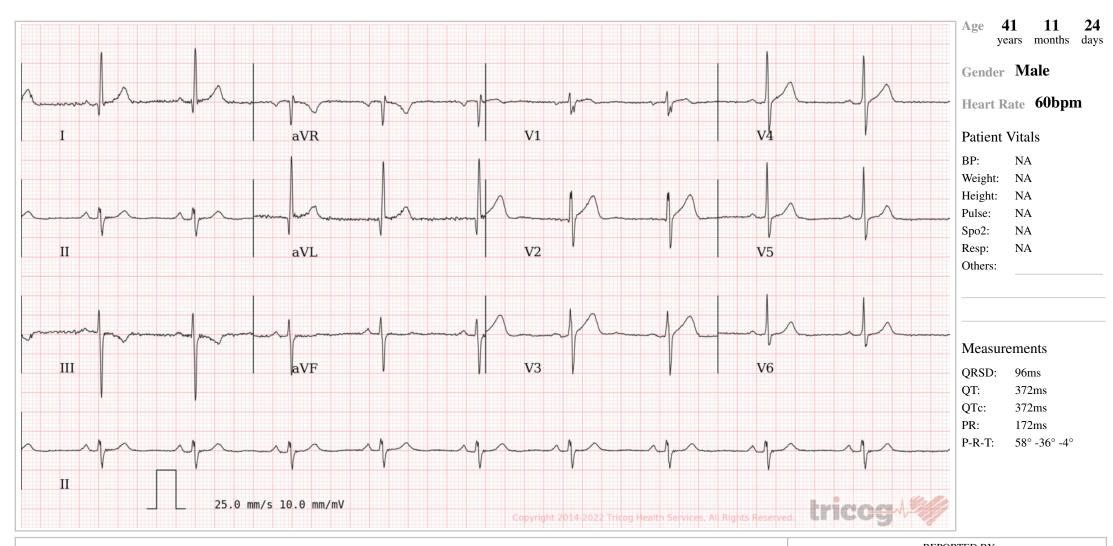
## SUBURBAN DIAGNOSTICS - KANDIVALI EAST



Patient Name: ARNAB DAS

Patient ID: 2226023712

Date and Time: 17th Sep 22 9:05 AM



Sinus Rhythm, Left Axis Deviation, Voltage Criteria for Left Ventricular Hypertrophy. Please correlate clinically.

REPORTED BY

Heal Les

DR AKHIL PARULEKAR MBBS.MD. MEDICINE, DNB Cardiology Cardiologist 2012082483

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 : Mr ARNAB DAS

Age / Sex : 41 Years/Male

Ref. Dr Reg. Date : 17-Sep-2022

Reg. Location : Kandivali East Main Centre Reported



R

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: 17-Sep-2022/08:49

## **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 9.5 x 4.5 cm. Left kidney measures 10.5 x 5.0 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.

### **PROSTATE:**

The prostate is normal in size and volume is 22.1 cc.



Name : Mr ARNAB DAS

Age / Sex : 41 Years/Male

Ref. Dr :

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## **IMPRESSION:**

No significant abnormality is seen.



This report is prepared and physically checked by DR. FAIZUR KHILJI before dispatch.

KLIP FRA

Dr.FAIZUR KHILJI MBBS,RADIO DIAGNOSIS Reg No-74850 Consultant Radiologist

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. Patient was explained in detail verbally about the USG findings, USG measurements and its limitations. In case of any typographical error in the report, patient is requested to immediately contact the centre for rectification. Please interpret accordingly. All safety precautions were taken before, during and after the USG examination in view of the ongoing Covid 19 pandemic.



Name : Mr ARNAB DAS Age / Sex : 41 Years/Male

Ref. Dr :

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**Reg. Date** : 17-Sep-2022

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Name : Mr ARNAB DAS

Age / Sex : 41 Years/Male Ref. Dr :

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**Reported** : 17-Sep-2022/12:56

## 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-----

KLINIFER

Dr.FAIZUR KHILJI MBBS,RADIO DIAGNOSIS Reg No-74850 Consultant Radiologist



Name : Mr ARNAB DAS Age / Sex : 41 Years/Male

Ref. Dr

Reg. Location : Kandivali East Main Centre Authenticity Check

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:17-Sep-2022 / 08:22

:17-Sep-2022 / 10:57

Name : MR. ARNAB DAS Age / Gender :41 Years / Male

: 2226023712

Consulting Dr.

Reg. Location

CID

: Kandivali East (Main Centre)

**AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE** 

CBC (Complete Blood Count), Blood			
<u>PARAMETER</u>	<u>RESULTS</u>	<b>BIOLOGICAL REF RANGE</b>	<u>METHOD</u>
RBC PARAMETERS			
Haemoglobin	13.3	13.0-17.0 g/dL	Spectrophotometric
RBC	4.44	4.5-5.5 mil/cmm	Elect. Impedance
PCV	39.9	40-50 %	Measured
MCV	90	80-100 fl	Calculated
MCH	30.0	27-32 pg	Calculated
MCHC	33.4	31.5-34.5 g/dL	Calculated
RDW	13.7	11.6-14.0 %	Calculated
WBC PARAMETERS			
WBC Total Count	5800	4000-10000 /cmm	Elect. Impedance
WBC DIFFERENTIAL AND ABSO	LUTE COUNTS		
Lymphocytes	30.8	20-40 %	
Absolute Lymphocytes	1786.4	1000-3000 /cmm	Calculated
Monocytes	9.0	2-10 %	
Absolute Monocytes	522.0	200-1000 /cmm	Calculated
Neutrophils	59.0	40-80 %	
Absolute Neutrophils	3422.0	2000-7000 /cmm	Calculated
Eosinophils	1.0	1-6 %	
Absolute Eosinophils	58.0	20-500 /cmm	Calculated
Basophils	0.2	0.1-2 %	
Absolute Basophils	11.6	20-100 /cmm	Calculated
Immature Leukocytes	-		

WBC Differential Count by Absorbance & Impedance method/Microscopy.

### **PLATELET PARAMETERS**

Platelet Count	179000	150000-400000 /cmm	Elect. Impedance
MPV	9.6	6-11 fl	Calculated
PDW	17.6	11-18 %	Calculated

Page 1 of 11

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Name : MR. ARNAB DAS

:41 Years / Male Age / Gender

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#### **RBC MORPHOLOGY**

Hypochromia

Microcytosis

Macrocytosis

Anisocytosis

Poikilocytosis

Polychromasia

**Target Cells** 

Basophilic Stippling

Normoblasts

Others Normocytic, Normochromic

**WBC MORPHOLOGY** 

PLATELET MORPHOLOGY

**COMMENT** 

Specimen: EDTA Whole Blood

ESR, EDTA WB 5 2-15 mm at 1 hr. Westergren

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: 2226023712 Name : MR.ARNAB DAS :41 Years / Male

Age / Gender Consulting Dr.

Reg. Location : Kandivali East (Main Centre) Collected :17-Sep-2022 / 08:22

Reported :17-Sep-2022 / 12:57

## **AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**

ALIN OCHMITIENE ITTORICE DELOW TO MAKELIT EMMEL				
<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>	
GLUCOSE (SUGAR) FASTING, Fluoride Plasma	95.3	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase	
GLUCOSE (SUGAR) PP, Fluoride Plasma PP/R	79.2	Non-Diabetic: < 140 mg/dl Impaired Glucose Tolerance: 140-199 mg/dl Diabetic: >/= 200 mg/dl	Hexokinase	
BILIRUBIN (TOTAL), Serum	0.87	0.3-1.2 mg/dl	Vanadate oxidation	
Kindly note change in Ref range and	method w.e.f.11-07-2022			
BILIRUBIN (DIRECT), Serum	0.28	0-0.3 mg/dl	Vanadate oxidation	
Kindly note change in Ref range and	method w.e.f.11-07-2022			
BILIRUBIN (INDIRECT), Serum	0.59	<1.2 mg/dl	Calculated	
TOTAL PROTEINS, Serum	6.5	5.7-8.2 g/dL	Biuret	
Kindly note change in Ref range and	method w.e.f.11-07-2022			
ALBUMIN, Serum	4.4	3.2-4.8 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	22.4	<34 U/L	Modified IFCC	
Kindly note change in Ref range and	method w.e.f.11-07-2022			
SGPT (ALT), Serum	18.2	10-49 U/L	Modified IFCC	
Kindly note change in Ref range and	method w.e.f.11-07-2022			

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: 2226023712

Name : MR.ARNAB DAS

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Modified IFCC

Modified IFCC

**Reported** :17-Sep-2022 / 16:42

Collected

46-116 U/L

GAMMA GT, Serum 14.5 <73 U/L

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ALKALINE PHOSPHATASE, 54.9

Serum

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BLOOD UREA, Serum 14.7 19.29-49.28 mg/dl Calculated

Kindly note change in Ref range and method w.e.f.11-07-2022

BUN, Serum 6.9 9.0-23.0 mg/dl Urease with GLDH

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CREATININE, Serum 0.73 0.60-1.10 mg/dl Enzymatic

Kindly note change in Ref range and method w.e.f.11-07-2022

eGFR, Serum 126 >60 ml/min/1.73sqm Calculated

URIC ACID, Serum 5.2 3.7-9.2 mg/dl Uricase/ Peroxidase

Kindly note change in Ref range and method w.e.f.11-07-2022

Urine Sugar (Fasting) Absent Absent
Urine Ketones (Fasting) Absent Absent

Urine Sugar (PP) Absent Absent
Urine Ketones (PP) Absent Absent

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

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**HPLC** 

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

#### **BIOLOGICAL REF RANGE PARAMETER RESULTS** METHOD

Glycosylated Hemoglobin 5.2

Non-Diabetic Level: < 5.7 % Prediabetic Level: 5.7-6.4%

Collected

Reported

Diabetic Level: >/= 6.5 %

Estimated Average Glucose 102.5 mg/dl Calculated

(eAG), EDTA WB - CC

(HbA1c), 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 SDRL, Vidyavihar Lab \*\*\* End Of Report \*\*\*



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

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CID : 2226023712 Name : MR.ARNAB DAS

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## 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 (5.5)

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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CID : 2226023712 Name : MR. ARNAB DAS

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## **AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE** LIRINF FXAMINATION REPORT

ORINE EXAMINATION REPORT			
<u>PARAMETER</u>	<u>RESULTS</u>	<b>BIOLOGICAL REF RANGE</b>	<u>METHOD</u>
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	Slight hazy	Clear	-
Volume (ml)	20	-	-
<b>CHEMICAL EXAMINATION</b>			
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 EXAMINATIO	<u>N</u>		
Leukocytes(Pus cells)/hpf	1-2	0-5/hpf	
D 10 10 11 /1 /		0.04.6	

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 16-18 Less than 20/hpf

Others

<sup>\*</sup>Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West \*\*\* End Of Report \*\*







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Name : MR.ARNAB DAS

Age / Gender : 41 Years / Male

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

PARAMETER RESULTS

ABO GROUP A

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 : MR.ARNAB DAS

Age / Gender : 41 Years / Male

Consulting Dr. :

Reg. Location

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# AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE LIPID PROFILE

<u>PARAMETER</u>	<u>RESULTS</u>	BIOLOGICAL REF RANGE	<u>METHOD</u>
CHOLESTEROL, Serum	140.2	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	CHOD-POD
TRIGLYCERIDES, Serum	92.4	Normal: <150 mg/dl Borderline-high: 150 - 199 mg/dl High: 200 - 499 mg/dl Very high:>/=500 mg/dl	Enzymatic colorimetric
HDL CHOLESTEROL, Serum	33.5	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Elimination/ Catalase
NON HDL CHOLESTEROL, Serum	106.7	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/dl High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated
LDL CHOLESTEROL, Serum	88.2	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	18.5	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	4.2	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	2.6	0-3.5 Ratio	Calculated

<sup>\*</sup>Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD SDRL, Vidyavihar Lab
\*\*\* End Of Report \*\*\*



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

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



: 2226023712

Name : MR.ARNAB DAS

Age / Gender : 41 Years / Male

Consulting Dr. : -

CID

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## AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE THYROID FUNCTION TESTS

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

Free T3, Serum 5.3 3.5-6.5 pmol/L CLIA

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Free T4, Serum 11.8 11.5-22.7 pmol/L CLIA

Kindly note change in Ref range and method w.e.f.11-07-2022

sensitiveTSH, Serum 0.741 0.55-4.78 microIU/ml CLIA

Kindly note change in Ref range and method w.e.f.11-07-2022

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Age / Gender : 41 Years / Male

: MR. ARNAB DAS

Consulting Dr. : - Collected :17-Sep-2022 / 08:22

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#### Interpretation:

Name

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)

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