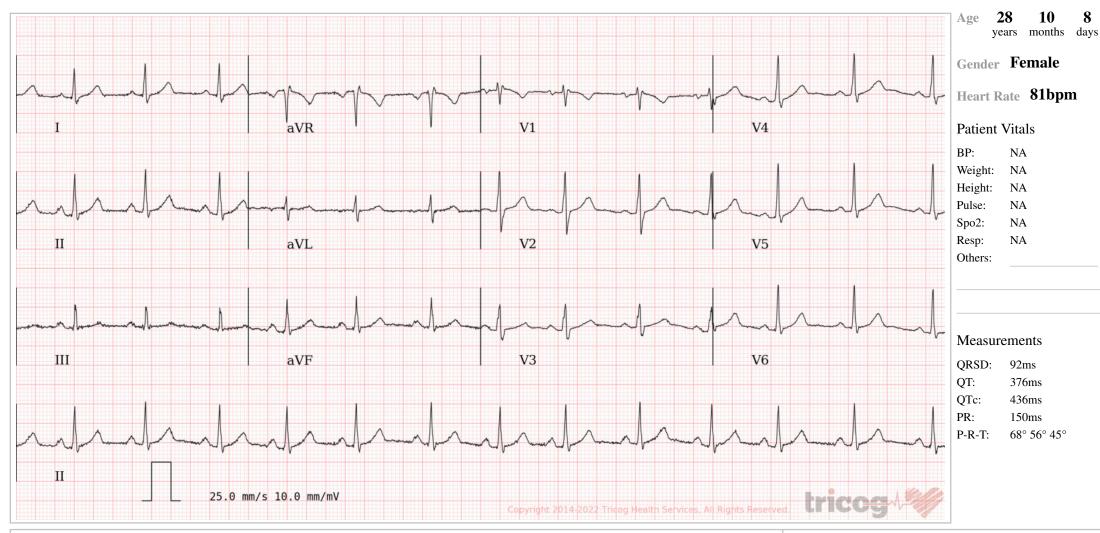
SUBURBAN DIAGNOSTICS - VASHI



Patient Name: NISHA RAJU SHIRSAT

Patient ID: 2225323098

Date and Time: 10th Sep 22 1:16 PM



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

REPORTED BY

Aument

Dr.Anand N Motwani M.D (General Medicine) Reg No 39329 M.M.C

Disclaimer: 1) Analysis in this report is based on ECG alone and should be used as an adjunct to clinical history, symptoms, and results of other invasive and non-invasive tests and must be interpreted by a qualified physician. 2) Patient vitals are as entered by the clinician and not derived from the ECG.



Name : Mrs NISHA RAJU SHIRSAT

Age / Sex : 28 Years/Female

Ref. Dr : Reg. Date : 10-Sep-2022

Reg. Location: Vashi Main Centre **Reported**: 10-Sep-2022/12:41



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R T

R E

USG WHOLE ABDOMEN

LIVER:

The liver is normal in size, shape and smooth margins. It shows normal parenchymal echo pattern. The intra hepatic biliary and portal radical appear normal. No evidence of any intra hepatic cystic or solid lesion seen. The main portal vein and CBD appears normal.

GALL BLADDER:

The gall bladder is physiologically distended and appears normal. No evidence of gall stones or mass lesions seen

PANCREAS:

The pancreas is well visualised and appears normal. No evidence of solid or cystic mass lesion.

KIDNEYS:

Both the kidneys are normal in size shape and echotexture.

No evidence of any calculus, hydronephrosis or mass lesion seen.

Right kidney measures 10.4 x 3.6 cm. Left kidney measures 10.5 x 4.7 cm.

SPLEEN:

The spleen is normal in size and echotexture. No evidence of focal lesion is noted.

There is no evidence of any lymphadenopathy or ascites.

URINARY BLADDER:

The urinary bladder is well distended and reveal no intraluminal abnormality.

UTERUS:

The uterus is anteverted and appears normal.It measures 9.2 x 3.8 x 5.7 cm in size.The endometrial thickness is 9.1 mm.



Name : Mrs NISHA RAJU SHIRSAT

Age / Sex : 28 Years/Female

Ref. Dr Reg. Date : 10-Sep-2022

: Vashi Main Centre Reported : 10-Sep-2022/12:41 Reg. Location



R

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OVARIES:

Both the ovaries are well visualised and appears normal.

There is no evidence of any ovarian or adnexal mass seen.

Right ovary = $3.2 \times 2.0 \text{ cm}$

Left ovary = $2.8 \times 1.9 \text{ cm}$

IMPRESSION:-

No significant abnormality is seen.

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

Dr Shilpa Beri MBBS DMRE

Reg No 2002/05/2302 Consultant Radiologist



Name : Mrs NISHA RAJU SHIRSAT

Age / Sex : 28 Years/Female

Ref. Dr

Reg. Location : Vashi Main Centre

Authenticity Check

R



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Reg. Date : 10-Sep-2022

: 10-Sep-2022/12:41 Reported



Name : Mrs NISHA RAJU SHIRSAT

Age / Sex : 28 Years/Female

Ref. Dr :

Reg. Location: Vashi Main Centre



R

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Reg. Date : 10-Sep-2022

Reported : 10-Sep-2022/12:11

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------

Dr Shilpa Beri MBBS DMRE

Reg No 2002/05/2302 Consultant Radiologist



Name : Mrs NISHA RAJU SHIRSAT

Age / Sex : 28 Years/Female

Ref. Dr

Reg. Location : Vashi Main Centre

Authenticity Check

R



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Reg. Date : 10-Sep-2022

: 10-Sep-2022/12:11 Reported



Name : MRS.NISHA RAJU SHIRSAT

Age / Gender : 28 Years / Female

Consulting Dr. :

Reg. Location

: Vashi (Main Centre)

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Collected: 10-Sep-2

Reported

: 10-Sep-2022 / 10:59 :10-Sep-2022 / 14:05

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

CBC (Complete Blood Count), Blood			
<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
RBC PARAMETERS			
Haemoglobin	10.9	12.0-15.0 g/dL	Spectrophotometric
RBC	4.49	3.8-4.8 mil/cmm	Elect. Impedance
PCV	32.9	36-46 %	Measured
MCV	73	80-100 fl	Calculated
MCH	24.2	27-32 pg	Calculated
MCHC	33.0	31.5-34.5 g/dL	Calculated
RDW	13.7	11.6-14.0 %	Calculated
WBC PARAMETERS			
WBC Total Count	13130	4000-10000 /cmm	Elect. Impedance
WBC DIFFERENTIAL AND ABS	OLUTE COUNTS		
Lymphocytes	21.9	20-40 %	
Absolute Lymphocytes	2875.5	1000-3000 /cmm	Calculated
Monocytes	5.2	2-10 %	
Absolute Monocytes	682.8	200-1000 /cmm	Calculated
Neutrophils	69.9	40-80 %	
Absolute Neutrophils	9177.9	2000-7000 /cmm	Calculated
Eosinophils	2.4	1-6 %	
Absolute Eosinophils	315.1	20-500 /cmm	Calculated
Basophils	0.6	0.1-2 %	
Absolute Basophils	78.8	20-100 /cmm	Calculated
Immature Leukocytes	-		

WBC Differential Count by Absorbance & Impedance method/Microscopy.

PLATELET PARAMETERS

Platelet Count	387000	150000-400000 /cmm	Elect. Impedance
MPV	7.4	6-11 fl	Calculated
PDW	10.6	11-18 %	Calculated

Page 1 of 11

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Name : MRS.NISHA RAJU SHIRSAT

Age / Gender : 28 Years / Female

Consulting Dr. : -

Reg. Location: Vashi (Main Centre)



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:10-Sep-2022 / 16:35

RBC MORPHOLOGY

Hypochromia	Mild
Microcytosis	Mild
Macrocytosis	-
Anisocytosis	-
Poikilocytosis	-
Polychromasia	-
Target Cells	-
Basophilic Stippling	-

Normoblasts Others WBC MORPHOLOGY PLATELET MORPHOLOGY -

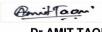
COMMENT -

Specimen: EDTA Whole Blood

ESR, EDTA WB 44 2-20 mm at 1 hr. Westergren

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Panvel Lab, Panvel East
*** End Of Report ***





Dr.AMIT TAORI M.D (Path) Pathologist

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

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



Name : MRS.NISHA RAJU SHIRSAT

Age / Gender : 28 Years / Female

Consulting Dr. :

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Reported :10-Sep-2022 / 15:00

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

PARAMETER	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
GLUCOSE (SUGAR) FASTING, Fluoride Plasma	120.5	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase
GLUCOSE (SUGAR) PP, Fluoride Plasma PP/R	98.7	Non-Diabetic: < 140 mg/dl Impaired Glucose Tolerance: 140-199 mg/dl Diabetic: >/= 200 mg/dl	Hexokinase
BILIRUBIN (TOTAL), Serum	0.47	0.1-1.2 mg/dl	Colorimetric
BILIRUBIN (DIRECT), Serum	0.19	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	0.28	0.1-1.0 mg/dl	Calculated
TOTAL PROTEINS, Serum	6.5	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	4.4	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	2.1	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	2.1	1 - 2	Calculated
SGOT (AST), Serum	14.2	5-32 U/L	NADH (w/o P-5-P)
SGPT (ALT), Serum	14.1	5-33 U/L	NADH (w/o P-5-P)
GAMMA GT, Serum	19.0	3-40 U/L	Enzymatic
ALKALINE PHOSPHATASE, Serum	112.7	35-105 U/L	Colorimetric
Kindly correlate clinically.			
BLOOD UREA, Serum	15.3	12.8-42.8 mg/dl	Kinetic
BUN, Serum	7.1	6-20 mg/dl	Calculated

Page 3 of 11



Name : MRS.NISHA RAJU SHIRSAT

Age / Gender : 28 Years / Female

Consulting Dr. :

Reg. Location

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Reported :10-Sep-2022 / 18:24

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CREATININE, Serum 0.50 0.51-0.95 mg/dl Enzymatic

Kindly correlate clinically.

eGFR, Serum 156 >60 ml/min/1.73sqm Calculated

URIC ACID, Serum 4.7 2.4-5.7 mg/dl Enzymatic

Urine Sugar (Fasting)AbsentAbsentUrine Ketones (Fasting)AbsentAbsent

Urine Sugar (PP)

Absent

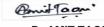
Absent

Urine Ketones (PP)

Absent

Absent





Dr.AMIT TAORI M.D (Path) Pathologist

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

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Name : MRS.NISHA RAJU SHIRSAT

Age / Gender : 28 Years / Female

Consulting Dr. : - Collected : 10-Sep-2022 / 10:59

Reg. Location: Vashi (Main Centre) Reported: 10-Sep-2022 / 15:06

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

<u>PARAMETER</u> <u>RESULTS</u> <u>BIOLOGICAL REF RANGE</u> <u>METHOD</u>

Glycosylated Hemoglobin 5.8 Non-Diabetic Level: < 5.7 % HPLC (HbA1c), EDTA WB - CC Prediabetic Level: 5.7-6.4 %

Prediabetic Level: 5.7-6.4 % Diabetic Level: >/= 6.5 %

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Estimated Average Glucose 119.8 mg/dl Calculated

(eAG), EDTA WB - CC

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 Panvel Lab, Panvel East
*** End Of Report ***



<u> المنظامة</u> Dr.AMIT TAORI M.D (Path)

Pathologist

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



Name : MRS.NISHA RAJU SHIRSAT

Age / Gender : 28 Years / Female

Consulting Dr. : - Collected : 10-Sep-2022 / 10:59

Reg. Location: Vashi (Main Centre) Reported: 10-Sep-2022 / 18:48

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE EXAMINATION OF FAECES

<u>PARAMETER</u> <u>RESULTS</u> <u>BIOLOGICAL REF RANGE</u>

PHYSICAL EXAMINATION

ColourBrownBrownForm and ConsistencySemi SolidSemi SolidMucusAbsentAbsentBloodAbsentAbsent

CHEMICAL EXAMINATION

Reaction (pH) Acidic (6.5) -

Occult Blood Absent Absent

MICROSCOPIC EXAMINATION

Protozoa Absent Absent Flagellates **Absent Absent** Ciliates Absent Absent **Parasites** Absent Absent Macrophages Absent Absent Mucus Strands Absent Absent Fat Globules Absent Absent RBC/hpf Absent Absent WBC/hpf Absent Absent Yeast Cells Absent **Absent Undigested Particles** Present + Concentration Method (for ova) No ova detected Absent Reducing Substances Absent



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Name : MRS.NISHA RAJU SHIRSAT

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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE URINE EXAMINATION REPORT

<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>	
PHYSICAL EXAMINATION				
Color	Pale yellow	Pale Yellow	-	
Reaction (pH)	6.0	4.5 - 8.0	Chemical Indicator	
Specific Gravity	1.005	1.001-1.030	Chemical Indicator	
Transparency	Clear	Clear	-	
Volume (ml)	40	-	-	
CHEMICAL EXAMINATION				
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	
MICROSCOPIC EXAMINATION				
Leukocytes(Pus cells)/hpf	0-1	0-5/hpf		
Red Blood Cells / hpf	Absent	0-2/hpf		

Epithelial Cells / hpf 1-2

CastsAbsentAbsentCrystalsAbsentAbsentAmorphous debrisAbsentAbsent

Bacteria / hpf 10-15 Less than 20/hpf

Others -



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Name : MRS.NISHA RAJU SHIRSAT

Age / Gender : 28 Years / Female

Consulting Dr. : - Collected : 10-Sep-2022 / 10:59

Reg. Location: Vashi (Main Centre) Reported: 10-Sep-2022 / 16:20

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

PARAMETER RESULTS

ABO GROUP 0

Rh TYPING Positive

NOTE: Test performed by automated Erythrocytes magnetized technology (EMT) which is more sensitive than conventional methods.

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 SDRL, Vidyavihar Lab
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Name : MRS.NISHA RAJU SHIRSAT

: 28 Years / Female Age / Gender

Consulting Dr.

Reg. Location : Vashi (Main Centre)



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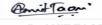
AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE LIPID PROFILE

<u>PARAMETER</u>	RESULTS	BIOLOGICAL REF RANGE	<u>METHOD</u>
CHOLESTEROL, Serum	140.3	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	CHOD-POD
TRIGLYCERIDES, Serum	87.6	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	GPO-POD
HDL CHOLESTEROL, Serum	34.5	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Homogeneous enzymatic colorimetric assay
NON HDL CHOLESTEROL, Serum	105.8	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/dl High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated l
LDL CHOLESTEROL, Serum	94.3	Optimal: <100 mg/dl Near Optimal: 100 - 129 mg/dl Borderline High: 130 - 159 mg/dl High: 160 - 189 mg/dl Very High: >/= 190 mg/dl	Calculated
VLDL CHOLESTEROL, Serum	11.5	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	4.1	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	2.7	0-3.5 Ratio	Calculated

Note: LDL measurement is done by Direct method.

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Panvel Lab, Panvel East *** End Of Report ***





Dr.AMIT TAORI M.D (Path) **Pathologist**

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

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



Name : MRS.NISHA RAJU SHIRSAT

Age / Gender : 28 Years / Female

Consulting Dr. :

Reg. Location: Vashi (Main Centre)

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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE THYROID FUNCTION TESTS

<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
Free T3, Serum	4.9	3.5-6.5 pmol/L	ECLIA
Free T4, Serum	13.9	11.5-22.7 pmol/L First Trimester:9.0-24.7 Second Trimester:6.4-20.59 Third Trimester:6.4-20.59	ECLIA
sensitiveTSH, Serum	1.42	0.35-5.5 microIU/ml First Trimester:0.1-2.5 Second Trimester:0.2-3.0 Third Trimester:0.3-3.0	ECLIA

Page 10 of 11



Name : MRS.NISHA RAJU SHIRSAT

Age / Gender : 28 Years / Female

Consulting Dr. : - Collected : 10-Sep-2022 / 10:59

Reg. Location : Vashi (Main Centre) Reported :10-Sep-2022 / 18:24

Interpretation:

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

Clinical Significance:

1)TSH Values between high abnormal upto15 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 trasiently altered becuase 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:

- 1. 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.
- 2. Patient samples may contain heterophilic antibodies that could react in immunoassays to give falsely elevated or depressed results. this assay is designed to minimize interference from heterophilic antibodies.

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)

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Panvel Lab, Panvel East
*** End Of Report ***



Dr.JYOT THAKKER M.D. (PATH), DPB Pathologist & AVP(Medical Services)

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