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Ms. NAREEKA KAINTH

PID NO : 44392
Age : 31 Years Sex : Female
DOB: 07-Aug-1994

Reference : Dr. AISHA UMER

Referred Client :
CITICARE MEDICAL CENTER
Unit G03, Al Barsha South Bldg, Al Barhsa South Third, Dubai

VID : 5080106310

Collected on :
20-Aug-2025 06:20 PM
Registered on :
21-Aug-2025 11:12 AM
Reported on :
21-Aug-2025 12:10 PM

Investigation	Observed Value	Flag	Unit	Biological Reference Interval	Method
COMPLETE BLOOD COUNT (CBC)					
HEMOGLOBIN	12.6		g/dL	12 - 15.5	Photometric
RBC COUNT	4.4		10^6/µL	3.9 - 5	Electrical Impedance
HEMATOCRIT	37.9		%	35 - 45	Calculation
MCV	86.7		fL	82 - 98	Calculation
MCH	28.4		pg	27 - 32	Calculation
MCHC	32.8		g/dL	32 - 37	Calculation
*** RDW**	14.7		%	11.9 - 15.5	Calculation
*** RDW-SD**	45.10		fL		Calculation
MPV	8.3		fL	7.6 - 10.8	Calculation
PLATELET COUNT	268		10^3/uL	150 - 450	Electrical Impedance
*** NUCLEATED RBC (NRBC)**	0.10		/100 WBC		VCS 360 Technology
*** ABSOLUTE NRBC COUNT**	0.01		10^3/uL		Calculation
TOTAL & DIFFERENTIAL COUNT (DC)					
WBC COUNT	8.6		10^3/µL	4 - 11	Electrical Impedance
NEUTROPHILS	56		%	40 - 75	VCS 360 Technology
LYMPHOCYTES	38		%	30 - 60	VCS 360 Technology
EOSINOPHILS	1		%	0 - 6	VCS 360 Technology
MONOCYTES	5		%	1 - 6	VCS 360 Technology
BASOPHILS	0		%	0 - 1	VCS 360 Technology
ABSOLUTE COUNT					
ABSOLUTE NEUTROPHIL COUNT	4.82		10^3/uL	1.6 - 8.25	Calculation
ABSOLUTE LYMPHOCYTE COUNT	3.27		10^3/uL	1.2 - 6.6	Calculation
ABSOLUTE MONOCYTE COUNT	0.43		10^3/uL	0.04 - 0.66	Calculation
ABSOLUTE EOSINOPHIL COUNT	0.09		10^3/uL	0 - 0.66	Calculation
ABSOLUTE BASOPHIL COUNT	0		10^3/uL	0 - 0.11	Calculation

***Sample Type**: EDTA Whole Blood*

DR. ADLEY MARK FERNANDES
M.D (Pathology)
Pathologist

DR. VYOMA SHAH
M.D (Pathology)
Clinical Pathologist

M RASHID CHENANGADATH
Laboratory Technologist

This is an Electronically Authenticated Report.

Printed on: 21-Aug-2025 01:18 PM

Test result pertains only to the sample tested and to be interpreted in the light of clinical history. These tests are accredited under ISO 15189 unless specified by (*). Test marked with # is performed in an accredited referral laboratory.

CAP ACCREDITED COLLEGE of AMERICAN PATHOLOGISTS
eiaci Emirates International Accreditation Centre
192 - LB-MED

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*** C-REACTIVE PROTEIN (CRP)** (Serum, Particle-enhanced immunoturbidimetric assay)	< 0.6		mg/L	< 5.0 Please note change. Source: Roche IFU.

INTERPRETATION :

- CRP measurements are used as aid in diagnosis, monitoring, prognosis, and management of suspected inflammatory disorders and associated diseases, acute infections and tissue injury.
- C-reactive protein is the classic acute phase protein in inflammatory reactions.
- CRP is the most sensitive of the acute phase reactants and its concentration increases rapidly during inflammatory processes. The CRP response frequently precedes clinical symptoms, including fever. After onset of an acute phase response, the serum CRP concentration rises rapidly and extensively. The increase begins within 6 to 12 hours and the peak value is reached within 24 to 48 hours. Levels above 100 mg/L are associated with severe stimuli such as major trauma and severe infection (sepsis).
- CRP response may be less pronounced in patients suffering from liver disease.
- CRP assays are used to detect systemic inflammatory processes (apart from certain types of inflammation such as systemic lupus erythematosus (SLE) and Colitis ulcerosa); to assess treatment of bacterial infections with antibiotics; to detect intrauterine infections with concomitant premature amniorrhexis; to differentiate between active and inactive forms of disease with concurrent infection, e.g. in patients suffering from SLE or Colitis ulcerosa; to therapeutically monitor rheumatic disease and assess anti-inflammatory therapy; to determine the presence of post-operative complications at an early stage, such as infected wounds, thrombosis and pneumonia, and to distinguish between infection and bone marrow transplant rejection."

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BHAVYA THENDANKANDY
Laboratory Technician

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IGE TOTAL ANTIBODY (Serum, ECLIA)	**74.9**	IU/mL	Refer to Table below in interpretation notes	

INTERPRETATION:
Age – wise Reference Range:

Age group	IU/mL
Neonates	<1.5
Infants in 1st year of life	<15
Children aged 1 - 5 years	<60
Children aged 6 - 9 years	<90
Children aged 10 - 15 years	<200
Adults	<100
Please note change in reference range (Source: Roche)	

1. Immunoglobulin E (IgE) is a type of antibody synthesized by plasma cells
2. IgE plays an important role in immunological protection against parasitic infections and in allergy (type 1 hypersensitivity).
3. The IgE concentration in serum is normally very low as IgE is the least abundant antibody in serum (0.05 % of the IgG concentration). The IgE concentration is age-dependent, with the lowest values being measured at birth. Its concentration gradually increases and becomes stabilized between the age of 5-7, although the IgE values vary greatly within particular age groups.
4. Elevated IgE concentrations are seen in patients with Type 1 hypersensitivity reactions such as Anaphylactic reactions (reaction to drugs, bee stings, latex, vaccines, or antigen preparation used in desensitization immunotherapy), allergic diseases such as hay fever, atopic bronchitis, asthma, food allergies, urticaria and dermatitis.
5. Increased IgE concentrations can also occur in non-allergic diseases, e.g. congenital immunodeficiency syndromes, HIV infection, graft-versus- host disease, severe burns, some inflammatory diseases, certain cancers and parasitic diseases.
6. Low IgE levels may be seen in auto-immune disorders.

Note: Samples should not be taken from patients receiving therapy with high biotin doses (i.e. > 5 mg/day) until at least 8 hours following the last biotin administration.

References:

1. Kit Insert
2. Dati F, Ringel KP. Reference values for serum IgE in healthy non- atopic children and adults. Clin Chem 1982;28(7):1556.
3. Gould HJ, Sutton BJ, Beavil AJ, Beavil RL, McCloskey N, Coker HA, et al. (2003). "The biology of IGE and the basis of allergic disease". Annual Review of Immunology. 21: 579–628

---------- End Of Report ----------

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