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CID : 2234420774

Name : Ms SANCHITA BABAN PEDNEKAR

Age / Sex : 32 Years/Female

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

Reg. Location : Borivali West Reported : 10-Dec-2022 / 14:29

USG WHOLE ABDOMEN

<u>LIVER:</u> Liver is normal in size, shape and echotexture. There is no intra-hepatic biliary radical dilatation. No evidence of any obvious focal lesion.

GALL BLADDER: Gall bladder is distended and appears normal. No obvious wall thickening is noted. There is no evidence of any calculus.

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

<u>PANCREAS:</u> Pancreas appears normal in echotexture. There is no evidence of any focal lesion or calcification.

KIDNEYS: Right kidney measures 10.4 x 3.9 cm. Left kidney measures 9.3 x 4.1 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.

<u>UTERUS:</u> Uterus is anteverted, normal and measures 5.2 x 3.5 x 4.7 cm. Uterine myometrium shows homogenous echotexture. Endometrium is normal in thickness and measures 7.3 mm. Cervix appears normal.

OVARIES: Both ovaries appear normal in size and echotexture.

The right ovary measures 1.9 x 1.4 cm.

The left ovary measures $1.7 \times 1.5 \text{ cm}$.

Bilateral adnexa is clear.

No free fluid or obvious significant lymphadenopathy is seen.



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Opinion:

• No significant abnormality is detected.

For clinical correlation and follow up.

Investigations have their limitations. They only help in diagnosing the disease in correlation to clinical symptoms and other related tests. Please interpret accordingly.

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

This report is prepared and physically checked by DR SUDHANSHU SAXENA before dispatch.

DR.SUDHANSHU SAXENA Consultant Radiologist M.B.B.S DMRE (RadioDiagnosis) RegNo .MMC 2016061376.



Name : Ms SANCHITA BABAN

PEDNEKAR

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Reg. Location: Borivali West

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Reported : 10-Dec-2022/14:13

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-----

This report is prepared and physically checked by DR SUDHANSHU SAXENA before dispatch.

DR.SUDHANSHU SAXENA
Consultant Radiologist
M.B.B.S.DMRE (PadioDiagn

M.B.B.S DMRE (RadioDiagnosis) RegNo .MMC 2016061376.



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Reported : 10-Dec-2022/14:13



CID : 2234420774

Name : MS.SANCHITA BABAN PEDNEKAR

Age / Gender : 32 Years / Female

Consulting Dr. Collected Reported

Reg. Location : Borivali West (Main Centre)



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:10-Dec-2022 / 10:36 :10-Dec-2022 / 13:12

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	14.8	12.0-15.0 g/dL	Spectrophotometric
RBC	5.19	3.8-4.8 mil/cmm	Elect. Impedance
PCV	44.7	36-46 %	Measured
MCV	86	80-100 fl	Calculated
MCH	28.6	27-32 pg	Calculated
MCHC	33.2	31.5-34.5 g/dL	Calculated
RDW	13.2	11.6-14.0 %	Calculated
WBC PARAMETERS			
WBC Total Count	6540	4000-10000 /cmm	Elect. Impedance
WBC DIFFERENTIAL AND ABS	OLUTE COUNTS		
Lymphocytes	34.8	20-40 %	
Absolute Lymphocytes	2275.9	1000-3000 /cmm	Calculated
Monocytes	9.9	2-10 %	
Absolute Monocytes	647.5	200-1000 /cmm	Calculated
Neutrophils	47.3	40-80 %	
Absolute Neutrophils	3093.4	2000-7000 /cmm	Calculated
Eosinophils	7.4	1-6 %	
Absolute Eosinophils	484.0	20-500 /cmm	Calculated
Basophils	0.6	0.1-2 %	
Absolute Basophils	39.2	20-100 /cmm	Calculated
Immature Leukocytes	-		

WBC Differential Count by Absorbance & Impedance method/Microscopy.

PLATELET PARAMETERS

Platelet Count	242000	150000-400000 /cmm	Elect. Impedance
MPV	8.4	6-11 fl	Calculated
PDW	15.9	11-18 %	Calculated

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Consulting Dr. : - **Collected :** 10-Dec-2022 / 10:36

Reg. Location : Borivali West (Main Centre) Reported :10-Dec-2022 / 12:30

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 2-20 mm at 1 hr. Sedimentation

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





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

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

For Feedback - customerservice@suburbandiagnostics.com | www.suburbandiagnostics.com



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:10-Dec-2022 / 10:36

Reported :10-Dec-2022 / 14:16

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE

<u>PARAMETER</u>	RESULTS	BIOLOGICAL REF RANGE	<u>METHOD</u>
GLUCOSE (SUGAR) FASTING, Fluoride Plasma	83.5	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase
GLUCOSE (SUGAR) PP, Fluoride Plasma PP/R	99.7	Non-Diabetic: < 140 mg/dl Impaired Glucose Tolerance: 140-199 mg/dl Diabetic: >/= 200 mg/dl	Hexokinase
BILIRUBIN (TOTAL), Serum	0.70	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	0.26	0-0.3 mg/dl	Vanadate oxidation
Kindly note change in Ref range and	method w.e.f.11-07-2022		
BILIRUBIN (INDIRECT), Serum	0.44	<1.2 mg/dl	Calculated
TOTAL PROTEINS, Serum	8.1	5.7-8.2 g/dL	Biuret
Kindly note change in Ref range and	method w.e.f.11-07-2022		
ALBUMIN, Serum	5.3	3.2-4.8 g/dL	BCG
GLOBULIN, Serum	2.8	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.9	1 - 2	Calculated
SGOT (AST), Serum	12.5	5-32 U/L	NADH (w/o P-5-P)
SGPT (ALT), Serum	9.3	10-49 U/L	Modified IFCC
Kindly note change in Ref range and	d method w.e.f.11-07-2022		
GAMMA GT, Serum	12.9	<38 U/L	Modified IFCC

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Reg. Location : Borivali West (Main Centre)



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Reported

:10-Dec-2022 / 14:14

:10-Dec-2022 / 19:23

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ALKALINE PHOSPHATASE, 58.8 46-116 U/L Modified IFCC Serum

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

BLOOD UREA, Serum 19.0 19.29-49.28 mg/dl Calculated

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

BUN, Serum 8.9 9.0-23.0 mg/dl Urease with GLDH

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

CREATININE, Serum 0.82 0.51-0.95 mg/dl Enzymatic eGFR, Serum 86 >60 ml/min/1.73sqm Calculated

URIC ACID, Serum 5.7 3.1-7.8 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

*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West
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Reg. Location : Borivali West (Main Centre) Reported :10-Dec-2022 / 16:09

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 5.2 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 102.5 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 SDRL, Vidyavihar Lab
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Dr.LEENA SALUNKHE M.B.B.S, DPB (PATH) Pathologist

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:10-Dec-2022 / 15:41

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE URINE EXAMINATION REPORT

Clear

BIOLOGICAL REF RANGE

1 AIGAMETEIX	KESOLIS	DIOCOGICAL REI HAITOL	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

Volume (ml) **CHEMICAL EXAMINATION**

PARAMFTFR

Transparency

Proteins	Absent	Absent	pH Indicator
Glucose	Absent	Absent	GOD-POD
Ketones	Absent	Absent	Legals Test
Blood	Trace	Absent	Peroxidase
Bilirubin	Absent	Absent	Diazonium Salt
Urobilinogen	Normal	Normal	Diazonium Salt
Nitrite	Absent	Absent	Griess Test

MICROSCOPIC EXAMINATION

Leukocytes(Pus cells)/hpf	2-3	0-5/hpf
Red Blood Cells / hpf	Occasional	0-2/hpf

1-2 Epithelial Cells / hpf

Casts Absent Absent Crystals Absent Absent Amorphous debris Absent Absent

Bacteria / hpf Less than 20/hpf

RESULTS

Clear

Others

Interpretation: The concentration values of Chemical analytes corresponding to the grading given in the report are as follows:

- Protein:(1+ \sim 25 mg/dl, 2+ \sim 75 mg/dl, 3+ \sim 150 mg/dl, 4+ \sim 500 mg/dl)
- Glucose: (1+ ~ 50 mg/dl, 2+ ~100 mg/dl, 3+ ~300 mg/dl, 4+ ~1000 mg/dl)
- Ketone: (1 + ~5 mg/dl, 2 + ~15 mg/dl, 3 + ~50 mg/dl, 4 + ~150 mg/dl)

Reference: Pack insert







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Reg. Location : Borivali West (Main Centre) Reported :10-Dec-2022 / 16:17

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

PARAMETER RESULTS

ABO GROUP B

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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Dr.LEENA SALUNKHE M.B.B.S, DPB (PATH) Pathologist

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:10-Dec-2022 / 10:36

:10-Dec-2022 / 14:16

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE LIPID PROFILE

<u>PARAMETER</u>	RESULTS	BIOLOGICAL REF RANGE	<u>METHOD</u>
CHOLESTEROL, Serum	134.7	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	CHOD-POD
TRIGLYCERIDES, Serum	54.5	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	37.0	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Elimination/ Catalase
NON HDL CHOLESTEROL, Serum	97.7	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/dl High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated
LDL CHOLESTEROL, Serum	86.8	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	10.9	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	3.6	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	2.4	0-3.5 Ratio	Calculated

^{*}Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD SDRL, Vidyavihar Lab *** End Of Report ***



Dr.VRUSHALI SHROFF M.D.(PATH) Pathologist

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Name : MS.SANCHITA BABAN PEDNEKAR

Age / Gender : 32 Years / Female

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Free T3, Serum

Reg. Location

: Borivali West (Main Centre)



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CLIA

Reported :10-Dec-2022 / 14:06

AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE THYROID FUNCTION TESTS

3.5-6.5 pmol/L

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

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

5.7

Free T4, Serum 16.9 11.5-22.7 pmol/L CLIA

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

sensitiveTSH, Serum 1.301 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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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 SDRL, Vidyavihar Lab
*** End Of Report ***



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

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