Investigation | Observed Value | Unit | Biological Reference Interval
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D-DIMER Quantitative | 0.93 | µg/ml (FEU) | 0.0-0.5

**Medical Remarks:** Please correlate clinically.

**Interpretation:**
1. D-dimer is a fibrin degradation product, a small protein fragment present in the blood after a blood clot is degraded by fibrinolysis. The product increases in conditions inducing inappropriate fibrinolysis.
2. This assay can aid in the diagnosis of Deep Vein Thrombosis (DVT) & pulmonary embolism (PE). The test results should be correlated with imaging studies (e.g. Colour Doppler). The negative predictive value (NPV) with a cut off of 0.5 µg/ml is 95 to 100% for DVT & PE.
3. Elevated D-dimer is seen in hypercoagulability, DVT (Deep Vein Thrombosis), DIC (Disseminated Intravascular Coagulation), recent surgery, trauma or infection.

**Limitations:**
1. **False Negative:** Anticoagulant therapy
2. **False Positive:** Elderly, Liver disease, Pregnancy, Eclampsia, Heart disease, Rheumatoid arthritis, Some cancers, High triglycerides, Hemolysis, Lipemia, Hyperbilirubinemia

Ferritin | 1723 | ng/mL | 21.81-274.66

**(Serum, ECLIA)**

**Interpretation:**
1. Increased ferritin is seen in iron overload as in multiple blood transfusions, hemochromatosis and anemia of chronic disorders.
2. Decreased ferritin levels are seen in iron deficiency anemia, early stage before iron deficiency manifests as anemia.
3. Increased ferritin is also seen in liver disease, alcoholism, inflammatory conditions, leukemia, Hodgkin’s disease and some malignancies.
4. Levels of ferritin are used for monitoring of iron levels during pregnancy, dialysis and during iron therapy.

**Interleukin -6 CLIA EDTA Plasma | 70.75 | pg/mL | 0.00-7.00**

**(EDTA PLASMA, ECLIA)**

Interleukin-6 (IL-6) is an interleukin that acts as both a pro-inflammatory and anti-inflammatory cytokine. It is secreted by T cells and macrophages to stimulate immune response to trauma, especially burns or other tissue damage leading to inflammation. Elevated levels are observed in a variety of inflammatory processes, including infections and collagen vascular diseases.

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**Reference:** Dr. SELF
Sample Collected At: SHAHID SCANS NO.161, AGS COLONY, ECR ROAD, KOTTIVAKKAM, CHENNAI - 600041.

Mr. ABDULLA
PID NO: P1572100024901
Age: 70.0 Year(s) Sex: Male

**VID:** 15721200007555
Registered On: 17/06/2021 12:04 PM
Collected On: 17/06/2021 12:04 PM
Reported On: 17/06/2021 06:02 PM

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Consultant Pathologist

**Dr. Veena Singh**
MD Pathology, DM