

REPORT

Name	: Mr. VINAY	Sample ID	: 24864429, 24864440
Age/Gender	: 45 Years/Male	Reg. No	: 0312405030005
Referred by	: Dr. SELF	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 03-May-2024 08:36 AM
Primary Sample	:	Received On	: 03-May-2024 12:57 PM
Sample Tested In	: Serum, Urine	Reported On	: 03-May-2024 03:42 PM
Client Address	: Kimtee colony ,Gokul Nagar, Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Ref. Range	Method
Estimated Glomerular Filtration Rate (eGFR):MDRD				
Albumin	4.0	g/dL	3.4-5.0	Bromocresol purple (BCP)
Creatinine -Serum	1.07	mg/dL	0.70-1.30	Sarcosine oxidase
Blood Urea Nitrogen (BUN)	17	mg/dL	7.0-18.0	Calculated
GFR by MDRD Formula	88	mL/min/1.73m ²	74 - 129	Calculated

Interpretation:

- To assess kidney function and diagnose, stage, and monitor chronic kidney disease.
- Glomerular filtration rate (GFR) is a measure of how well your kidneys are working. The kidney's primary function is to filter blood. Waste and excess water gets removed and turned into urine. The levels of salts and minerals in blood are adjusted to maintain a healthy balance. In addition, kidneys produce hormones that regulate blood pressure, maintain bone health, and control production of red blood cells.

Protein - Random Urine	63.16	mg/dL	1-14	Pyrogallol Red
Creatinine - Random Urine	154.58	mg/dL	22-398	kinetic Jaffe reaction.
Protein/Creatinine Ratio	0.41		< 0.20	Calculated

Interpretation:

The urine protein test measures the amount of protein being excreted in the urine. Proteinuria is frequently seen in chronic diseases, such as diabetes and hypertension, with increasing amounts of protein in the urine reflecting increasing kidney damage. With early kidney damage, the affected person is often asymptomatic. As damage progresses, or if protein loss is severe, the person may develop symptoms such as edema, shortness of breath, nausea, and fatigue. Excess protein overproduction, as seen with multiple myeloma, lymphoma, and amyloidosis, can also lead to proteinuria. Creatinine, a byproduct of muscle metabolism, is normally released into the urine at a constant rate.



Dr. Vaishnavi
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MD BIOCHEMISTRY

REPORT

Name	: Mr. VINAY	Sample ID	: 24864430
Age/Gender	: 45 Years/Male	Reg. No	: 0312405030005
Referred by	: Dr. SELF	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 03-May-2024 08:36 AM
Primary Sample	: Whole Blood	Received On	: 03-May-2024 01:00 PM
Sample Tested In	: Whole Blood EDTA	Reported On	: 03-May-2024 01:58 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

HAEMATOLOGY

HEALTH PROFILE A-1 PACKAGE

Test Name	Results	Units	Ref. Range	Method
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Erythrocyte Sedimentation Rate (ESR)	7		10 or less	Westergren method
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Comments : ESR is an acute phase reactant which indicates presence and intensity of an inflammatory process. It is never diagnostic of a specific disease. It is used to monitor the course or response to treatment of certain diseases. Extremely high levels are found in cases of malignancy, hematologic diseases, collagen disorders and renal diseases.

Complete Blood Count (CBC)

Haemoglobin (Hb)	13.3	g/dL	13-17	Cynmeth Method
RBC Count	5.19	10 ¹² /L	4.5-5.5	Cell Impedance
Total WBC Count	10.6	10 ⁹ /L	4.0-10.0	Impedance
Platelet Count (PLT)	318	10 ⁹ /L	150-410	Cell Impedance
Haematocrit (HCT)	41.1	%	40-50	Calculated
MCV	79	fl	81-101	Calculated
MCH	25.6	pg	27-32	Calculated
MCHC	32.3	g/dL	32.5-34.5	Calculated
RDW-CV	14.4	%	11.6-14.0	Calculated

Differential Count by Flowcytometry /Microscopy

Neutrophils	70	%	40-70	Cell Impedance
Lymphocytes	23	%	20-40	Cell Impedance
Monocytes	04	%	2-10	Microscopy
Eosinophils	03	%	1-6	Microscopy
Basophils	0	%	1-2	Microscopy

Smear

WBC	Mild Leucocytosis	
RBC	Normocytic normochromic	
Platelets	Adequate.	Microscopy



Swarnabala - M
DR. SWARNA BALA
MD PATHOLOGY

REPORT

Name	: Mr. VINAY	Sample ID	: 24864432, 24864429
Age/Gender	: 45 Years/Male	Reg. No	: 0312405030005
Referred by	: Dr. SELF	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 03-May-2024 08:36 AM
Primary Sample	: Whole Blood	Received On	: 03-May-2024 01:00 PM
Sample Tested In	: Plasma-NaF(F), Serum	Reported On	: 03-May-2024 04:14 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Ref. Range	Method
Glucose Fasting (F)	78	mg/dL	70-100	GOD-POD

Interpretation of Plasma Glucose based on ADA guidelines 2018

Diagnosis	Fasting Plasma Glucose(mg/dL)	2hrs Plasma Glucose(mg/dL)	HbA1c(%)	RBS(mg/dL)
Prediabetes	100-125	140-199	5.7-6.4	NA
Diabetes	> = 126	> = 200	> = 6.5	>=200(with symptoms)

Reference: Diabetes care 2018:41(suppl.1):S13-S27

Calcium	8.7	mg/dL	8.5-10.1	o-cresolphthalein complexone (OCPC)
Thyroxine Free (FT4)	1.51	ng/dL	0.89-1.76	CLIA

Interpretation:

- This test measures the amount of free thyroxine, or FT4, in your blood. Thyroid stimulating hormone is the preferred initial test in the assessment of thyroid function. Free thyroxine (FT4) measured in response to an abnormal TSH test result. High free thyroxine results may indicate an overactive thyroid gland (hyperthyroidism). Low free thyroxine results may indicate an underactive thyroid gland (hypothyroidism).

Result rechecked and verified for abnormal cases

*** End Of Report ***

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Primary Sample	: Whole Blood	Received On	: 03-May-2024 01:00 PM
Sample Tested In	: Serum	Reported On	: 03-May-2024 03:03 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

HEALTH PROFILE A-1 PACKAGE

Test Name	Results	Units	Ref. Range	Method
Lipid Profile				
Cholesterol Total	167	mg/dL	< 200	CHOD-POD
Triglycerides-TGL	124	mg/dL	< 150	GPO-POD
Cholesterol-HDL	42	mg/dL	40-60	Direct
Cholesterol-LDL	100.2	mg/dL	< 100	Calculated
Cholesterol- VLDL	24.8	mg/dL	7-35	Calculated
Non HDL Cholesterol	125	mg/dL	< 130	Calculated
Cholesterol Total /HDL Ratio	3.98	%	0-4.0	Calculated
HDL / LDL Ratio	0.42			
LDL/HDL Ratio	2.39	%	0-3.5	Calculated

The National Cholesterol Education program's third Adult Treatment Panel (ATPIII) has issued its recommendations on evaluating and treating lipid disorders for primary and secondary.

NCEP Recommendations	Cholesterol Total in (mg/dL)	Triglycerides in (mg/dL)	HDL Cholesterol (mg/dL)	LDL Cholesterol in (mg/dL)	Non HDL Cholesterol in (mg/dL)
Optimal	Adult: < 200 Children: < 170	< 150	40-59	Adult:<100 Children: <110	<130
Above Optimal	-----	-----		100-129	130 - 159
Borderline High	Adult: 200-239 Children:171-199	150-199		Adult: 130-159 Children: 111-129	160 - 189
High	Adult:>or=240 Children:>or=200	200-499	≥ 60	Adult:160-189 Children:>or=130	190 - 219
Very High	-----	>or=500		Adult: >or=190 -----	>=220

Note: LDL cholesterol cannot be calculated if triglyceride is >400 mg/dL (Friedewald's formula). Calculated values not provided for LDL and VLDL



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CLINICAL BIOCHEMISTRY

HEALTH PROFILE A-1 PACKAGE

Test Name	Results	Units	Ref. Range	Method
Kidney Profile-KFT				
Creatinine -Serum	1.07	mg/dL	0.70-1.30	Sarcosine oxidase
Urea-Serum	35.5	mg/dL	12.8-42.8	Glutamate dehydrogenase+Calculation
Blood Urea Nitrogen (BUN)	16.59	mg/dL	7.0-18.0	Calculated
BUN / Creatinine Ratio	15.89		6 - 22	
Uric Acid	5.2	mg/dL	3.5-7.2	Uricase
Sodium	141	mmol/L	136-145	ISE Direct
Potassium	4.0	mmol/L	3.5-5.1	ISE Direct
Chloride	106	mmol/L	98-108	ISE Direct
Liver Function Test (LFT)				
Bilirubin(Total)	1.1	mg/dL	0.3-1.2	Diazo
Bilirubin (Direct)	0.2	mg/dL	0.0 - 0.5	Diazo
Bilirubin (Indirect)	0.9	mg/dL	0.2-1.0	Calculated
Aspartate Aminotransferase (AST/SGOT)	22	U/L	5-40	IFCC with out (P-5-P)
Alanine Aminotransferase (ALT/SGPT)	20	U/L	0-55	IFCC with out (P-5-P)
Alkaline Phosphatase(ALP)	66	U/L	40-150	Kinetic PNPP-AMP
Gamma Glutamyl Transpeptidase (GGTP)	36	U/L	15-85	IFCC
Protein - Total	7.0	g/dL	6.4-8.2	Biuret
Albumin	4.0	g/dL	3.4-5.0	Bromocresol purple (BCP)
Globulin	3	g/dL	2.0-4.2	Calculated
A:G Ratio	1.33	%	0.8-2.0	Calculated
SGOT/SGPT Ratio	1.10			

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CLINICAL BIOCHEMISTRY

HEALTH PROFILE A-1 PACKAGE

Test Name	Results	Units	Ref. Range	Method
Thyroid Profile-I(TFT)				
T3 (Triiodothyronine)	98.36	ng/dL	70-204	CLIA
T4 (Thyroxine)	5.2	µg/dL	3.2-12.6	CLIA
TSH -Thyroid Stimulating Hormone	12.71	µIU/mL	0.35-5.5	CLIA

Pregnancy & Cord Blood

T3 (Triiodothyronine):	T4 (Thyroxine)	TSH (Thyroid Stimulating Hormone)
First Trimester : 81-190 ng/dL	15 to 40 weeks:9.1-14.0 µg/dL	First Trimester : 0.24-2.99 µIU/mL
Second&Third Trimester :100-260 ng/dL		Second Trimester: 0.46-2.95 µIU/mL
		Third Trimester : 0.43-2.78 µIU/mL
Cord Blood: 30-70 ng/dL	Cord Blood: 7.4-13.0 µg/dL	Cord Blood: : 2.3-13.2 µIU/mL

Interpretation:

- Thyroid gland is a butterfly-shaped endocrine gland that is normally located in the lower front of the neck. The thyroid's job is to make thyroid hormones, which are secreted into the blood and then carried to every tissue in the body. Thyroid hormones help the body use energy, stay warm and keep the brain, heart, muscles, and other organs working as they should.
- Thyroid produces two major hormones: triiodothyronine (T3) and thyroxine (T4). If thyroid gland doesn't produce enough of these hormones, you may experience symptoms such as weight gain, lack of energy, and depression. This condition is called hypothyroidism.
- Thyroid gland produces too many hormones, you may experience weight loss, high levels of anxiety, tremors, and a sense of being on a high. This is called hyperthyroidism.
- TSH interacts with specific cell receptors on the thyroid cell surface and exerts two main actions. The first action is to stimulate cell reproduction and hypertrophy. Secondly, TSH stimulates the thyroid gland to synthesize and secrete T3 and T4.
- The ability to quantitate circulating levels of TSH is important in evaluating thyroid function. It is especially useful in the differential diagnosis of primary (thyroid) from secondary (pituitary) and tertiary (hypothalamus) hypothyroidism. In primary hypothyroidism, TSH levels are significantly elevated, while in secondary and tertiary hypothyroidism, TSH levels are low.



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Referred by	: Dr. SELF	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 03-May-2024 08:36 AM
Primary Sample	:	Received On	: 03-May-2024 12:57 PM
Sample Tested In	: Urine	Reported On	: 03-May-2024 02:24 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CLINICAL PATHOLOGY

HEALTH PROFILE A-1 PACKAGE

Test Name	Results	Units	Ref. Range	Method
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Complete Urine Analysis (CUE)

Physical Examination

Colour	Pale Yellow	Straw to light amber
Appearance	Clear	Clear

Chemical Examination

Glucose	Negative	Negative	Strip Reflectance
Protein	Absent	Negative	Strip Reflectance
Bilirubin (Bile)	Negative	Negative	Strip Reflectance
Urobilinogen	Negative	Negative	Ehrlichs reagent
Ketone Bodies	Negative	Negative	Strip Reflectance
Specific Gravity	1.010	1.000 - 1.030	Strip Reflectance
Blood	Negative	Negative	Strip Reflectance
Reaction (pH)	6.5	5.0 - 8.5	Reagent Strip Reflectance
Nitrites	Negative	Negative	Strip Reflectance
Leukocyte esterase	Negative	Negative	Reagent Strip Reflectance

Microscopic Examination (Microscopy)

PUS(WBC) Cells	02-03	/hpf	00-05	Microscopy
R.B.C.	Nil	/hpf	Nil	Microscopic
Epithelial Cells	01-02	/hpf	00-05	Microscopic
Casts	Absent	Absent	Absent	Microscopic
Crystals	Absent	Absent	Absent	Microscopic
Bacteria	Nil	Nil	Nil	
Budding Yeast Cells	Nil	Absent	Absent	Microscopy

Correlate Clinically.

Result rechecked and verified for abnormal cases

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*** End Of Report ***



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