

Dr. Vinay Chopra
 MD (Pathology & Microbiology)
 Chairman & Consultant Pathologist

Dr. Yugam Chopra
 MD (Pathology)
 CEO & Consultant Pathologist

| | | | |
|-----------------------|--|--------------------------|------------------------|
| NAME | : Miss. KIRTI SHARMA | PATIENT ID | : 1567563 |
| AGE/ GENDER | : 27 YRS/FEMALE | REG. NO./LAB NO. | : 012408010047 |
| COLLECTED BY | : | REGISTRATION DATE | : 01/Aug/2024 02:13 PM |
| REFERRED BY | : | COLLECTION DATE | : 01/Aug/2024 02:28PM |
| BARCODE NO. | : 01514263 | REPORTING DATE | : 01/Aug/2024 06:10PM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | | |
| CLIENT ADDRESS | : 6349/1, NICHOLSON ROAD, AMBALA CANTT | | |

| Test Name | Value | Unit | Biological Reference interval |
|-----------|-------|------|-------------------------------|
|-----------|-------|------|-------------------------------|

IMMUNOPATHOLOGY/SEROLOGY

IMMUNOGLOBIN IgE

IMMUNOGLOBIN-E (IgE): SERUM

> 2500^H

IU/mL

0.0 - 200.0

by CLIA (CHEMILUMINESCENCE IMMUNOASSAY)

INTERPRETATION:

COMMENTS:

1. IgE antibodies mediate allergic diseases by sensitizing mast cells and basophils to release histamine and other inflammatory mediators on exposure to allergens.
2. Total IgE represents the sum of all the specific IgE, which in turn includes many groups of specific IgE & allergen specific IgE is just one such group amongst them.
3. Total IgE determination constitutes a screening method of atopic diseases, although within range values of total IgE do not exclude the existence of atopy and high values of total IgE are not pathognomonic of atopy by themselves.
4. Antigen-specific IgE is the next step in the in vitro identification of the responsible allergen. There are more than 400 characterized known allergens available for in vitro diagnostic tests and testing to be selected based on symptoms, clinical & environmental details.
5. In adults, Total IgE values between 100 to 1000 IU/ml may not correlate with allergen specific IgE, where the patients may be just sensitized to different allergen or often the cause for high IgE could be non-atopic.
6. Specific IgE results obtained with the different methods vary significantly, hence followup testing to be performed using one laboratory only.
7. The probability of finding an increased level of IgE in serum in a patient with allergic disease varies directly with the number of different allergens to which the patient is sensitized.
8. A normal level of IgE in serum does not eliminate the possibility of allergic disease; this occurs if there is sensitivity to a limited number of allergens and limited end organ involvement.

INCREASED:

1. Atopic/Non Atopic Allergy
2. Parasitic Infection.
3. IgE Myeloma
4. Allergic bronchopulmonary aspergillosis.
5. The rare hyper IgE syndrome.
6. Immunodeficiency States and Autoimmune states

USES:

1. Evaluation of children with strong family history of allergies and early clinical signs of disease.
2. Evaluation of children and adults suspected of having allergic respiratory disease to establish the diagnosis and define the allergens.
3. To confirm clinical expression of sensitivity to foods in patients with Anaphylactic sensitivity or with Asthma, Angioedema or Cutaneous disease.
4. To evaluate sensitivity to insect venom allergens particularly as an aid in defining venom specificity in those cases in which skin tests are equivocal.
5. To confirm the presence of IgE antibodies to certain occupational allergens.




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| BARCODE NO. | : 01514263 | REPORTING DATE | : 03/Aug/2024 08:47AM |
| CLIENT CODE. | : KOS DIAGNOSTIC LAB | | |
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ASPERGILLUS ANTIBODY IgG

ASPERGILLUS ANTIBODY IgG
 by ELISA (ENZYME LINKED IMMUNOASSAY)

18.5^H

Iu/mL

< 10.00

INTERPRETATION:

| | | |
|-----------|------|------------|
| NEGATIVE | U/ml | <8.0 |
| EQUIVOCAL | U/ml | 8.0 - 12.0 |
| POSITIVE | U/ml | >12.0 |

- 1.Aspergillus organism has the ability to produce a wide spectrum of infections including Mycotoxicosis, allergic manifestations, localized non-invasive infection in normal host and invasive infection in the compromised host.
- 2.Aspergillus fumigatus is the most common species associated with human diseases followed by Aspergillus flavus.
- 3.Lung Aspergillosis includes Primary pulmonary aspergillosis, Acute invasive pulmonary disease, Aspergillus pseudotuberculosis,Chronic necrotizing pulmonary aspergillosis and Aspergilloma.

NOTE:

All positive results should be confirmed by microbiologic and clinical evaluation. False positive results are commonly seen in children and in patient on antimicrobial therapy like Piperacillin- Tazobactam and Amoxicillin-Clavulanate.




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ASPERGILLUS ANTIBODY IgM

ASPERGILLUS ANTIBODY IgM
 by ELISA (ENZYME LINKED IMMUNOASSAY)

17.2^H

Iu/mL

< 10.00

INTERPRETATION:

| | | |
|-----------|------|------------|
| NEGATIVE | U/ml | <8.0 |
| EQUIVOCAL | U/ml | 8.0 - 12.0 |
| POSITIVE | U/ml | >12.0 |

- 1.Aspergillus organism has the ability to produce a wide spectrum of infections including Mycotoxicosis, allergic manifestations, localized non-invasive infection in normal host and invasive infection in the compromised host.
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*** End Of Report ***





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