

## عنوان مقاله:

Leukocytes Parameters, CRP, and Ferritin in Iranian Patients with COVID-19 Infection; A Cross-sectional Study

# محل انتشار:

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### خلاصه مقاله:

Background and Objective: Coronavirus disease known as COVID-19 pandemic is caused by severe acute respiratory syndrome coronavirus Y (SARS-CoV-Y), which is affecting over Y.o. countries all over the world. This study was aimed to identify simple and swiftly available laboratory biomarkers to help facilitate effectual triage to categorize suspected COVID-19 patients. Materials and Methods: According to a standard protocol, we collected clinical, etiological, and laboratory data of 14° patients who underwent diagnostic tests at Medical Laboratory Group, Tehran, Iran, from October 1 to November YA, YoYo, based on PCR testing for SARS-CoV-Y infection. Leukocyte parameters, C-reactive protein (CRP) and, ferritin levels were measured in patients with positive PCR COVID-19 test. Results: 150 patients with COVID-19 infection were included in the study. The median age in women was F1. \( \text{YP-F0} \) years and F4. \( \text{YY-FA} \) years in men. Based on RT-PCR result, there were significant differences for neutrophil, lymphocyte, and monocyte counts. Overall, YY.A% of patients had monocyte count more than 11 ×109 /L. The mean neutrophil lymphocyte ratio (NLR) for women was Y.A (SD: 1.A) and Y.F (SD: 1.V) for men. Only in 12 patients (10.Y%) with respiratory symptoms, CRP level was more than a mg/L. Conclusion: We found a significant increase in monocyte count. Lymphopenia was .also observed. In patients with respiratory symptoms, CRP was significantly higher than the normal reference range

# كلمات كليدى:

Acute respiratory distress syndrome, Coronavirus, Cytokine release syndrome, Lymphopenia, Real Time PCR, Severe acute respiratory syndrome, سندرم دیسترس حاد تنفسی, ویروس كرونا, سندرم رهش سيتوكين, لنفويني, PCR Real Time, سندرم حاد تنفسي https://civilica.com/doc/1253666

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