# SUBURBAN DIAGNOSTICS - BORIVALI WEST



Patient Name: REENA AGARWAL

Patient ID: 2135132540 Date and Time: 17th Dec 21 11:17 AM

years months days

Gender Female

Heart Rate 75 bpm

### **Patient Vitals**

130/90 mmHg BP:

69 kg Weight:

Height: 160 cm

NA Spo2: NA

Resp:

Others:

Measurements

QSRD: 70 ms

370 ms

QTc: 413 ms

PR: 146 ms

P-R-T: 61° 49° 47°

Pulse: Η aVL V5 IIIaVF V6 QT: 25.0 mm/s 10.0 mm/mV

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

REPORTED BY

Dr Nitin Sonavane M.B.B.S.AFLH, D.DIAB, D.CARD **Consultant Cardiologist** 87714

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 Reena Agarwal

Age / Sex : 39 Years/Female

Ref. Dr :

Reg. Location : Borivali West



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# **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 10.7 x 4.3 cm. Left kidney measures 9.7 x 5.4 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 4.2 x 5.4 x 5.8 cm. Uterine myometrium shows homogenous echotexture. Endometrium is normal in thickness and measures 14 mm. Cervix appears normal.

# **OVARIES:**

The right ovary measures 3.0 x 1.4 cm. The left ovary is not well appreciated in present scan.

Bilateral adnexa is clear.

No free fluid or obvious significant lymphadenopathy is seen.

Click here to view images http://202.143.96.162/Suburban/Viewer?ViewerType=3&AccessionNo=2021121710360695 Page 1of 2



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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-----



Dr. VIKRANT S. PATIL M. D. Radio Diagnosis Reg No 2014052421



Name : Mrs Reena Agarwal

Age / Sex : 39 Years/Female

Ref. Dr :

Reg. Location : Borivali West



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# 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-----

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Dr. VIKRANT S. PATIL M. D. Radio Diagnosis Reg No 2014052421



Name : MRS.REENA AGARWAL

Age / Gender : 39 Years / Female

Consulting Dr. : -

Reg. Location : Borivali West (Main Centre)



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# **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                       | 11.8           | 12.0-15.0 g/dL              | Spectrophotometric |
| RBC                               | 4.53           | 3.8-4.8 mil/cmm             | Elect. Impedance   |
| PCV                               | 36.2           | 36-46 %                     | Measured           |
| MCV                               | 80             | 80-100 fl                   | Calculated         |
| MCH                               | 26.1           | 27-32 pg                    | Calculated         |
| MCHC                              | 32.7           | 31.5-34.5 g/dL              | Calculated         |
| RDW                               | 12.9           | 11.6-14.0 %                 | Calculated         |
| WBC PARAMETERS                    |                |                             |                    |
| WBC Total Count                   | 6600           | 4000-10000 /cmm             | Elect. Impedance   |
| WBC DIFFERENTIAL AND ABS          | OLUTE COUNTS   |                             |                    |
| Lymphocytes                       | 27.6           | 20-40 %                     |                    |
| Absolute Lymphocytes              | 1821.6         | 1000-3000 /cmm              | Calculated         |
| Monocytes                         | 3.7            | 2-10 %                      |                    |
| Absolute Monocytes                | 244.2          | 200-1000 /cmm               | Calculated         |
| Neutrophils                       | 64.5           | 40-80 %                     |                    |
| Absolute Neutrophils              | 4257.0         | 2000-7000 /cmm              | Calculated         |
| Eosinophils                       | 3.7            | 1-6 %                       |                    |
| Absolute Eosinophils              | 244.2          | 20-500 /cmm                 | Calculated         |
| Basophils                         | 0.5            | 0.1-2 %                     |                    |
| Absolute Basophils                | 33.0           | 20-100 /cmm                 | Calculated         |
| Immature Leukocytes               | -              |                             |                    |

WBC Differential Count by Absorbance & Impedance method/Microscopy.

# **PLATELET PARAMETERS**

| Platelet Count | 336000 | 150000-400000 /cmm | Elect. Impedance |
|----------------|--------|--------------------|------------------|
| MPV            | 7.9    | 6-11 fl            | Calculated       |
| PDW            | 12.0   | 11-18 %            | Calculated       |

**RBC MORPHOLOGY** 

Hypochromia Mild

Microcytosis Occasional

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Age / Gender : 39 Years / Female

**Consulting Dr. :** - **Collected :** 17-Dec-2021 / 10:35

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Macrocytosis -

Anisocytosis -

Poikilocytosis -

Polychromasia -

Target Cells -

Basophilic Stippling -

Normoblasts -

Others

WBC MORPHOLOGY -

PLATELET MORPHOLOGY -

COMMENT -

Specimen: EDTA Whole Blood

ESR, EDTA WB-ESR 15 2-20 mm at 1 hr. Westergren

\*Sample processed at SUBURBAN DIAGNOSTICS (INDIA) PVT. LTD Borivali Lab, Borivali West
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# **AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE**

| <u>PARAMETER</u>                            | <u>RESULTS</u> | BIOLOGICAL REF RANGE   | <u>METHOD</u>    |
|---|----------------|--|------------------|
| GLUCOSE (SUGAR) FASTING,<br>Fluoride Plasma | 93.5           | Non-Diabetic: < 100 mg/dl<br>Impaired Fasting Glucose:<br>100-125 mg/dl<br>Diabetic: >/= 126 mg/dl   | Hexokinase       |
| GLUCOSE (SUGAR) PP, Fluoride<br>Plasma PP/R | 117.4          | Non-Diabetic: < 140 mg/dl<br>Impaired Glucose Tolerance:<br>140-199 mg/dl<br>Diabetic: >/= 200 mg/dl | Hexokinase       |
| BILIRUBIN (TOTAL), Serum                    | 0.33           | 0.1-1.2 mg/dl  | Colorimetric     |
| BILIRUBIN (DIRECT), Serum                   | 0.14           | 0-0.3 mg/dl  | Diazo            |
| BILIRUBIN (INDIRECT), Serum                 | 0.19           | 0.1-1.0 mg/dl  | Calculated       |
| TOTAL PROTEINS, Serum                       | 7.1            | 6.4-8.3 g/dL   | Biuret           |
| ALBUMIN, Serum                              | 4.7            | 3.5-5.2 g/dL   | BCG              |
| GLOBULIN, Serum                             | 2.4            | 2.3-3.5 g/dL   | Calculated       |
| A/G RATIO, Serum                            | 2              | 1 - 2  | Calculated       |
| SGOT (AST), Serum                           | 11.8           | 5-32 U/L   | NADH (w/o P-5-P) |
| SGPT (ALT), Serum                           | 9.4            | 5-33 U/L   | NADH (w/o P-5-P) |
| GAMMA GT, Serum                             | 10.0           | 3-40 U/L   | Enzymatic        |
| ALKALINE PHOSPHATASE,<br>Serum              | 88.8           | 35-105 U/L   | Colorimetric     |
| BLOOD UREA, Serum                           | 17.2           | 12.8-42.8 mg/dl  | Kinetic          |
| BUN, Serum                                  | 8.0            | 6-20 mg/dl   | Calculated       |
| CREATININE, Serum                           | 0.63           | 0.51-0.95 mg/dl  | Enzymatic        |
| eGFR, Serum                                 | 112            | >60 ml/min/1.73sqm   | Calculated       |
| URIC ACID, Serum                            | 3.8            | 2.4-5.7 mg/dl  | Enzymatic        |
|   |                |  |                  |

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Urine Sugar (Fasting)AbsentAbsentUrine Ketones (Fasting)AbsentAbsent

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

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# 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 6.0 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%

Estimated Average Glucose 125.5 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.

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



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

| UNINE 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                | Clear          | Clear                       | -                  |  |
| Volume (ml)                 | 40             | -                           | -                  |  |
| <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 EXAMINATION     | <u>N</u>       |                             |                    |  |
| Leukocytes(Pus cells)/hpf   | 2-3            | 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 10-12 Less than 20/hpf

Others









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

**PARAMETER RESULTS** 

**ABO GROUP** В

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:

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

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Dr.MEGHA SHARMA M.D. (PATH), DNB (PATH) **Pathologist** 

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Name : MRS.REENA AGARWAL

: 39 Years / Female Age / Gender

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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                  | 157.6          | Desirable: <200 mg/dl<br>Borderline High: 200-239mg/dl<br>High: >/=240 mg/dl   | Enzymatic     |
| TRIGLYCERIDES, Serum                | 52.2           | Normal: <150 mg/dl<br>Borderline-high: 150 - 199<br>mg/dl<br>High: 200 - 499 mg/dl<br>Very high:>/=500 mg/dl                                     | Enzymatic     |
| HDL CHOLESTEROL, Serum              | 44.8           | Desirable: >60 mg/dl<br>Borderline: 40 - 60 mg/dl<br>Low (High risk): <40 mg/dl  | Enzymatic     |
| NON HDL CHOLESTEROL,<br>Serum       | 112.8          | Desirable: <130 mg/dl<br>Borderline-high:130 - 159 mg/dl<br>High:160 - 189 mg/dl<br>Very high: >/=190 mg/dl                                      | Calculated    |
| LDL CHOLESTEROL, Serum              | 103.0          | Optimal: <100 mg/dl<br>Near Optimal: 100 - 129 mg/dl<br>Borderline High: 130 - 159<br>mg/dl<br>High: 160 - 189 mg/dl<br>Very High: >/= 190 mg/dl | Calculated    |
| VLDL CHOLESTEROL, Serum             | 9.8            | < /= 30 mg/dl  | Calculated    |
| CHOL / HDL CHOL RATIO,<br>Serum     | 3.5            | 0-4.5 Ratio  | Calculated    |
| LDL CHOL / HDL CHOL RATIO,<br>Serum | 2.3            | 0-3.5 Ratio  | Calculated    |

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# AERFOCAMI HEALTHCARE BELOW 40 MALE/FEMALE THYROID FUNCTION TESTS

| <u>PARAMETER</u>    | <u>RESULTS</u> | <b>BIOLOGICAL REF RANGE</b>   | <u>METHOD</u> |
|---------------------|----------------|---|---------------|
| Free T3, Serum      | 5.1            | 3.5-6.5 pmol/L  | ECLIA         |
| Free T4, Serum      | 17.2           | 11.5-22.7 pmol/L<br>First Trimester:9.0-24.7<br>Second Trimester:6.4-20.59<br>Third Trimester:6.4-20.59 | ECLIA         |
| sensitiveTSH, Serum | 0.735          | 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         |



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#### 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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Preventive Health Check-up | Pathology | Digital X-Ray | Sonography | Colour Doppler | Mammography | BMD (DXA Scan) | OPG | ECG | 2D Echo Stress Test/TMT | Spirometry | Eye Examination | Dental Examination | Diet Consultation | Audiometry | OT Sterility | Water Sterility | Clinical Research

CID : **2135132540** SID : 177804568925

Name : MRS.REENA AGARWAL Registered : 17-Dec-2021 / 10:35
Age / Gender : 39 Years/Female Collected : 17-Dec-2021 / 10:35

# PHYSICAL EXAMINATION REPORT

# **History and Complaints:**

Asymptomatic

#### **EXAMINATION FINDINGS:**

Height (cms):160cmsWeight (kg):69.9kgTemp (0c):AfebrileSkin:NormalBlood Pressure (mm/hg):130/90 mm of hgNails:Normal

Pulse: 76/min Lymph Node: Not palpable

## **Systems**

Cardiovascular: S1S2 audible

**Respiratory:** AEBE **Genitourinary:** NAD

GI System: Liver & Spleen not palpable

CNS: NAD

# **IMPRESSION:**

### ADVICE:

#### **CHIEF COMPLAINTS:**

| 1)  | Hypertension:                        | NO |
|-----|--------------------------------------|----|
| 2)  | IHD                                  | NO |
| 3)  | Arrhythmia                           | NO |
| 4)  | Diabetes Mellitus                    | NO |
| 5)  | Tuberculosis                         | NO |
| 6)  | Asthama                              | NO |
| 7)  | Pulmonary Disease                    | NO |
| 8)  | Thyroid/ Endocrine disorders         | NO |
| 9)  | Nervous disorders                    | NO |
| 10) | GI system                            | NO |
| 11) | Genital urinary disorder             | NO |
| 12) | Rheumatic joint diseases or symptoms | NO |
| 13) | Blood disease or disorder            | NO |
| 14) | Cancer/lump growth/cyst              | NO |



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Preventive Health Check-up | Pathology | Digital X-Ray | Sonography | Colour Doppler | Mammography | BMD (DXA Scan) | OPG | ECG | 2D Echo Stress Test/TMT | Spirometry | Eye Examination | Dental Examination | Diet Consultation | Audiometry | OT Sterility | Water Sterility | Clinical Research

Collected

CID : **2135132540** SID : 177804568925

Name : MRS.REENA AGARWAL Registered : 17-Dec-2021 / 10:35

Age / Gender : 39 Years/Female

15) Congenital disease NO16) Surgeries NO

17) Musculoskeletal System NO

# **PERSONAL HISTORY:**

Alcohol
 Smoking
 Diet
 Medication
 NO
 Veg

\*\*\* End Of Report \*\*\*

Dr.NITIN SONAVANE PHYSICIAN