variation:TSH follows a diurnal rhythm and is at maximum between 2 am and 4 am , and is at a minimum between 6 pm and 10 pm. The variation is on the order of 50 to 206%. Biological variation:19.7%(with in subject variation)

Reflex Tests:Anti thyroid Antibodies,USG Thyroid ,TSH receptor Antibody. Thyroglobulin, Calcitonin

Limitations:Samples should not be taken from patients receiving therapy with high biotin doses (i.e. >5 mg/day) until atleast 8 hours following the last biotin administration.

Reference:

- 1.O.koulouri et al. / Best Practice and Research clinical Endocrinology and Metabolism 27(2013)
- 2.Interpretation of the thyroid function tests, Dayan et al. THE LANCET . Vol 357
- 3.Tietz ,Text Book of Clinical Chemistry and Molecular Biology -5th Edition
- 4.Biological Variation:From principles to Practice-Callum G Fraser (AACC Press)

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