



CID : 2423723777
Name : MR. BHARAT BHARAKHADA
Age / Gender : 46 Years / Male
Consulting Dr. : -
Reg. Location : Borivali West (Main Centre)

Collected : 24-Aug-2024 / 08:49
Reported : 24-Aug-2024 / 12:22

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VITAMIN B12

<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
VITAMIN B12, Serum	318.0	187-883 pg/ml	ECLIA

Intended Use:

- Vitamin B12 is also referred to as cyanocobalamin/cobalmin.
- It is essential in DNA synthesis, haematopoiesis & CNS integrity.
- It cannot be synthesized in the human body & is seldom found in products of plant origin.
- The absorption of Vit B12 depends on the presence of Intrinsic factor (IF) & may be due to lack of IF secretion by the gastric mucosa (e.g. gastrectomy, gastric atrophy) or intestinal malabsorption (e.g. ileal resection, small intestinal diseases).
- Dietary Sources of vitamin B12 are meat, fish, eggs & dairy products.

Clinical Significance:

- Vitamin B12 or folate are both of diagnostic importance for the recognition of vitamin B12 or folate deficiency, especially in the context of the differential diagnosis of megaloblastic anemia.
- Untreated deficiencies will lead to megaloblastic anemia, irreversible central nervous system degeneration, peripheral neuropathies, dementia, poor cognitive performance & depression.

Interpretation:

Increased In- Vit B12 supplements, chronic granulocytic leukemia, COPD, Chronic renal failure, diabetes, leucocytosis, hepatitis, cirrhosis, obesity, polycythemia vera, protein malnutrition, severe CHF, uremia, Vit A intake, estrogens, drugs such as chloral hydrate.
Decreased In- Inflammatory bowel disease, pernicious anaemia, strict vegetarians, malabsorption due to gastrectomy, smoking, pregnancy, multiple myeloma & haemodialysis. Alcohol & drugs like aminosalicic acid, anticonvulsants, cholestyramine, cimetidine, colchicine, metformin, neomycin, oral contraceptives, ranitidine & triamterine also cause a decrease in Vit B12 levels.

Reflex Tests: Active B12 (holotranscobalamin), Folate, Homocysteine, Methylmalonic acid (MMA) and Intrinsic factor antibody & parietal cell antibody.

Limitations: Preservatives, such as fluoride and ascorbic acid may cause interference

Reference: Vitamin B12 Pack insert

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

*** End Of Report ***



Bmhasakar

Dr. KETAKI MHASKAR
M.D. (PATH)
Pathologist



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VITAMIN D TOTAL (25-OH VITAMIN D)

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
25-hydroxy Vitamin D, Serum	96.1	Deficiency: < 10 ng/ml Insufficiency: 10 - 30 ng/ml Sufficiency: 30 - 100 ng/ml Toxicity: > 100 ng/ml	ECLIA

Intended Use:

- Diagnosis of vitamin D deficiency
- Differential diagnosis of causes of rickets and osteomalacia
- Monitoring vitamin D replacement therapy
- Diagnosis of hypervitaminosis D

Clinical Significance: Vitamin D is a steroid hormone known for its important role in regulating body levels of calcium and phosphorus and in the mineralization of bone. Measured 25-OH vitamin D includes D3 (Cholecalciferol) and D2 (Ergocalciferol) where D2 is absorbed from food and D3 is produced by the skin on exposure to sunlight. The major storage form of vitamin D is 25-OH vitamin D and is present in the blood at up to 1,000 fold higher concentration compared to the active 1,25-OH vitamin D; and has a longer half life making it an analyte of choice for determination of the vitamin D status.

Interpretation:

Increased In- D intoxication & Excessive exposure to sunlight
Decreased In: Lack of sunlight, Steatorrhea, Biliary and Portal cirrhosis, Pancreatic insufficiency, Inflammatory bowel disease, Alzheimer's disease, Malabsorption, Thyrotoxicosis, Dietary osteomalacia, Anticonvulsant osteomalacia, Celiac disease and Rickets

Reflex Tests: Serum Calcium, PTH and BMD

Limitation:

- For diagnostic purposes, results should be used in conjunction with other data; e.g. symptoms, results of other tests, clinical impressions, etc.
- Heterophilic antibodies in human serum can react with reagent immunoglobulins, interfering with in vitro immunoassays. Patients routinely exposed to animals or to animal serum products can be prone to this interference and anomalous values may be observed.
- Patients routinely exposed to animals or to animal serum products can be prone to this interference and anomalous values may be observed.
- Various methods for measuring vitamin D are available but correlate with significant differences.

Reference:

- Wallach's interpretation of diagnostic tests
- Vitamin D kit insert

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



Bmhasakar

Dr. KETAKI MHASKAR
M.D. (PATH)
Pathologist



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MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO

CBC (Complete Blood Count), Blood

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
<u>RBC PARAMETERS</u>			
Haemoglobin	15.2	13.0-17.0 g/dL	Spectrophotometric
RBC	5.47	4.5-5.5 mil/cmm	Elect. Impedance
PCV	44.2	40-50 %	Measured
MCV	81	80-100 fl	Calculated
MCH	27.9	27-32 pg	Calculated
MCHC	34.1	31.5-34.5 g/dL	Calculated
RDW	13.3	11.6-14.0 %	Calculated
<u>WBC PARAMETERS</u>			
WBC Total Count	4800	4000-10000 /cmm	Elect. Impedance
<u>WBC DIFFERENTIAL AND ABSOLUTE COUNTS</u>			
Lymphocytes	41.3	20-40 %	
Absolute Lymphocytes	1982.4	1000-3000 /cmm	Calculated
Monocytes	6.2	2-10 %	
Absolute Monocytes	297.6	200-1000 /cmm	Calculated
Neutrophils	50.0	40-80 %	
Absolute Neutrophils	2400.0	2000-7000 /cmm	Calculated
Eosinophils	2.0	1-6 %	
Absolute Eosinophils	96.0	20-500 /cmm	Calculated
Basophils	0.5	0.1-2 %	
Absolute Basophils	24.0	20-100 /cmm	Calculated
Immature Leukocytes	-		
WBC Differential Count by Absorbance & Impedance method/Microscopy.			
<u>PLATELET PARAMETERS</u>			
Platelet Count	282000	150000-400000 /cmm	Elect. Impedance
MPV	8.8	6-11 fl	Calculated
PDW	13.5	11-18 %	Calculated
<u>RBC MORPHOLOGY</u>			
Hypochromia	-		
Microcytosis	-		



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Macrocytosis	-
Anisocytosis	-
Poikilocytosis	-
Polychromasia	-
Target Cells	-
Basophilic Stippling	-
Normoblasts	-
Others	Normocytic, Normochromic
WBC MORPHOLOGY	-
PLATELET MORPHOLOGY	-
COMMENT	-

Result rechecked
 Kindly correlate clinically.

Specimen: EDTA Whole Blood

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



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Clinical Significance: The erythrocyte sedimentation rate (ESR), also called a sedimentation rate is the rate red blood cells sediment in a period of time.

Interpretation:

Factors that increase ESR: Old age, Pregnancy, Anemia

Factors that decrease ESR: Extreme leukocytosis, Polycythemia, Red cell abnormalities- Sickle cell disease

Limitations:

- It is a non-specific measure of inflammation.
- The use of the ESR as a screening test in asymptomatic persons is limited by its low sensitivity and specificity.

Reflex Test: C-Reactive Protein (CRP) is the recommended test in acute inflammatory conditions.

Reference:

- Pack Insert
- Brigden ML. Clinical utility of the erythrocyte sedimentation rate. American family physician. 1999 Oct 1;60(5):1443-50.

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

*** End Of Report ***



Bmhasakar

Dr.KETAKI MHASKAR
M.D. (PATH)
Pathologist



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Collected : 24-Aug-2024 / 11:49
Reported : 24-Aug-2024 / 16:58

MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO

<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
GLUCOSE (SUGAR) FASTING, Fluoride Plasma Fasting	96.5	Non-Diabetic: < 100 mg/dl Impaired Fasting Glucose: 100-125 mg/dl Diabetic: >/= 126 mg/dl	Hexokinase
GLUCOSE (SUGAR) PP, Fluoride Plasma PP	95.0	Non-Diabetic: < 140 mg/dl Impaired Glucose Tolerance: 140-199 mg/dl Diabetic: >/= 200 mg/dl	Hexokinase

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*** End Of Report ***



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Dr.KETAKI MHASKAR
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Reported : 24-Aug-2024 / 12:40

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MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO
KIDNEY FUNCTION TESTS

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
BLOOD UREA, Serum	18.9	12.8-42.8 mg/dl	Kinetic
BUN, Serum	8.8	6-20 mg/dl	Calculated
CREATININE, Serum	1.09	0.67-1.17 mg/dl	Enzymatic
eGFR, Serum	85	(ml/min/1.73sqm) Normal or High: Above 90 Mild decrease: 60-89 Mild to moderate decrease: 45-59 Moderate to severe decrease: 30-44 Severe decrease: 15-29 Kidney failure: <15	Calculated

Note: eGFR estimation is calculated using 2021 CKD-EPI GFR equation

TOTAL PROTEINS, Serum	7.1	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	4.3	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	2.8	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.5	1 - 2	Calculated
URIC ACID, Serum	6.5	3.5-7.2 mg/dl	Enzymatic
PHOSPHORUS, Serum	4.2	2.7-4.5 mg/dl	Molybdate UV
CALCIUM, Serum	9.3	8.6-10.0 mg/dl	N-BAPTA
SODIUM, Serum	139	135-148 mmol/l	ISE
POTASSIUM, Serum	5.3	3.5-5.3 mmol/l	ISE
CHLORIDE, Serum	102	98-107 mmol/l	ISE

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



Bmhasakar

Dr.KETAKI MHASKAR
M.D. (PATH)
Pathologist



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MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO
GLYCOSYLATED HEMOGLOBIN (HbA1c)

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
Glycosylated Hemoglobin (HbA1c), EDTA WB - CC	5.8	Non-Diabetic Level: < 5.7 % Prediabetic Level: 5.7-6.4 % Diabetic Level: >/= 6.5 %	HPLC
Estimated Average Glucose (eAG), EDTA WB - CC	119.8	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 Borivali Lab, Borivali West

*** End Of Report ***



Bmhasakar

Dr.KETAKI MHASKAR
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Pathologist



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Collected : 24-Aug-2024 / 08:49
Reported : 24-Aug-2024 / 14:12

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MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO
PROSTATE SPECIFIC ANTIGEN (PSA)

<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
TOTAL PSA, Serum	1.677	<4.0 ng/ml	CLIA

Clinical Significance:

- PSA is detected in the serum of males with normal, benign hyper-plastic, and malignant prostate tissue.
- Monitoring patients with a history of prostate cancer as an early indicator of recurrence and response to treatment.
- Prostate cancer screening 4. The percentage of Free PSA (FPSA) in serum is described as being significantly higher in patients with BPH than in patients with prostate cancer. 5. Calculation of % free PSA (ie. FPSA/TPSA x 100), has been suggested as way of improving the differentiation of BPH and Prostate cancer.

Interpretation:

Increased In- Prostate diseases, Cancer, Prostatitis, Benign prostatic hyperplasia, Prostatic ischemia, Acute urinary retention, Manipulations like Prostatic massage, Cystoscopy, Needle biopsy, Transurethral resection, Digital rectal examination, Radiation therapy, Indwelling catheter, Vigorous bicycle exercise, Drugs (e.g., testosterone), Physiologic fluctuations. Also found in small amounts in other cancers (sweat and salivary glands, breast, colon, lung, ovary) and in Skene glands of female urethra and in term placenta, Acute renal failure, Acute myocardial infarction,

Decreased In- Ejaculation within 24-48 hours, Castration, Antiandrogen drugs (e.g., finasteride), Radiation therapy, Prostatectomy, PSA falls 17% in 3 days after lying in hospital, Artfactual (e.g., improper specimen collection; very high PSA levels). Finasteride (5- α -reductase inhibitor) reduces PSA by 50% after 6 months in men without cancer.

Reflex Tests: % FREE PSA , USG Prostate

Limitations:

- tPSA values determined on patient samples by different testing procedures cannot be directly compared with one another and could be the cause of erroneous medical interpretations. If there is a change in the tPSA assay procedure used while monitoring therapy, then the tPSA values obtained upon changing over to the new procedure must be confirmed by parallel measurements with both methods. Immediate PSA testing following digital rectal examination, ejaculation, prostatic massage, indwelling catheterization, ultrasonography and needle biopsy of prostate is not recommended as they falsely elevate levels.
- Patients who have been regularly exposed to animals or have received immunotherapy or diagnostic procedures utilizing immunoglobulins or immunoglobulin fragments may produce antibodies, e.g. HAMA, that interferes with immunoassays.
- PSA results should be interpreted in light of the total clinical presentation of the patient, including: symptoms, clinical history, data from additional tests, and other appropriate information.
- Serum PSA concentrations should not be interpreted as absolute evidence for the presence or absence of prostate cancer.

Note : The concentration of PSA in a given specimen, determined with assay from different manufacturers, may not be comparable due to differences in assay methods and reagent specificity.

Reference:

- Wallach's Interpretation of diagnostic tests
- Total PSA Pack insert



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*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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Reg. Location : Borivali West (Main Centre)

Collected : 24-Aug-2024 / 10:36
Reported : 24-Aug-2024 / 13:52

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MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO
EXAMINATION OF FAECES

<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
<u>PHYSICAL EXAMINATION</u>			
Colour	Brown	Brown	-
Form and Consistency	Semi Solid	Semi Solid	-
Mucus	Absent	Absent	-
Blood	Absent	Absent	-
<u>CHEMICAL EXAMINATION</u>			
Reaction (pH)	Acidic (5.5)	-	pH Indicator
Occult Blood	Absent	Absent	Guaiaac
<u>MICROSCOPIC EXAMINATION</u>			
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	Benedicts

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



Bmhasakar

Dr.KETAKI MHASKAR
M.D. (PATH)
Pathologist



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MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO
URINE EXAMINATION REPORT

<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
<u>PHYSICAL EXAMINATION</u>			
Color	Yellow	Pale Yellow	Light scattering
Transparency	Slight hazy	Clear	Light scattering
<u>CHEMICAL EXAMINATION</u>			
Specific Gravity	1.024	1.002-1.035	Refractive index
Reaction (pH)	5	5-8	pH Indicator
Proteins	Absent	Absent	Protein error principle
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	Negative	Negative	Griess Test
<u>MICROSCOPIC EXAMINATION</u>			
(WBC)Pus cells / hpf	0.6	0-5/hpf	
Red Blood Cells / hpf	0.0	0-2/hpf	
Epithelial Cells / hpf	0.0	0-5/hpf	
Hyaline Casts	0.0	0-1/ hpf	
Pathological cast	0.0	0-0.3/hpf	
Crystals	9.6	0-1.4/hpf	
Calcium oxalate monohydrate crystals	0.0	0-1.4/hpf	
Calcium oxalate dihydrate crystals	9.6	0-1.4/hpf	
Triple phosphate crystals	0.0	0-1.4/hpf	
Uric acid crystals	0.0	0-1.4/hpf	
Amorphous debris	0.0	0-29.5/hpf	
Bacteria / hpf	80.1	0-29.5/hpf	
Yeast	0.0	0-0.7/hpf	



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Others -

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

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



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Reported : 24-Aug-2024 / 15:37

**MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO
BLOOD GROUPING & Rh TYPING**

PARAMETER	RESULTS
ABO GROUP	O
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.

References:

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
*** End Of Report ***



Dr. Vrushi Shroff

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



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MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO
LIPID PROFILE

PARAMETER	RESULTS	BIOLOGICAL REF RANGE	METHOD
CHOLESTEROL, Serum	200.0	Desirable: <200 mg/dl Borderline High: 200-239mg/dl High: >/=240 mg/dl	CHOD-POD
TRIGLYCERIDES, Serum	56.9	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	50.5	Desirable: >60 mg/dl Borderline: 40 - 60 mg/dl Low (High risk): <40 mg/dl	Homogeneous enzymatic colorimetric assay
NON HDL CHOLESTEROL, Serum	149.5	Desirable: <130 mg/dl Borderline-high:130 - 159 mg/dl High:160 - 189 mg/dl Very high: >/=190 mg/dl	Calculated
LDL CHOLESTEROL, Serum	139.0	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	10.5	< /= 30 mg/dl	Calculated
CHOL / HDL CHOL RATIO, Serum	4.0	0-4.5 Ratio	Calculated
LDL CHOL / HDL CHOL RATIO, Serum	2.8	0-3.5 Ratio	Calculated

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*** End Of Report ***



Bmhasakar

Dr.KETAKI MHASKAR
M.D. (PATH)
Pathologist



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MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO
THYROID FUNCTION TESTS

<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
Free T3, Serum	5.5	3.5-6.5 pmol/L	ECLIA
Free T4, Serum	16.5	11.5-22.7 pmol/L	ECLIA
sensitiveTSH, Serum	2	0.35-5.5 microIU/ml microU/ml	ECLIA



CID : 2423723752
Name : MR. BHARAT BHARAKHADA
Age / Gender : 46 Years / Male
Consulting Dr. : -
Reg. Location : Borivali West (Main Centre)

Collected : 24-Aug-2024 / 08:49
Reported : 24-Aug-2024 / 13:32

Use a QR Code Scanner
Application To Scan the Code

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 upto 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 transiently altered because 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 at least 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 Borivali Lab, Borivali West

*** End Of Report ***



Bmhasakar

Dr. KETAKI MHASKAR
M.D. (PATH)
Pathologist



CID : 2423723752
Name : MR.BHARAT BHARAKHADA
Age / Gender : 46 Years / Male
Consulting Dr. : -
Reg. Location : Borivali West (Main Centre)

Collected : 24-Aug-2024 / 08:49
Reported : 24-Aug-2024 / 12:18

Use a QR Code Scanner
Application To Scan the Code

MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO
LIVER FUNCTION TESTS

<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
BILIRUBIN (TOTAL), Serum	0.56	0.1-1.2 mg/dl	Colorimetric
BILIRUBIN (DIRECT), Serum	0.21	0-0.3 mg/dl	Diazo
BILIRUBIN (INDIRECT), Serum	0.35	0.1-1.0 mg/dl	Calculated
TOTAL PROTEINS, Serum	7.1	6.4-8.3 g/dL	Biuret
ALBUMIN, Serum	4.3	3.5-5.2 g/dL	BCG
GLOBULIN, Serum	2.8	2.3-3.5 g/dL	Calculated
A/G RATIO, Serum	1.5	1 - 2	Calculated
SGOT (AST), Serum	20.1	5-40 U/L	NADH (w/o P-5-P)
SGPT (ALT), Serum	26.7	5-45 U/L	NADH (w/o P-5-P)
GAMMA GT, Serum	32.2	3-60 U/L	Enzymatic
ALKALINE PHOSPHATASE, Serum	76.2	40-130 U/L	Colorimetric

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



Bmhasakar

Dr.KETAKI MHASKAR
M.D. (PATH)
Pathologist



Use a QR Code Scanner
Application To Scan the Code

CID : 2423723752
Name : MR.BHARAT BHARAKHADA
Age / Gender : 46 Years / Male
Consulting Dr. : -
Reg. Location : Borivali West (Main Centre)

Collected : 24-Aug-2024 / 11:49
Reported : 24-Aug-2024 / 19:01

MEDIWHEEL FULL BODY HEALTH CHECKUP MALE ABOVE 40/2D ECHO

<u>PARAMETER</u>	<u>RESULTS</u>	<u>BIOLOGICAL REF RANGE</u>	<u>METHOD</u>
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 CPL, Andheri West
*** End Of Report ***



J. Thakker

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

आयकर विभाग
 INCOME TAX DEPARTMENT
 BHARATI MAGANLAL BHARAKHADA
 MAGANLAL TAPUBHAI BHARAKHADA
 181041976
 Permanent Account Number
 AFFPB5159K
 भारत सरकार
 GOVT. OF INDIA
 23122009
 Signature

Given to Sub Division Office
 24/8/24

Sharda

Suburban Diagnostics (I) Pvt. Ltd.
 3018, 302, 3rd Floor, Vmi Elegance
 Above Tansaq Junction, T. Road,
 Borivall (West), Mumbai - 400 092

MR BHARAT BHARAKHADA

History and Complaints:

No Complaints.

EXAMINATION FINDINGS:

Height (cms):	168	Weight (kg):	65
Temp (0c):	Afebrile	Skin:	NAD
Blood Pressure (mm/hg):	100/70	Nails:	NAD
Pulse:	84/min	Lymph Node:	Not Palpable

Systems

Cardiovascular:	S1S2(N) No Murmurs
Respiratory:	AEBE Clear
Genitourinary:	Normal
GI System:	Normal
CNS:	Normal

IMPRESSION:

Normal

ADVICE:

←

CHIEF COMPLAINTS:

1)	Hypertension:	
2)	IHD	NO
3)	Arrhythmia	NO
4)	Diabetes Mellitus	NO
5)	Tuberculosis	NO

6)	Asthama	
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
15)	Congenital disease	NO
16)	Surgeries	NO
17)	Musculoskeletal System	NO

PERSONAL HISTORY:

1)	Alcohol	No
2)	Smoking	No
3)	Diet	VEG
4)	Medication	NO

DR. NITIN SONAVANE
 M.B.B.S.AFLH, D.DIAB, D.CARD.
 CONSULTANT-CARDIOLOGIST
 REGD. NO: 8714

Dr NITIN SONAVANE

Suburban Diagnostics (I) Pvt. Ltd.
 301& 302, 3rd Floor, Vini Elegance
 Above Tanisq Jeweller, L. T. Road,
 Bprivali (West), Mumbai - 400 092 -

CID NO: 2423723752	
PATIENT'S NAME: MR.BHARAT BHARAKHADA	AGE/SEX: 46 Y/M
REF BY: -----	DATE: 24/08/2024

2-D ECHOCARDIOGRAPHY

1. RA, LA RV is Normal Size.
2. No LV Hypertrophy.
3. Normal LV systolic function. LVEF 60 % by bi-plane
4. No RWMA at rest.
5. Aortic, Pulmonary, Tricuspid valves normal, Trivial MR.
6. Great arteries: Aorta: Normal
 - a. No mitral valve prolaps.
7. Inter-ventricular septum is intact and normal.
8. Intra Atrial Septum intact.
9. Pulmonary vein, IVC, hepatic are normal.
- 10.No LV clot.
- 11.No Pericardial Effusion
- 12.No Diastolic dysfunction. No Doppler evidence of raised LVEDP.

PATIENT'S NAME: MR. BHARAT BHARAKHADA	AGE/SEX: 46 Y/M
REF BY: -----	DATE: 24/08/2024

1. AO root diameter	2.9 cm
2. IVSd	0.9 cm
3. LVIDd	4.2 cm
4. LVIDs	2.0 cm
5. LVPWd	0.9 cm
6. LA dimension	3.5 cm
7. RA dimension	3.5 cm
8. RV dimension	3.0 cm
9. Pulmonary flow vel:	0.9 m/s
10. Pulmonary Gradient	3.4 m/s
11. Tricuspid flow vel	1.2 m/s
12. Tricuspid Gradient	6 m/s
13. PASP by TR Jet	26 mm Hg
14. TAPSE	2.6 cm
15. Aortic flow vel	1.0 m/s
16. Aortic Gradient	4 m/s
17. MV:E	0.7 m/s
18. A vel	0.6 m/s
19. IVC	16 mm
20. E/E'	8


Impression:

Normal 2d echo study.

Disclaimer

Echo may have inter/Intra observer variations in measurements as the study is observer dependent and changes with Pt's hemodynamics. Please co-relate findings with patients clinical status.

End of Report


DR. S. NITIN
Consultant Cardiologist
Reg. No. 87714

Age **46** NA NA
years months days

Gender **Male**

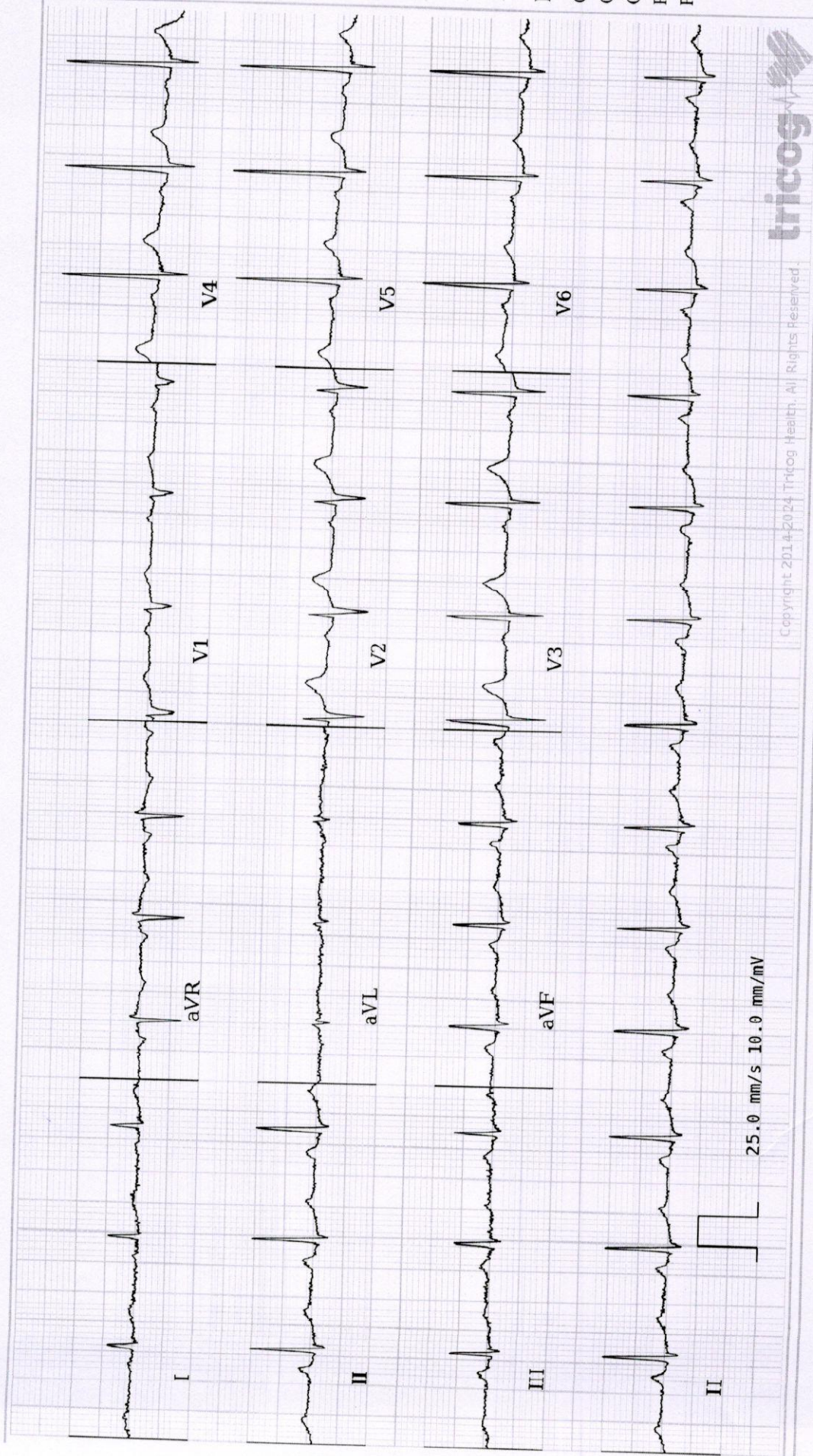
Heart Rate **84bpm**

Patient Vitals

BP: 100/70 mmHg
Weight: 65 kg
Height: 168 cm
Pulse: NA
Spo2: NA
Resp: NA
Others:

Measurements

QRSD: 68ms
QT: 366ms
QTcB: 432ms
PR: 162ms
P-R-T: 82° 71° 80°



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

REPORTED BY

[Signature]

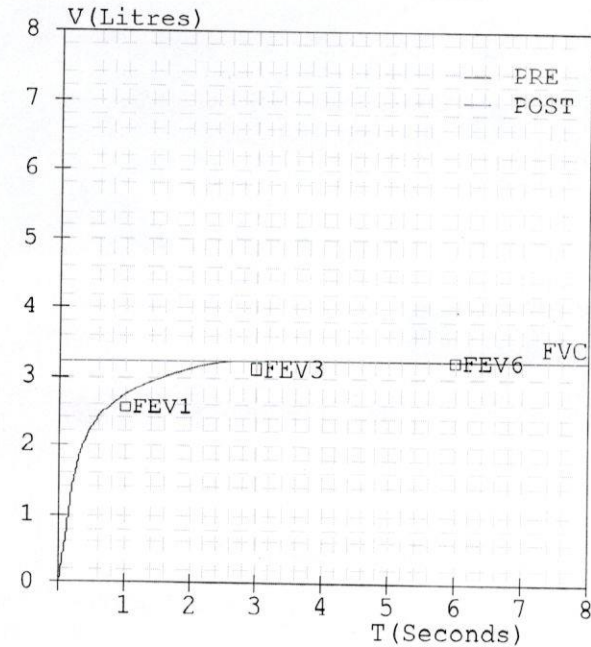
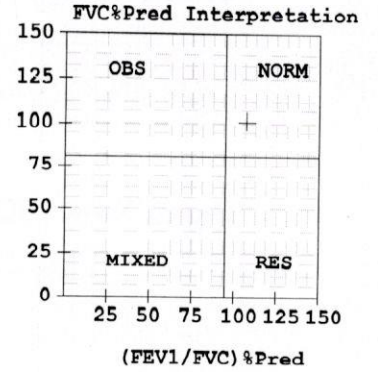
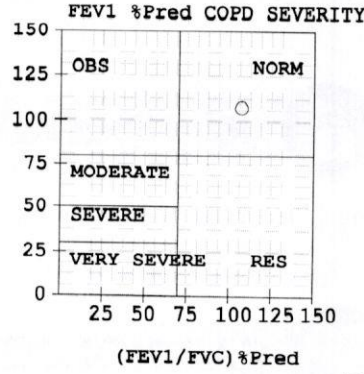
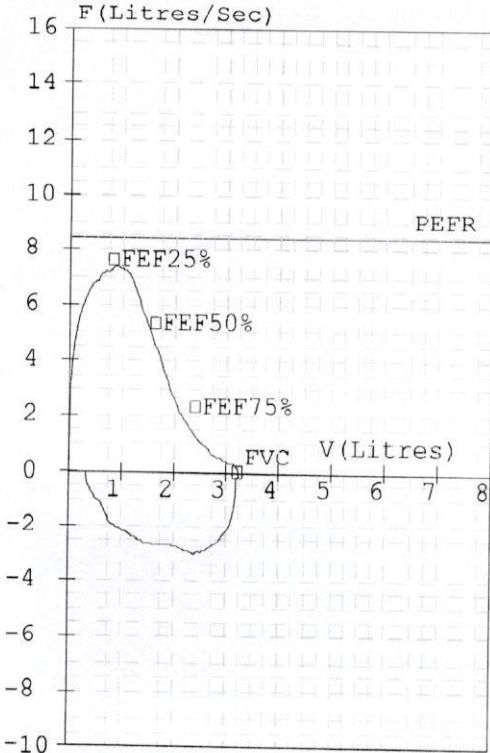
Dr.Nitin Sonavare
M.B.B.S.AFLH, D.DIAB, D.CARD
Consultant Cardiologist
87714

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.

Patient: BHARAT BHARAKHADA
Refd. By:
Pred. Eqns: RECORDERS
Date : 24-Aug-2024 12:04 PM

Age : 49 Yrs
Height : 168 Cms
Weight : 65 Kgs
ID : 2423723777

Gender : Male
Smoker : No
Eth. Corr: 100
Temp :



		FVC Results					
Parameter		Pred	M. Pre	%Pred	M. Post	%Pred	%Imp
FVC	(L)	03.22	03.24	101	-----	---	---
FEV1	(L)	02.56	02.76	108	-----	---	---
FEV1/FVC	(%)	79.50	85.19	107	-----	---	---
FEF25-75	(L/s)	03.50	03.26	093	-----	---	---
PEFR	(L/s)	08.39	07.36	088	-----	---	---
FIVC	(L)	-----	02.92	---	-----	---	---
FEV.5	(L)	-----	02.28	---	-----	---	---
FEV3	(L)	03.13	03.24	104	-----	---	---
PIFR	(L/s)	-----	03.01	---	-----	---	---
FEF75-85	(L/s)	-----	00.84	---	-----	---	---
FEF.2-1.2	(L/s)	06.18	06.80	110	-----	---	---
FEF 25%	(L/s)	07.63	07.26	095	-----	---	---
FEF 50%	(L/s)	05.30	04.48	085	-----	---	---
FEF 75%	(L/s)	02.32	01.22	053	-----	---	---
FEV.5/FVC	(%)	-----	70.37	---	-----	---	---
FEV3/FVC	(%)	97.20	100.00	103	-----	---	---
FET	(Sec)	-----	02.71	---	-----	---	---
ExplTime	(Sec)	-----	00.10	---	-----	---	---
Lung Age	(Yrs)	049	045	092	-----	---	---
FEV6	(L)	03.22	-----	---	-----	---	---
FIF25%	(L/s)	-----	02.53	---	-----	---	---
FIF50%	(L/s)	-----	02.80	---	-----	---	---
FEF75%st (Obs) Severity		02.50	---	---	-----	---	---

Test within normal limits

Dr. Akhil P. Parulekar
MBBS, MD, Medicine
DNB Cardiology
Reg. No. 2012082483

Pre Medication Report Indicates

Spirometry within normal limits as (FEV1/FVC)%Pred >95 and FVC%Pred >80