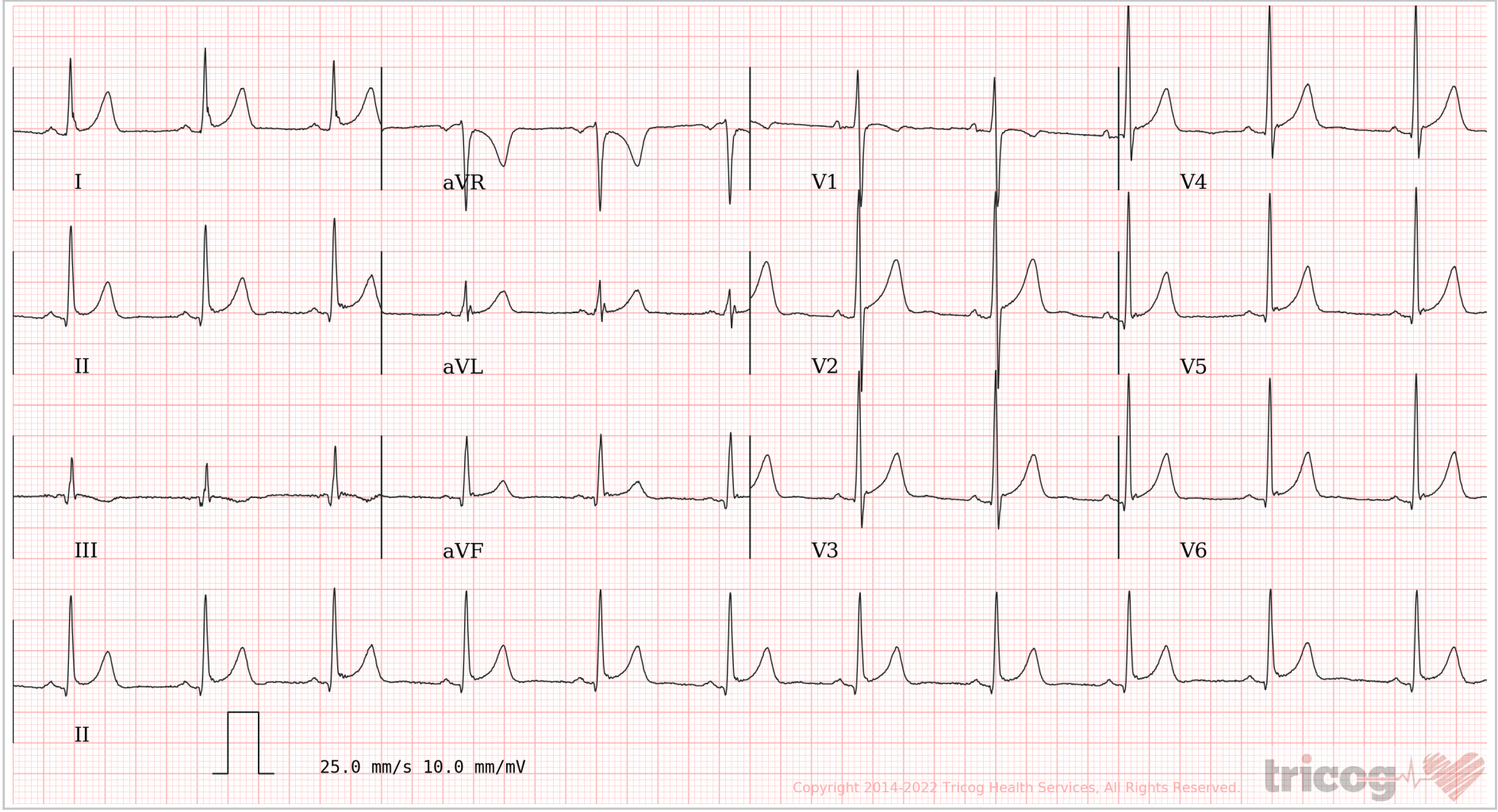
SUBURBAN DIAGNOSTICS
PRECISE TESTING · HEALTHIER LIVING

SUBURBAN DIAGNOSTICS - ANDHERI WEST

Patient Name: SUNIL KUMAR
Patient ID: 2203208792

Date and Time: 1st Feb 22 11:20 AM



Age 38 years 8 months 22 days

Gender **Male**

Heart Rate **68 bpm**

Patient Vitals

BP:	NA
Weight:	80 kg
Height:	165 cm
Pulse:	NA
Spo2:	NA
Resp:	NA
Others:	

Measurements

QSRD:	98 ms
QT:	378 ms
QTc:	401 ms
PR:	134 ms
P-R-T:	20° 44° 23°

ECG Within Normal Limits: Sinus Rhythm, Normal Axis, RV1 8mm , R: S V2 >1.Please correlate clinically.

REPORTED BY

DR RAVI CHAVAN
MD, D.CARD, D. DIABETES
Cardiologist & Diabetologist
2004/06/2468

SUBURBAN DIAGNOSTICS
PRECISE TESTING · HEALTHIER LIVING

Authenticity Check

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REPORT

CID	: 2203208792		
Name	: Mr SUNIL KUMAR		
Age / Sex	: 38 Years/Male		
Ref. Dr	:	**Reg. Date**	: 01-Feb-2022 / 13:03
Reg. Location	: Andheri West (Main Center)	**Reported**	: 01-Feb-2022 / 13:41

USG WHOLE ABDOMEN

LIVER:
The liver is normal in size (13.1cm) and **shows bright echotexture.** 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. No evidence of gall stones seen **A well defined, hyperechoic lesion is noted adherent to the wall of the gall bladder measuring 3.4mm. Features are suggestive of Gall bladder polyp**

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 9.4 x 5.5cm. Left kidney measures 9.0 x 4.9cm.

SPLEEN:
The spleen is normal in size (9.9cm) 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.

PROSTATE:
The prostate is normal in size measuring 4.0 x 3.4 x 3.2cm and volume is 24.1cc.

IMPRESSION:
Grade II fatty liver.
Gall bladder polyp as described above.

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

DR. NIKHIL DEV
M.B.B.S, MD (Radiology)
Reg No – 2014/11/4764
Consultant Radiologist

Click here to view images http://202.143.96.162/Suburban/Viewer?ViewerType=3&AccessionNo=2022020110492139 **Page 1of 2**

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Ref. Dr	:	**Reg. Date**	: 01-Feb-2022 / 13:03
Reg. Location	: Andheri West (Main Center)	**Reported**	: 01-Feb-2022 / 13:41

ADDRESS: 2nd Floor, Aston, Sundervan Complex, Above Mercedes Showroom, Andheri West - 400053
HEALTHLINE - MUMBAI: 022-6170-0000 | OTHER CITIES: 1800-266-4343
For Feedback - customerservice@suburbandiagnostics.com | www.suburbandiagnostics.com

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R E P O R T

CID	: 2203208792		
Name	: Mr SUNIL KUMAR		
Age / Sex	: 38 Years/Male		
Ref. Dr	:	**Reg. Date**	: 01-Feb-2022 / 10:55
Reg. Location	: Andheri West (Main Center)	**Reported**	: 01-Feb-2022 / 13:28

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 R K Bhandari
M D , DMRE
MMC REG NO. 34078

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REPORT

CID	: 2203208792		
Name	: MR.SUNIL KUMAR		
Age / Gender	: 38 Years / Male		
Consulting Dr.	: -	**Collected**	: 01-Feb-2022 / 10:58
Reg. Location	: Andheri West (Main Centre)	**Reported**	: 01-Feb-2022 / 16:42

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

CBC (Complete Blood Count), Blood

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
RBC PARAMETERS			
Haemoglobin	14.1	13.0-17.0 g/dL	Spectrophotometric
RBC	4.95	4.5-5.5 mil/cmm	Elect. Impedance
PCV	42.4	40-50 %	Measured
MCV	85.6	80-100 fl	Calculated
MCH	28.5	27-32 pg	Calculated
MCHC	33.3	31.5-34.5 g/dL	Calculated
RDW	**14.7**	11.6-14.0 %	Calculated
WBC PARAMETERS			
WBC Total Count	4160	4000-10000 /cmm	Elect. Impedance
WBC DIFFERENTIAL AND ABSOLUTE COUNTS			
Lymphocytes	30.1	20-40 %	
Absolute Lymphocytes	1252.2	1000-3000 /cmm	Calculated
Monocytes	8.0	2-10 %	
Absolute Monocytes	332.8	200-1000 /cmm	Calculated
Neutrophils	57.6	40-80 %	
Absolute Neutrophils	2396.2	2000-7000 /cmm	Calculated
Eosinophils	3.3	1-6 %	
Absolute Eosinophils	137.3	20-500 /cmm	Calculated
Basophils	1.0	0.1-2 %	
Absolute Basophils	41.6	20-100 /cmm	Calculated
Immature Leukocytes	-		

WBC Differential Count by Absorbance & Impedance method/Microscopy.

PLATELET PARAMETERS			
Platelet Count	**117000**	150000-400000 /cmm	Elect. Impedance
MPV	**14.3**	6-11 fl	Calculated
PDW	**29.0**	11-18 %	Calculated
RBC MORPHOLOGY			
Hypochromia	-		
Microcytosis	-		

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Reg. Location	: Andheri West (Main Centre)	**Reported**	: 01-Feb-2022 / 12:48

Macrocytosis	-
Anisocytosis	-
Poikilocytosis	-
Polychromasia	-
Target Cells	-
Basophilic Stippling	-
Normoblasts	-
Others	Normocytic,Normochromic
WBC MORPHOLOGY	Few atypical/reactive lymphocytes present
PLATELET MORPHOLOGY	Platelet count may not be representative due to presence of megaplatelets on smear
COMMENT	-

Result rechecked.
Kindly correlate clinically.

Specimen: EDTA Whole Blood

ESR, EDTA WB	12	2-15 mm at 1 hr.	Westergren

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

*** End Of Report ***

MC-2111

Dr. AMAR DASGUPTA, MD,PhD
Consultant Hematopathologist
Director - Medical Services

Dr.SHASHIKANT DIGHADE
M.D. (PATH)
Pathologist

CAP ACCREDITED
COLLEGE of AMERICAN PATHOLOGISTS

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Consulting Dr.	: -	**Collected**	: 01-Feb-2022 / 10:58
Reg. Location	: Andheri West (Main Centre)	**Reported**	: 01-Feb-2022 / 13:12

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
GLUCOSE (SUGAR) FASTING, Fluoride Plasma	96.5	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase
BILIRUBIN (TOTAL), Serum	0.57	0.1-1.2 mg/dl	Colorimetric
BILIRUBIN (DIRECT), Serum	0.26	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	0.31	0.1-1.0 mg/dl	Calculated
TOTAL PROTEINS, Serum	8.1	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	5.0	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	3.1	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.6	1 - 2	Calculated
SGOT (AST), Serum	34.8	5-40 U/L	NADH (w/o P-5-P)
SGPT (ALT), Serum	**60.0**	5-45 U/L	NADH (w/o P-5-P)
GAMMA GT, Serum	18.6	3-60 U/L	Enzymatic
ALKALINE PHOSPHATASE, Serum	88.6	40-130 U/L	Colorimetric
BLOOD UREA, Serum	25.7	12.8-42.8 mg/dl	Kinetic
BUN, Serum	12.0	6-20 mg/dl	Calculated
CREATININE, Serum	0.83	0.67-1.17 mg/dl	Enzymatic
eGFR, Serum	110	>60 ml/min/1.73sqm	Calculated
URIC ACID, Serum	6.1	3.5-7.2 mg/dl	Enzymatic

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MC-2111

Dr.ANUPA DIXIT
M.D.(PATH)
Consultant Pathologist & Lab Director

CID	: 2203208792		
Name	: MR.SUNIL KUMAR		
Age / Gender	: 38 Years / Male		
Consulting Dr.	: -	**Collected**	: 01-Feb-2022 / 10:58
Reg. Location	: Andheri West (Main Centre)	**Reported**	: 01-Feb-2022 / 15:01

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 ***

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MC-2111

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

CID	: 2203208792		
Name	: MR.SUNIL KUMAR		
Age / Gender	: 38 Years / Male		
Consulting Dr.	: -	**Collected**	: 01-Feb-2022 / 10:58
Reg. Location	: Andheri West (Main Centre)	**Reported**	: 01-Feb-2022 / 17:00

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

URINE EXAMINATION REPORT

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
PHYSICAL EXAMINATION			
Color	Pale yellow	Pale Yellow	-
Reaction (pH)	7.0	4.5 - 8.0	Chemical Indicator
Specific Gravity	1.005	1.001-1.030	Chemical Indicator
Transparency	Clear	Clear	-
Volume (ml)	30	-	-
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	1-2	0-5/hpf	
Red Blood Cells / hpf	Absent	0-2/hpf	
Epithelial Cells / hpf	0-1		
Casts	Absent	Absent	
Crystals	Absent	Absent	
Amorphous debris	Absent	Absent	
Bacteria / hpf	2-3	Less than 20/hpf	
Others	-		

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M.D. (PATH)
Pathologist

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

PARAMETER	RESULTS
ABO GROUP	AB
Rh TYPING	POSITIVE

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

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Dr.ANUPA DIXIT
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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

LIPID PROFILE

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
CHOLESTEROL, Serum	**211.6**	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	Enzymatic
TRIGLYCERIDES, Serum	93.0	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	Enzymatic
HDL CHOLESTEROL, Serum	45.5	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Enzymatic
NON HDL CHOLESTEROL, Serum	**166.1**	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/dl High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated
LDL CHOLESTEROL, Serum	**147.0**	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	19.1	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	**4.7**	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	3.2	0-3.5 Ratio	Calculated

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AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE
THYROID FUNCTION TESTS

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
Free T3, Serum	5.0	3.5-6.5 pmol/L	ECLIA
Free T4, Serum	17.3	11.5-22.7 pmol/L	ECLIA
sensitiveTSH, Serum	3.44	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 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: 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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*** End Of Report ***

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