biosytech
MEDICAL LABORATORY

BML411643

Laboratory Investigation Report

Name	:	Mr. AGGREYONYANGO	**Ref No.**	:	39188
DOB	:	12/11/1983	**Sample No.**	:	2405420112
Age / Gender	:	40 Y / Male	**Collected**	:	31/05/2024 10:15
Referred by	:	DR.ENOMEN	**Registered**	:	31/05/2024 16:00
Centre	:	Peshawar Medical Center LLC	**Reported**	:	31/05/2024 21:04

CLINICAL PATHOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
STOOL ANALYSIS (ROUTINE)					
MACROSCOPIC EXAMINATION					
COLOR	Dark brown			-	Visual
CONSISTENCY	Formed			-	Visual
BLOOD	Absent			Absent	Visual
MUCUS	Absent			Absent	Visual
MICROSCOPIC EXAMINATION					
LEUCOCYTES	0 - 1		/HPF	Absent	Microscopy
ERYTHROCYTES	0 - 1			0 - 2	Microscopy
OVA	Absent			Absent	Microscopy and Micrometry
CYST	Absent		/HPF	Absent	Microscopy and Micrometry
ENTAMOEBA	Absent		/HPF	Absent	Microscopy
YEAST CELLS	Absent		/HPF	Absent	Microscopy
UNDIGESTED FOOD PARTICLES	Present		/HPF	Absent	Microscopy
OTHERS	Absent		/HPF	Absent	Microscopy

Sample Type : Stool

End of Report

Dr. Adley Mark Fernandes
M.D (Pathology)
Pathologist

Dr. Vyoma V Shah
M.D (Pathology)
Clinical Pathologist

Greeshma P Sidharthan

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Centre	:	Peshawar Medical Center LLC	**Reported**	:	31/05/2024 17:28

CLINICAL PATHOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
URINE ANALYSIS (ROUTINE)					
MACROSCOPIC EXAMINATION					
COLOR	YELLOW			Pale to Dark Yellow	Visual
APPEARANCE	TURBID			-	Visual
CHEMISTRY EXAMINATION					
SPECIFIC GRAVITY	1.025			1.002 - 1.035	Bromothymol blue
PH	6.0			4.5 - 8.0	Litmus paper
GLUCOSE	NEGATIVE			Negative	GOD / POD
BLOOD	NEGATIVE			Negative	Peroxidase
PROTEIN	NEGATIVE			Negative	Protein error of pH indicator
LEUKOCYTE ESTERASE	TRACE			Negative	Esterase
UROBILINOGEN	0.2		E.U./dL	0.2 - 1.0	Diazo
BILIRUBIN	NEGATIVE			Negative	Diazo
KETONE	NEGATIVE			Negative	Legal`s test
NITRITE	NEGATIVE			Negative	Griess test
MICROSCOPIC EXAMINATION					
LEUCOCYTES	2 - 3		/HPF	1 - 4	Microscopy
ERYTHROCYTES	0 - 1		/HPF	0 - 2	Microscopy
EPITHELIAL CELLS	0 - 1		/HPF	Variable	Microscopy
BACTERIA	-		/HPF	Absent	Microscopy
CASTS	-		/HPF	Absent	Microscopy
HYALINE CAST	-		/HPF	Absent	Microscopy
FINE GRANULAR CAST	-		/HPF	Absent	Microscopy
COARSE GRANUALR CAST	-		/HPF	Absent	Microscopy
WAXY CAST	-		/HPF	Absent	Microscopy
FATTY CAST	-		/HPF	Absent	Microscopy
RBC CAST	-		/HPF	Absent	Microscopy
WBC CAST	-		/HPF	Absent	Microscopy
BACTERIAL CAST	-		/HPF	Absent	Microscopy
EPITHELIAL CAST	-		/HPF	Absent	Microscopy
CRYSTALS	-		/HPF	Absent	Microscopy

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CLINICAL PATHOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
CALCIUM OXALATE	Present		/HPF	Absent	Microscopy
CALCIUM CARBONATE	-		/HPF	Absent	Microscopy
CALCIUM PHOSPHATE	-		/HPF	Absent	Microscopy
TRIPLE PHOSPHATE	-		/HPF	Absent	Microscopy
URIC ACID CRYSTAL	-		/HPF	Absent	Microscopy
AMMONIUM BIURATE	-		/HPF	Absent	Microscopy
AMORPHOUS URATES	-		/HPF	Absent	Microscopy
AMORPHOUS PHOSPHATES	-		/HPF	Absent	Microscopy
CYSTINE	-		/HPF	Absent	Microscopy
LEUCINE	-		/HPF	Absent	Microscopy
TYROSINE	-		/HPF	Absent	Microscopy
DRUG CRYSTAL	-		/HPF	Absent	Microscopy
MUCUS THREADS	-		/HPF	Absent	Microscopy
BUDDING YEAST CELLS	-		/HPF	Absent	Microscopy
HYPHAE	-		/HPF	Absent	Microscopy
OVA	-		/HPF	Absent	Microscopy and Micrometry
CYST	-		/HPF	Absent	Microscopy
PARASITE	-		/HPF	Absent	Microscopy
ARTIFACTS	-		/HPF	Absent	Microscopy

Comments : Please correlate clinically.
Interpretation Notes :
Instrumentation used for Chemistry test: Siemens Clinitek Advantus.

Note: "-" means Absent

Sample Type : *URINE*

End of Report

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HEMATOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
COMPLETE BLOOD COUNT (CBC)					
HEMOGLOBIN	14.3		g/dL	13.5 - 17.5	Spectrophotometry (Oxyhemoglobin)
RBC COUNT	5.5		10^6/µL	4.3 - 5.7	Electrical Impedance
HEMATOCRIT	44.7		%	38 - 50	Calculation
MCV	**81.3**	**L**	fL	82 - 98	Calculation
MCH	**26.0**	**L**	pg	27 - 32	Calculation
MCHC	32.0		g/dL	32 - 37	Calculation
RDW	14.5		%	11.8 - 15.6	Calculation
RDW-SD	41.1		fL		Calculation
MPV	10.2		fL	7.6 - 10.8	Calculation
PLATELET COUNT	157		10^3/uL	150 - 450	Electrical Impedance
PCT	0.2		%	0.01 - 9.99	Calculation
PDW	17.1		Not Applicable	0.1 - 99.9	Calculation
NUCLEATED RBC (NRBC)^	2.1		/100 WBC		Flow Cytometry
ABSOLUTE NRBC COUNT^	0.07		10^3/uL		Calculation
EARLY GRANULOCYTE COUNT (EGC)^	0.0		%		Flow Cytometry
ABSOLUTE EGC^	0.0		10^3/uL		Calculation
WBC COUNT	**3.5**	**L**	10^3/µL	4 - 11	Electrical Impedance
DIFFERENTIAL COUNT (DC)					
NEUTROPHILS	**28**	**L**	%	40 - 75	Flow Cytometry
LYMPHOCYTES	**63**	**H**	%	20 - 45	Flow Cytometry
EOSINOPHILS	3		%	0 - 6	Flow Cytometry
MONOCYTES	6		%	1 - 6	Flow Cytometry
BASOPHILS	0		%	0 - 1	Flow Cytometry
ABSOLUTE COUNT					
ABSOLUTE NEUTROPHIL COUNT	**0.9**	**L**	10^3/uL	1.6 - 8.25	Calculation
ABSOLUTE LYMPHOCYTE COUNT	2.2		10^3/uL	0.8 - 4.95	Calculation
ABSOLUTE MONOCYTE COUNT	0.5		10^3/uL	0.04 - 0.66	Calculation
ABSOLUTE EOSINOPHIL COUNT	0.1		10^3/uL	0 - 0.66	Calculation
ABSOLUTE BASOPHIL COUNT	0.1		10^3/uL	0 - 0.11	Calculation

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HEMATOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
COMPLETE BLOOD COUNT (CBC)					

Comments : Please correlate clinically.
Interpretation Notes : Please note update on CBC report format and changes in reference ranges.
Sample Type : *EDTA Whole Blood*

End of Report

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IMMUNOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology
HEPATITIS B SURFACE ANTIGEN (HBSAG)	0.46		COI	Non-Reactive: <0.9 Borderline: =/>0.9 - <1.0 Reactive: =/>1.0 Note changes in method and reference range. Source: Roche IFU.	ECLIA

Interpretation Notes :

A positive HBsAg test result means that the patient is infected with acute or chronic hepatitis B virus or chronic HBV carrier state.
A negative result implies the patient is not infected with hepatitis B.

HEPATITIS C ANTIBODIES	0.05		COI	Non-Reactive: <0.9 Borderline: =/>0.9 - <1.0 Reactive: =/>1.0 Source: Roche IFU.	ECLIA

Interpretation Notes :

A non-reactive screening test result does not exclude the possibility of exposure to or infection with HCV. Non-reactive screening results in individuals with prior exposure to HCV may be due to low antibody levels that are below the limit of detection of this assay or lack of reactivity to the HCV antigens used in this assay. Patients with acute or recent HCV infections (< 3 months from time of exposure) may have false-negative HCV antibody results due to the time needed for seroconversion (average of 8 - 9 weeks). Testing for HCV RNA and or RIBA is recommended.

A repeatedly reactive screening result is consistent with current HCV infection, or past HCV infection that has resolved, or biologic false positivity for HCV antibody. Testing for HCV RNA and or RIBA is recommended

HIV I & II ANTIBODY AND P24 ANTIGEN	0.2		S/CO	Non-Reactive: <1.0 Reactive: =/>1.0	ECLIA

Interpretation Notes :

1. A negative test result does not completely rule out the possibility of an infection with HIV. Serum or plasma samples from the very early (preseroconversion) phase or the late phase of HIV infection can occasionally
yield negative findings. Yet unknown HIV variants can also lead to a negative HIV finding. The presence of antibodies to HIV is not a diagnosis of AIDS.

2. For diagnostic purposes, the results should always be assessed in conjunction with the patient's medical history, clinical examination and other findings.

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JAYADEV C J
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IMMUNOLOGY

Test	Result	Flag	Unit	Reference Range	Methodology

3. This is a screening test.

Source: Roche Cobas IFU.

Sample Type : Serum

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