SagePath®
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. KOMAL	Sample ID	: A0451431
Age/Gender	: 52 Years/Female	Reg. No	: 0312408210045
Referred by	: Dr. TARUN RAO	SPP Code	: SPL-CV-172
Referring Customer	: V CARE MEDICAL DIAGNOSTICS	Collected On	: 21-Aug-2024 07:47 PM
Primary Sample	: Whole Blood	Received On	: 21-Aug-2024 10:35 PM
Sample Tested In	: Serum	Reported On	: 21-Aug-2024 11:59 PM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Ref. Range	Method
C-Reactive protein-(CRP)	0.1	mg/L	Upto:6.0	Immunoturbidimetry

Interpretation:

C-reactive protein (CRP) is produced by the liver. The level of CRP rises when there is inflammation throughout the body. It is one of a group of proteins called acute phase reactants that go up in response to inflammation. The levels of acute phase reactants increase in response to certain inflammatory proteins called cytokines. These proteins are produced by white blood cells during inflammation.

A positive test means you have inflammation in the body. This may be due to a variety of conditions, including:

- Connective tissue disease
- Heart attack
- Infection
- Inflammatory bowel disease (IBD)
- Lupus
- Pneumonia
- Rheumatoid arthritis

*** End Of Report ***

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MD BIOCHEMISTRY

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Primary Sample	: Whole Blood	Received On	: 21-Aug-2024 10:35 PM
Sample Tested In	: Whole Blood EDTA	Reported On	: 21-Aug-2024 10:55 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)	**10.5**	g/dL	12-15	Cynmeth Method
Haematocrit (HCT)	**33.5**	%	40-50	Calculated
RBC Count	4.08	10^12/L	3.8-4.8	Cell Impedence
MCV	82	fl	81-101	Calculated
MCH	27.8	pg	27-32	Calculated
MCHC	32.6	g/dL	32.5-34.5	Calculated
RDW-CV	13.8	%	11.6-14.0	Calculated
Platelet Count (PLT)	377	10^9/L	150-410	Cell Impedance
Total WBC Count	8.5	10^9/L	4.0-10.0	Impedance
Differential Leucocyte Count (DC)				
Neutrophils	64	%	40-70	Cell Impedence
Lymphocytes	30	%	20-40	Cell Impedence
Monocytes	04	%	2-10	Microscopy
Eosinophils	02	%	1-6	Microscopy
Basophils	00	%	1-2	Microscopy
Absolute Neutrophils Count	5.44	10^9/L	2.0-7.0	Impedence
Absolute Lymphocyte Count	2.55	10^9/L	1.0-3.0	Impedence
Absolute Monocyte Count	0.34	10^9/L	0.2-1.0	Calculated
Absolute Eosinophils Count	0.17	10^9/L	0.02-0.5	Calculated
Absolute Basophil lCount	0.00	10^9/L	0.0-0.3	Calculated
Morphology	Normocytic Normochromic			PAPs Staining

Result rechecked and verified for abnormal cases

*** End Of Report ***

Laboratory is NABL Accredited

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Swarnabala.M
DR.SWARNA BALA
MD PATHOLOGY

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Primary Sample	: Whole Blood	Received On	: 21-Aug-2024 10:35 PM
Sample Tested In	: Whole Blood EDTA	Reported On	: 22-Aug-2024 01:01 AM
Client Address	: Kimtee colony ,Gokul Nagar,Tarnaka	Report Status	: Final Report

HAEMATOLOGY

Test Name	Results	Units	Ref. Range	Method
Erythrocyte Sedimentation Rate (ESR)	6	mm/hr	12 or less	Westergren method

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Swarnabala.M
DR.SWARNA BALA
MD PATHOLOGY

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CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Ref. Range	Method
Uric Acid	2.7	mg/dL	2.6-6.0	Uricase

Interpretation:

- Uric acid is a chemical created when the body breaks down substances called purines. Purines are normally produced in the body and are also found in some foods and drinks. Foods with high content of purines include liver, anchovies, mackerel, dried beans and peas, and beer. Most uric acid dissolves in blood and travels to the kidneys. From there, it passes out in urine. If your body produces too much uric acid or does not remove enough if it, you can get sick. A high level of uric acid in the blood is called hyperuricemia.This test checks to see how much uric acid you have in your blood.Investigation and monitoring of inflammatory arthritis pain, particularly in big toe (gout)
- Useful in the investigation of kidney stones
- Aid in diagnosis, treatment, and monitoring of renal failure/disease
- Monitor patients receiving cytotoxic drugs (high nucleic acid turnover)
- Monitor diseases with nucleic acid metabolism and turnover (eg, leukemia, lymphoma, polycythemia)

Rheumatoid Factor, RA	3.52	IU/mL	<20.0	Immunoturbidometry

Interpretataion:

- This test detects evidence of rheumatoid factor (RF), which is a type of autoantibody. An antibody is a protective protein that forms in the blood in response to a foreign material, known as an antigen (for example a bacterial protein). Autoantibodies, however, are antibodies that attack one's own proteins rather than foreign protein. Rheumatoid factors are autoantibodies directed against the class of immunoglobulins known as IgG and are members of a class of proteins that become elevated in states of inflammation. Rheumatoid factor is elevated in many patients with both chronic and acute inflammation; it may be used to monitor the level of inflammation associated with rhematoid arthritis (RA). Other markers such as CRP are considered more accurate for disease monitoring. Experts still do not understand exactly how RF is formed or why, but it is believed that RF probably does not directly cause joint damage but that it helps to promote the body's inflammation reaction, which contributes to the tissue destruction seen in rheumatoid arthritis.

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CLINICAL BIOCHEMISTRY

Test Name	Results	Units	Ref. Range	Method
25 - Hydroxy Vitamin D	31.64	ng/mL	<20.0-Deficiency 20.0-30.0-Insufficiency 30.0-100.0-Sufficiency >100.0-Potential Intoxication	CLIA

Interpretation:

1.Vitamin D helps your body absorb calcium and maintain strong bones throughout your entire life. Your body produces vitamin D when the sun's UV rays contact your skin. Other good sources of the vitamin include fish, eggs, and fortified dairy products. It's also available as a dietary supplement.

2.Vitamin D must go through several processes in your body before your body can use it. The first transformation occurs in the liver. Here, your body converts vitamin D to a chemical known as 25-hydroxyvitamin D, also called calcidiol.

3.The 25-hydroxy vitamin D test is the best way to monitor vitamin D levels. The amount of 25-hydroxyvitamin D in your blood is a good indication of how much vitamin D your body has. The test can determine if your vitamin D levels are too high or too low.

4.The test is also known as the 25-OH vitamin D test and the calcidiol 25-hydroxycholecalcifoerol test. It can be an important indicator of osteoporosis (bone weakness) and rickets (bone malformation).

Those who are at high risk of having low levels of vitamin D include:

1.people who don't get much exposure to the sun
2.older adults
3.people with obesity.
4.dietary deficiency

Increased Levels: Vitamin D Intoxication

Method : CLIA

Correlate Clinically.

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