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Excellence In Health Care

Sagepath Labs Pvt. Ltd.

Lab Address:- # Plot No. 564 , 1st floor , Buddhanagar , Near Sai Baba Temple Peerzadiguda Boduppal Hyderabad, Telangana.
ICMR Reg .No. SAPALAPVLHT (Covid -19)

REPORT

Name	: Mrs. LAKSHMI	Sample ID	: A0013101, A0013016
Age/Gender	: 79 Years/Female	Reg. No	: 0312401260016
Referred by	: Dr. RAGHAVENDRA	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 26-Jan-2024 09:17 AM
Primary Sample	:	Received On	: 26-Jan-2024 03:43 PM
Sample Tested In	: Serum, Urine	Reported On	: 26-Jan-2024 06:03 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

GLUCOSE FASTING

Test Name	Results	Units	Ref. Range	Method
Bicarbonate (HCO3)-Serum	**21.6**	mEq/L	22.0 - 29.0	Enzymatic Endpoint

Interpretation:

Bicarbonate is the second largest fraction of anions in the plasma. At the physiological pH of blood, the concentration of carbonate is 1/1000 that of bicarbonate. This test is a significant indicator of electrolyte dispersion and anion deficit. An abnormal bicarbonate means a metabolic rather than a respiratory problem.

Increased Levels ·

Acute Metabollic alkalosis ·
Chronic Metabolic alkalosis

Estimated Glomerular Filtration Rate (eGFR):MDRD

Albumin	4.1	g/dL	3.4-5.0	Bromocresol purple (BCP)
Creatinine -Serum	**1.26**	mg/dL	0.60-1.20	Sarcosine oxidase
Blood Urea Nitrogen (BUN)	13	mg/dL	8.0-23.0	Calculated
GFR by MDRD Formula	**44**	mL/min/1.73m2	52 - 102	Calculated

Interpreatation:

- 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.

Fasting Urine Glucose	Trace		Negative	Automated Strip Test

Result rechecked and verified for abnormal cases

*** End Of Report ***

DR.VAISHNAVI
MD BIOCHEMISTRY

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REPORT

Name	: Mrs. LAKSHMI	Sample ID	: A0013102
Age/Gender	: 79 Years/Female	Reg. No	: 0312401260016
Referred by	: Dr. RAGHAVENDRA	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 26-Jan-2024 09:17 AM
Primary Sample	: Whole Blood	Received On	: 26-Jan-2024 03:35 PM
Sample Tested In	: Whole Blood EDTA	Reported On	: 26-Jan-2024 04:28 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

HAEMATOLOGY

Test Name	Results	Units	Ref. Range	Method
Complete Blood Picture(CBP)				
Haemoglobin (Hb)	12.3	g/dL	12-15	Cynmeth Method
Haematocrit (HCT)	**38.7**	%	40-50	Calculated
RBC Count	**4.31**	10^12/L	4.5-5.5	Cell Impedence
MCV	90	fl	81-101	Calculated
MCH	28.4	pg	27-32	Calculated
MCHC	**31.7**	g/dL	32.5-34.5	Calculated
RDW-CV	13.6	%	11.6-14.0	Calculated
Platelet Count (PLT)	263	10^9/L	150-410	Cell Impedance
Total WBC Count	6.9	10^9/L	4.0-10.0	Impedance
Differential Leucocyte Count (DC)				
Neutrophils	65	%	40-70	Cell Impedence
Lymphocytes	28	%	20-40	Cell Impedence
Monocytes	04	%	2-10	Microscopy
Eosinophils	03	%	1-6	Microscopy
Basophils	0	%	1-2	Microscopy
Absolute Neutrophils Count	4.49	10^9/L	2.0-7.0	Impedence
Absolute Lymphocyte Count	1.93	10^9/L	1.0-3.0	Impedence
Absolute Monocyte Count	0.28	10^9/L	0.2-1.0	Calculated
Absolute Eosinophils Count	0.21	10^9/L	0.02-0.5	Calculated
Absolute Basophil lCount	0.00	10^9/L	0.0-0.3	Calculated
Morphology	Normocytic normochromic blood picture			PAPs Staining

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REPORT

Name	: Mrs. LAKSHMI	Sample ID	: A0013103, A0013104
Age/Gender	: 79 Years/Female	Reg. No	: 0312401260016
Referred by	: Dr. RAGHAVENDRA	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 26-Jan-2024 09:17 AM
Primary Sample	: Whole Blood	Received On	: 26-Jan-2024 03:35 PM
Sample Tested In	: Plasma-NaF(F), Plasma-NaF(PP)	Reported On	: 26-Jan-2024 04:30 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

GLUCOSE POST PRANDIAL (PP)

Test Name	Results	Units	Ref. Range	Method
Glucose Fasting (F)	**107**	mg/dL	70-100	GOD-POD

Interpretation of Plasma Glucose based on ADA guidelines 2018

Diagnosis	FastingPlasma Glucose(mg/dL)	2hrsPlasma 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

Glucose Post Prandial (PP)	**153**	mg/dL	70-140	Hexokinase (HK)

Interpretation of Plasma Glucose based on ADA guidelines 2018

Diagnosis	FastingPlasma Glucose(mg/dL)	2hrsPlasma 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

- Postprandial glucose level is a screening test for Diabetes Mellitus
- If glucose level is >140 mg/dL and <200 mg/dL, then GTT (glucose tolerance test) is advised.
- If level after 2 hours = >200 mg/dL diabetes mellitus is confirmed.
- Advise HbA1c for further evaluation.

Result rechecked and verified for abnormal cases

*** End Of Report ***

Laboratory is NABL Accredited

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REPORT

Name	: Mrs. LAKSHMI	Sample ID	: A0013101
Age/Gender	: 79 Years/Female	Reg. No	: 0312401260016
Referred by	: Dr. RAGHAVENDRA	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 26-Jan-2024 09:17 AM
Primary Sample	: Whole Blood	Received On	: 26-Jan-2024 03:35 PM
Sample Tested In	: Serum	Reported On	: 26-Jan-2024 05:36 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Ref. Range	Method
Kidney Profile-KFT				
Creatinine -Serum	**1.26**	mg/dL	0.60-1.20	Sarcosine oxidase
Urea-Serum	28.2	mg/dL	17.1-49.2	Glutamate dehydrogenase+Calculation
Blood Urea Nitrogen (BUN)	13.18	mg/dL	8.0-23.0	Calculated
BUN / Creatinine Ratio	10.32		6 - 22	
Uric Acid	2.8	mg/dL	2.6-6.0	Uricase
Sodium	138	mmol/L	136-145	ISE Direct
Potassium	3.9	mmol/L	3.5-5.1	ISE Direct
Chloride	101	mmol/L	98-108	ISE Direct

Interpretation:

- The kidneys, located in the retroperitoneal space in the abdomen, are vital for patient health. They process several hundred liters of fluid a day and remove around two liters of waste products from the bloodstream. The volume of fluid that passes though the kidneys each minute is closely linked to cardiac output. The kidneys maintain the body's balance of water and concentration of minerals such as sodium, potassium, and phosphorus in blood and remove waste by-products from the blood after digestion, muscle activity and exposure to chemicals or medications. They also produce renin which helps regulate blood pressure, produce erythropoietin which stimulates red blood cell production, and produce an active form of vitamin D, needed for bone health.

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REPORT

Name	: Mrs. LAKSHMI	Sample ID	: A0013016
Age/Gender	: 79 Years/Female	Reg. No	: 0312401260016
Referred by	: Dr. RAGHAVENDRA	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 26-Jan-2024 09:17 AM
Primary Sample	:	Received On	: 26-Jan-2024 03:43 PM
Sample Tested In	: Urine	Reported On	: 26-Jan-2024 05:39 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CLINICAL PATHOLOGY

Test Name	Results	Units	Ref. Range	Method
Complete Urine Analysis (CUE)				
Physical Examination				
Colour	Pale Yellow		Straw to light amber	
Appearance	HAZY		Clear	
Chemical Examination				
Glucose	Trace		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	1.025		1.000 - 1.030	Strip Reflectance
Blood	(+)		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	03-04	/hpf	00-05	Microscopy
R.B.C.	06-08	/hpf	Nil	Microscopic
Epithelial Cells	01-02	/hpf	00-05	Microscopic
Casts	Absent		Absent	Microscopic
Crystals	Absent		Absent	Microscopic
Bacteria	Nil		Nil	
Budding Yeast Cells	Nil		Absent	Microscopy

Comments : Urine analysis is one of the most useful laboratory tests as it identifies a wide range of medical conditions including renal damage, urinary tract infections,diabetes, hypertension and drug toxicity.

Correlate Clinically.

Result rechecked and verified for abnormal cases
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*** End Of Report ***

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