

Patient Name : Mr. PRAMOD KUMAR

Age/Gender : 59 Y/M

UHID/MR No. : CVIM.0000237060

OP Visit No : CVIMOPV593652

Sample Collected on :

Reported on : 01-03-2024 12:12

LRN# : RAD2252843

Specimen :

Ref Doctor : SELF

Emp/Auth/TPA ID : UBOIE3935

DEPARTMENT OF RADIOLOGY

X-RAY CHEST PA

X-RAY CHEST PA

Trachea appears normal.

Both the lung fields are clear.

Cardiac shadows appear apparently normal.

Both domes of diaphragm appear normal.

Both costophrenic angles are clear.

Bony thoracic cage shows no deformity. Visualised bones appear normal.

Soft tissues appear normal.

Impression: Essentially Normal Study.



Dr. PREETI P KATHE
DMRE, MD, DNB
Radiology

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UHID/MR No. : CVIM.0000237060

OP Visit No : CVIMOPV593652

Sample Collected on :

Reported on : 01-03-2024 12:22

LRN# : RAD2252843

Specimen :

Ref Doctor : SELF

Emp/Auth/TPA ID : UBOIE3935

DEPARTMENT OF RADIOLOGY

ULTRASOUND - WHOLE ABDOMEN

Liver appears normal in size and bright in echotexture. No focal lesion is seen. PV and CBD normal. No dilatation of the intrahepatic biliary radicals.

Gall bladder is well distended. No evidence of calculus. Wall thickness appears normal. No evidence of periGB collection. No evidence of focal lesion is seen.

Spleen appears normal. No focal lesion seen. Splenic vein appears normal.

Pancreas appears normal in echopattern. No focal/mass lesion/calcification. No evidence of peripancreatic free fluid or collection. Pancreatic duct appears normal.

Both the kidneys appear normal in size, shape and echopattern. Cortical thickness and CM differentiation are maintained. No calculus / hydronephrosis seen on either side.

Urinary Bladder is well distended and appears normal. No evidence of any wall thickening or abnormality. No evidence of any intrinsic or extrinsic bladder abnormality detected. Pre-void- 230 cc. Post-void- 38 cc.

Prostate is enlarged (volume - 25 cc) in size and echo texture.No evidence of necrosis seen. Central zone shows focal 8.4 x 4.0 mm calcification.

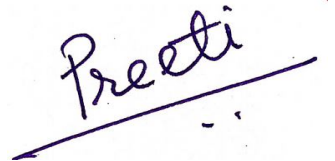
Bowel loops and Retroperitoneum appear normal. Aorta and IVC appear normal. No abnormal lymphadenopathy noted.

IMPRESSION:-

Grade II fatty liver.

Benign prostatic hypertrophy noted. with central zone calcification.

(The sonography findings should always be considered in correlation with the clinical and other investigation finding where applicable.) It is only a professional opinion, Not valid for medico legal purpose.



Dr. PREETI P KATHE
DMRE, MD, DNB
Radiology

Certificate No: MC-5697

Patient Name : Mr.PRAMOD KUMAR	Collected : 01/Mar/2024 10:17AM
Age/Gender : 59 Y 1 M 4 D/M	Received : 01/Mar/2024 01:38PM
UHID/MR No : CVIM.0000237060	Reported : 01/Mar/2024 02:36PM
Visit ID : CVIMOPV593652	Status : Final Report
Ref Doctor : Dr.SELF	Sponsor Name : ARCOFEMI HEALTHCARE LIMITED
Emp/Auth/TPA ID : UBOIE3935	

DEPARTMENT OF HAEMATOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY PLUS ANNUAL CHECK ADVANCED HC MALE - 2D ECHO - PAN INDIA - FY2324

PERIPHERAL SMEAR , WHOLE BLOOD EDTA

**RBC's are Normocytic Normochromic
WBC's are normal in number and morphology
Platelets are Adequate
No hemoparasite seen.**



DR.Sanjay Ingle
M.B.B.S,M.D(Pathology)
Consultant Pathologist

SIN No:BED240054223

This test has been performed at Apollo Health and Lifestyle Ltd- Sadashiv Peth Pune, Diagnostics Lab

Apollo Health and Lifestyle Limited (CIN - U85110TG2000PLC115819)

Regd. Office: 1-10-60/62, Ashoka Raghupathi Chambers, 5th Floor, Begumpet, Hyderabad, Telangana - 500 016 |
www.apollohl.com | Email ID: enquiry@apollohl.com, Ph No: 040-4904 7777, Fax No: 4904 7744

APOLLO CLINICS NETWORK

Telangana: Hyderabad (AS Rao Nagar | Chanda Nagar | Kondapur | Nallakunta | Nizampet | Manikonda | Uppal) | Andhra Pradesh: Vizag (Seethamma Peta) | Karnataka: Bangalore (Basavanagudi | Bellandur | Electronics City | Fraser Town | HSR Layout | Indira Nagar | JP Nagar | Kundalahalli | Koramangala | Sarjapur Road) | Mysore (VV Mohalla) | Tamilnadu: Chennai (Annanagar | Kotturpuram | Mogappair | T Nagar | Valasaravakkam | Velachery) | Maharashtra: Pune (Aundh | Nigdi Pradhikaran | Viman Nagar | Wanowrie) | Uttar Pradesh: Ghaziabad (Indrapuram) | Gujarat: Ahmedabad (Satellite) | Punjab: Amritsar (Court Road) | Haryana: Faridabad (Railway Station Road)

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DEPARTMENT OF HAEMATOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY PLUS ANNUAL CHECK ADVANCED HC MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
HEMOGRAM , WHOLE BLOOD EDTA				
HAEMOGLOBIN	14.1	g/dL	13-17	Spectrophotometer
PCV	40.60	%	40-50	Electronic pulse & Calculation
RBC COUNT	4.4	Million/cu.mm	4.5-5.5	Electrical Impedence
MCV	92.4	fL	83-101	Calculated
MCH	32	pg	27-32	Calculated
MCHC	34.7	g/dL	31.5-34.5	Calculated
R.D.W	12.1	%	11.6-14	Calculated
TOTAL LEUCOCYTE COUNT (TLC)	5,910	cells/cu.mm	4000-10000	Electrical Impedence
DIFFERENTIAL LEUCOCYTIC COUNT (DLC)				
NEUTROPHILS	66.1	%	40-80	Electrical Impedence
LYMPHOCYTES	24.3	%	20-40	Electrical Impedence
EOSINOPHILS	0.8	%	1-6	Electrical Impedence
MONOCYTES	8.4	%	2-10	Electrical Impedence
BASOPHILS	0.4	%	<1-2	Electrical Impedence
ABSOLUTE LEUCOCYTE COUNT				
NEUTROPHILS	3906.51	Cells/cu.mm	2000-7000	Calculated
LYMPHOCYTES	1436.13	Cells/cu.mm	1000-3000	Calculated
EOSINOPHILS	47.28	Cells/cu.mm	20-500	Calculated
MONOCYTES	496.44	Cells/cu.mm	200-1000	Calculated
BASOPHILS	23.64	Cells/cu.mm	0-100	Calculated
Neutrophil lymphocyte ratio (NLR)	2.72		0.78- 3.53	Calculated
PLATELET COUNT	201000	cells/cu.mm	150000-410000	Electrical impedence
ERYTHROCYTE SEDIMENTATION RATE (ESR)	2	mm at the end of 1 hour	0-15	Modified Westergren
PERIPHERAL SMEAR				

RBC's are Normocytic Normochromic
WBC's are normal in number and morphology
Platelets are Adequate



DR. Sanjay Ingle
M.B.B.S, M.D (Pathology)
Consultant Pathologist

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No hemoparasite seen.



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DEPARTMENT OF HAEMATOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY PLUS ANNUAL CHECK ADVANCED HC MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
BLOOD GROUP ABO AND RH FACTOR , WHOLE BLOOD EDTA				
BLOOD GROUP TYPE	O			Microplate Hemagglutination
Rh TYPE	Positive			Microplate Hemagglutination


Dr Sneha Shah
MBBS, MD (Pathology)
Consultant Pathologist

SIN No:BED240054223

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Certificate No: MC-5697

Patient Name : Mr.PRAMOD KUMAR	Collected : 01/Mar/2024 12:39PM
Age/Gender : 59 Y 1 M 4 D/M	Received : 01/Mar/2024 02:44PM
UHID/MR No : CVIM.0000237060	Reported : 01/Mar/2024 03:46PM
Visit ID : CVIMOPV593652	Status : Final Report
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DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY PLUS ANNUAL CHECK ADVANCED HC MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
GLUCOSE, FASTING , NAF PLASMA	93	mg/dL	70-100	HEXOKINASE

Comment:

As per American Diabetes Guidelines, 2023

Fasting Glucose Values in mg/dL	Interpretation
70-100 mg/dL	Normal
100-125 mg/dL	Prediabetes
≥126 mg/dL	Diabetes
<70 mg/dL	Hypoglycemia

Note:

- The diagnosis of Diabetes requires a fasting plasma glucose of $> \text{ or } = 126 \text{ mg/dL}$ and/or a random / 2 hr post glucose value of $> \text{ or } = 200 \text{ mg/dL}$ on at least 2 occasions.
- Very high glucose levels ($>450 \text{ mg/dL}$ in adults) may result in Diabetic Ketoacidosis & is considered critical.

Test Name	Result	Unit	Bio. Ref. Range	Method
GLUCOSE, POST PRANDIAL (PP), 2 HOURS , SODIUM FLUORIDE PLASMA (2 HR)	96	mg/dL	70-140	HEXOKINASE

Comment:

It is recommended that FBS and PPBS should be interpreted with respect to their Biological reference ranges and not with each other.

Conditions which may lead to lower postprandial glucose levels as compared to fasting glucose levels may be due to reactive hypoglycemia, dietary meal content, duration or timing of sampling after food digestion and absorption, medications such as insulin preparations, sulfonylureas, amylin analogues, or conditions such as overproduction of insulin.

Page 5 of 15



DR.Sanjay Ingle
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SIN No:PLP1425742

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UHID/MR No : CVIM.0000237060	Reported : 01/Mar/2024 03:05PM
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DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY PLUS ANNUAL CHECK ADVANCED HC MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
HBA1C (GLYCATED HEMOGLOBIN) , WHOLE BLOOD EDTA				
HBA1C, GLYCATED HEMOGLOBIN	5.6	%		HPLC
ESTIMATED AVERAGE GLUCOSE (eAG)	114	mg/dL		Calculated

Comment:

Reference Range as per American Diabetes Association (ADA) 2023 Guidelines:

REFERENCE GROUP	HBA1C %
NON DIABETIC	<5.7
PREDIABETES	5.7 – 6.4
DIABETES	≥ 6.5
DIABETICS	
EXCELLENT CONTROL	6 – 7
FAIR TO GOOD CONTROL	7 – 8
UNSATISFACTORY CONTROL	8 – 10
POOR CONTROL	>10

Note: Dietary preparation or fasting is not required.

- HbA1C is recommended by American Diabetes Association for Diagnosing Diabetes and monitoring Glycemic Control by American Diabetes Association guidelines 2023.
- Trends in HbA1C values is a better indicator of Glycemic control than a single test.
- Low HbA1C in Non-Diabetic patients are associated with Anemia (Iron Deficiency/Hemolytic), Liver Disorders, Chronic Kidney Disease. Clinical Correlation is advised in interpretation of low Values.
- Falsely low HbA1c (below 4%) may be observed in patients with clinical conditions that shorten erythrocyte life span or decrease mean erythrocyte age. HbA1c may not accurately reflect glycemic control when clinical conditions that affect erythrocyte survival are present.
- In cases of Interference of Hemoglobin variants in HbA1C, alternative methods (Fructosamine) estimation is recommended for Glycemic Control
 - A: HbF >25%
 - B: Homozygous Hemoglobinopathy.
 (Hb Electrophoresis is recommended method for detection of Hemoglobinopathy)



Dr Sneha Shah
MBBS, MD (Pathology)
Consultant Pathologist

SIN No:EDT240024473

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DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY PLUS ANNUAL CHECK ADVANCED HC MALE - 2D ECHO - PAN INDIA - FY2324


Test Name	Result	Unit	Bio. Ref. Range	Method
LIPID PROFILE , SERUM				
TOTAL CHOLESTEROL	212	mg/dL	<200	CHO-POD
TRIGLYCERIDES	207	mg/dL	<150	GPO-POD
HDL CHOLESTEROL	54	mg/dL	40-60	Enzymatic Immunoinhibition
NON-HDL CHOLESTEROL	157	mg/dL	<130	Calculated
LDL CHOLESTEROL	115.87	mg/dL	<100	Calculated
VLDL CHOLESTEROL	41.43	mg/dL	<30	Calculated
CHOL / HDL RATIO	3.90		0-4.97	Calculated

Comment:

Reference Interval as per National Cholesterol Education Program (NCEP) Adult Treatment Panel III Report.

	Desirable	Borderline High	High	Very High
TOTAL CHOLESTEROL	< 200	200 - 239	≥ 240	
TRIGLYCERIDES	<150	150 - 199	200 - 499	≥ 500
LDL	Optimal < 100 Near Optimal 100-129	130 - 159	160 - 189	≥ 190
HDL	≥ 60			
NON-HDL CHOLESTEROL	Optimal <130; Above Optimal 130-159	160-189	190-219	>220

- Measurements in the same patient on different days can show physiological and analytical variations.
- NCEP ATP III identifies non-HDL cholesterol as a secondary target of therapy in persons with high triglycerides.
- Primary prevention algorithm now includes absolute risk estimation and lower LDL Cholesterol target levels to determine eligibility of drug therapy.
- Low HDL levels are associated with Coronary Heart Disease due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues.
- As per NCEP guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.
- VLDL, LDL Cholesterol Non HDL Cholesterol, CHOL/HDL RATIO, LDL/HDL RATIO are calculated parameters when Triglycerides are below 400 mg/dL. When Triglycerides are more than 400 mg/dL LDL cholesterol is a direct measurement.



Dr Sneha Shah
MBBS, MD (Pathology)
Consultant Pathologist

SIN No:SE04646416

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DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY PLUS ANNUAL CHECK ADVANCED HC MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
LIVER FUNCTION TEST (LFT) , SERUM				
BILIRUBIN, TOTAL	0.74	mg/dL	0.3-1.2	DPD
BILIRUBIN CONJUGATED (DIRECT)	0.13	mg/dL	<0.2	DPD
BILIRUBIN (INDIRECT)	0.61	mg/dL	0.0-1.1	Dual Wavelength
ALANINE AMINOTRANSFERASE (ALT/SGPT)	21.66	U/L	<50	IFCC
ASPARTATE AMINOTRANSFERASE (AST/SGOT)	22.6	U/L	<50	IFCC
ALKALINE PHOSPHATASE	58.45	U/L	30-120	IFCC
PROTEIN, TOTAL	7.44	g/dL	6.6-8.3	Biuret
ALBUMIN	4.65	g/dL	3.5-5.2	BROMO CRESOL GREEN
GLOBULIN	2.79	g/dL	2.0-3.5	Calculated
A/G RATIO	1.67		0.9-2.0	Calculated

Comment:

LFT results reflect different aspects of the health of the liver, i.e., hepatocyte integrity (AST & ALT), synthesis and secretion of bile (Bilirubin, ALP), cholestasis (ALP, GGT), protein synthesis (Albumin)

Common patterns seen:

1. Hepatocellular Injury:


- AST – Elevated levels can be seen. However, it is not specific to liver and can be raised in cardiac and skeletal injuries.
- ALT – Elevated levels indicate hepatocellular damage. It is considered to be most specific lab test for hepatocellular injury. Values also correlate well with increasing BMI.
- Disproportionate increase in AST, ALT compared with ALP.
- Bilirubin may be elevated.
- AST: ALT (ratio) – In case of hepatocellular injury AST: ALT > 1 In Alcoholic Liver Disease AST: ALT usually >2. This ratio is also seen to be increased in NAFLD, Wilson's's diseases, Cirrhosis, but the increase is usually not >2.

2. Cholestatic Pattern:

- ALP – Disproportionate increase in ALP compared with AST, ALT.
- Bilirubin may be elevated.
- ALP elevation also seen in pregnancy, impacted by age and sex.
- To establish the hepatic origin correlation with GGT helps. If GGT elevated indicates hepatic cause of increased ALP.

3. Synthetic function impairment:

- Albumin- Liver disease reduces albumin levels.
- Correlation with PT (Prothrombin Time) helps.


Dr Sneha Shah
 MBBS, MD (Pathology)
 Consultant Pathologist

SIN No:SE04646416

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Test Name	Result	Unit	Bio. Ref. Range	Method
RENAL PROFILE/KIDNEY FUNCTION TEST (RFT/KFT) , SERUM				
CREATININE	0.77	mg/dL	0.72 – 1.18	Modified Jaffe, Kinetic
UREA	12.96	mg/dL	17-43	GLDH, Kinetic Assay
BLOOD UREA NITROGEN	6.1	mg/dL	8.0 - 23.0	Calculated
URIC ACID	4.65	mg/dL	3.5–7.2	Uricase PAP
CALCIUM	9.62	mg/dL	8.8-10.6	Arsenazo III
PHOSPHORUS, INORGANIC	2.78	mg/dL	2.5-4.5	Phosphomolybdate Complex
SODIUM	140.32	mmol/L	136–146	ISE (Indirect)
POTASSIUM	4.3	mmol/L	3.5–5.1	ISE (Indirect)
CHLORIDE	102.7	mmol/L	101–109	ISE (Indirect)
PROTEIN, TOTAL	7.44	g/dL	6.6-8.3	Biuret
ALBUMIN	4.65	g/dL	3.5-5.2	BROMO CRESOL GREEN
GLOBULIN	2.79	g/dL	2.0-3.5	Calculated
A/G RATIO	1.67		0.9-2.0	Calculated

Page 9 of 15


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Visit ID : CVIMOPV593652	Status : Final Report
Ref Doctor : Dr.SELF	Sponsor Name : ARCOFEMI HEALTHCARE LIMITED
Emp/Auth/TPA ID : UBOIE3935	

DEPARTMENT OF BIOCHEMISTRY

ARCOFEMI - MEDIWHEEL - FULL BODY PLUS ANNUAL CHECK ADVANCED HC MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
ALKALINE PHOSPHATASE , <i>SERUM</i>	58.45	U/L	30-120	IFCC

Test Name	Result	Unit	Bio. Ref. Range	Method
GAMMA GLUTAMYL TRANSPEPTIDASE (GGT) , <i>SERUM</i>	17.48	U/L	<55	IFCC



Dr Sneha Shah
MBBS, MD (Pathology)
Consultant Pathologist

SIN No:SE04646416

This test has been performed at Apollo Health and Lifestyle Ltd- Sadashiv Peth Pune, Diagnostics Lab



Certificate No: MC-5697

Patient Name : Mr.PRAMOD KUMAR	Collected : 01/Mar/2024 10:17AM
Age/Gender : 59 Y 1 M 4 D/M	Received : 01/Mar/2024 01:24PM
UHID/MR No : CVIM.0000237060	Reported : 01/Mar/2024 02:39PM
Visit ID : CVIMOPV593652	Status : Final Report
Ref Doctor : Dr.SELF	Sponsor Name : ARCOFEMI HEALTHCARE LIMITED
Emp/Auth/TPA ID : UBOIE3935	

DEPARTMENT OF IMMUNOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY PLUS ANNUAL CHECK ADVANCED HC MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
THYROID PROFILE TOTAL (T3, T4, TSH) , SERUM				
TRI-IODOTHYRONINE (T3, TOTAL)	0.97	ng/mL	0.7-2.04	CLIA
THYROXINE (T4, TOTAL)	11.79	µg/dL	5.48-14.28	CLIA
THYROID STIMULATING HORMONE (TSH)	1.919	µIU/mL	0.34-5.60	CLIA

Comment:

For pregnant females	Bio Ref Range for TSH in uIU/ml (As per American Thyroid Association)
First trimester	0.1 - 2.5
Second trimester	0.2 - 3.0
Third trimester	0.3 - 3.0

- TSH is a glycoprotein hormone secreted by the anterior pituitary. TSH activates production of T3 (Triiodothyronine) and its prohormone T4 (Thyroxine). Increased blood level of T3 and T4 inhibit production of TSH.
- TSH is elevated in primary hypothyroidism and will be low in primary hyperthyroidism. Elevated or low TSH in the context of normal free thyroxine is often referred to as sub-clinical hypo- or hyperthyroidism respectively.
- Both T4 & T3 provides limited clinical information as both are highly bound to proteins in circulation and reflects mostly inactive hormone. Only a very small fraction of circulating hormone is free and biologically active.
- Significant variations in TSH can occur with circadian rhythm, hormonal status, stress, sleep deprivation, medication & circulating antibodies.

TSH	T3	T4	FT4	Conditions
High	Low	Low	Low	Primary Hypothyroidism, Post Thyroidectomy, Chronic Autoimmune Thyroiditis
High	N	N	N	Subclinical Hypothyroidism, Autoimmune Thyroiditis, Insufficient Hormone Replacement Therapy.
N/Low	Low	Low	Low	Secondary and Tertiary Hypothyroidism
Low	High	High	High	Primary Hyperthyroidism, Goitre, Thyroiditis, Drug effects, Early Pregnancy
Low	N	N	N	Subclinical Hyperthyroidism
Low	Low	Low	Low	Central Hypothyroidism, Treatment with Hyperthyroidism
Low	N	High	High	Thyroiditis, Interfering Antibodies
N/Low	High	N	N	T3 Thyrotoxicosis, Non thyroidal causes
High	High	High	High	Pituitary Adenoma; TSHoma/Thyrotropinoma

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Dr Sneha Shah
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SIN No:SPL24035789

This test has been performed at Apollo Health and Lifestyle Ltd- Sadashiv Peth Pune, Diagnostics Lab



Certificate No: MC- 5697

Patient Name : Mr.PRAMOD KUMAR	Collected : 01/Mar/2024 10:17AM
Age/Gender : 59 Y 1 M 4 D/M	Received : 01/Mar/2024 01:24PM
UHID/MR No : CVIM.0000237060	Reported : 01/Mar/2024 02:11PM
Visit ID : CVIMOPV593652	Status : Final Report
Ref Doctor : Dr.SELF	Sponsor Name : ARCOFEMI HEALTHCARE LIMITED
Emp/Auth/TPA ID : UBOIE3935	

DEPARTMENT OF IMMUNOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY PLUS ANNUAL CHECK ADVANCED HC MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
VITAMIN D (25 - OH VITAMIN D) , SERUM	11.64	ng/mL		CLIA

Comment:

BIOLOGICAL REFERENCE RANGES

VITAMIN D STATUS	VITAMIN D 25 HYDROXY (ng/mL)
DEFICIENCY	<10
INSUFFICIENCY	10 – 30
SUFFICIENCY	30 – 100
TOXICITY	>100

The biological function of Vitamin D is to maintain normal levels of calcium and phosphorus absorption. 25-Hydroxy vitamin D is the storage form of vitamin D. Vitamin D assists in maintaining bone health by facilitating calcium absorption. Vitamin D deficiency can also cause osteomalacia, which frequently affects elderly patients.

Vitamin D Total levels are composed of two components namely 25-Hydroxy Vitamin D2 and 25-Hydroxy Vitamin D3 both of which are converted into active forms. Vitamin D2 level corresponds with the exogenous dietary intake of Vitamin D rich foods as well as supplements. Vitamin D3 level corresponds with endogenous production as well as exogenous diet and supplements.

Vitamin D from sunshine on the skin or from dietary intake is converted predominantly by the liver into 25-hydroxy vitamin D, which has a long half-life and is stored in the adipose tissue. The metabolically active form of vitamin D, 1,25-di-hydroxy vitamin D, which has a short life, is then synthesized in the kidney as needed from circulating 25-hydroxy vitamin D. The reference interval of greater than 30 ng/mL is a target value established by the Endocrine Society.

Decreased Levels:

Inadequate exposure to sunlight.

Dietary deficiency.

Vitamin D malabsorption.

Severe Hepatocellular disease.

Drugs like Anticonvulsants.

Nephrotic syndrome.

Increased levels:


Vitamin D intoxication.

Test Name	Result	Unit	Bio. Ref. Range	Method
VITAMIN B12 , SERUM	<80	pg/mL	120-914	CLIA

Comment:

- Vitamin B12 deficiency frequently causes macrocytic anemia, glossitis, peripheral neuropathy, weakness, hyperreflexia, ataxia, loss of proprioception,

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SIN No:SPL24035789

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Patient Name : Mr.PRAMOD KUMAR	Collected : 01/Mar/2024 10:17AM
Age/Gender : 59 Y 1 M 4 D/M	Received : 01/Mar/2024 01:24PM
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Visit ID : CVIMOPV593652	Status : Final Report
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DEPARTMENT OF IMMUNOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY PLUS ANNUAL CHECK ADVANCED HC MALE - 2D ECHO - PAN INDIA - FY2324

poor coordination, and affective behavioral changes.

- The most common cause of deficiency is malabsorption either due to atrophy of gastric mucosa or diseases of terminal ileum. Patients taking vitamin B12 supplementation may have misleading results.
- A normal serum concentration of B12 does not rule out tissue deficiency of vitamin B12 .
- The most sensitive test for B12 deficiency at the cellular level is the assay for MMA. If clinical symptoms suggest deficiency, measurement of MMA and homocysteine should be considered, even if serum B12 concentrations are normal.
- Increased levels can be seen in Chronic renal failure, Congestive heart failure, Leukemias, Polycythemia vera, Liver disease etc.

Test Name	Result	Unit	Bio. Ref. Range	Method
TOTAL PROSTATIC SPECIFIC ANTIGEN (tPSA) , SERUM	1.060	ng/mL	0-4	CLIA



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SIN No:SPL24035789

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Patient Name : Mr.PRAMOD KUMAR	Collected : 01/Mar/2024 10:17AM
Age/Gender : 59 Y 1 M 4 D/M	Received : 01/Mar/2024 02:40PM
UHID/MR No : CVIM.0000237060	Reported : 01/Mar/2024 03:02PM
Visit ID : CVIMOPV593652	Status : Final Report
Ref Doctor : Dr.SELF	Sponsor Name : ARCOFEMI HEALTHCARE LIMITED
Emp/Auth/TPA ID : UBOIE3935	

DEPARTMENT OF CLINICAL PATHOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY PLUS ANNUAL CHECK ADVANCED HC MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
COMPLETE URINE EXAMINATION (CUE) , URINE				
PHYSICAL EXAMINATION				
COLOUR	PALE YELLOW		PALE YELLOW	Visual
TRANSPARENCY	CLEAR		CLEAR	Visual
pH	6.0		5-7.5	DOUBLE INDICATOR
SP. GRAVITY	1.015		1.002-1.030	Bromothymol Blue
BIOCHEMICAL EXAMINATION				
URINE PROTEIN	NEGATIVE		NEGATIVE	PROTEIN ERROR OF INDICATOR
GLUCOSE	NEGATIVE		NEGATIVE	GLUCOSE OXIDASE
URINE BILIRUBIN	NEGATIVE		NEGATIVE	AZO COUPLING REACTION
URINE KETONES (RANDOM)	NEGATIVE		NEGATIVE	SODIUM NITRO PRUSSIDE
UROBILINOGEN	NORMAL		NORMAL	MODIFIED EHRlich REACTION
BLOOD	NEGATIVE		NEGATIVE	Peroxidase
NITRITE	NEGATIVE		NEGATIVE	Diazotization
LEUCOCYTE ESTERASE	NEGATIVE		NEGATIVE	LEUCOCYTE ESTERASE
CENTRIFUGED SEDIMENT WET MOUNT AND MICROSCOPY				
PUS CELLS	3 - 4	/hpf	0-5	Microscopy
EPITHELIAL CELLS	2 - 3	/hpf	<10	MICROSCOPY
RBC	NIL	/hpf	0-2	MICROSCOPY
CASTS	NIL		0-2 Hyaline Cast	MICROSCOPY
CRYSTALS	ABSENT		ABSENT	MICROSCOPY



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SIN No:UR2294703

This test has been performed at Apollo Health and Lifestyle Ltd- Sadashiv Peth Pune, Diagnostics Lab



Certificate No: MC-5697

Patient Name : Mr.PRAMOD KUMAR	Collected : 01/Mar/2024 12:39PM
Age/Gender : 59 Y 1 M 4 D/M	Received : 01/Mar/2024 02:40PM
UHID/MR No : CVIM.0000237060	Reported : 01/Mar/2024 03:03PM
Visit ID : CVIMOPV593652	Status : Final Report
Ref Doctor : Dr.SELF	Sponsor Name : ARCOFEMI HEALTHCARE LIMITED
Emp/Auth/TPA ID : UBOIE3935	

DEPARTMENT OF CLINICAL PATHOLOGY

ARCOFEMI - MEDIWHEEL - FULL BODY PLUS ANNUAL CHECK ADVANCED HC MALE - 2D ECHO - PAN INDIA - FY2324

Test Name	Result	Unit	Bio. Ref. Range	Method
URINE GLUCOSE(POST PRANDIAL)	NEGATIVE		NEGATIVE	Dipstick

*** End Of Report ***

Result/s to Follow:

GLUCOSE (FASTING) - URINE

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SIN No:UPP016829

This test has been performed at Apollo Health and Lifestyle Ltd- Sadashiv Peth Pune, Diagnostics Lab

