

عنوان مقاله:

The Relationship of Serum levels of Vascular Endothelial Growth Factor with Disease Severity and the Number of Exacerbations in COPD Patients

محل انتشار:

مجله دانشگاه علوم پزشکی کرمان، دوره 24، شماره 3 (سال: 1396)

تعداد صفحات اصل مقاله: 6

نویسندگان:

Seyed-Mehdi Hashemi-Bajgani - *Assistant Professor of Internal Medicine, Afzalipour Hospital, Kerman University of Medical Sciences, Kerman, Iran*

Mitra Samareh Fekri - *Associate Professor of Pulmonology, Cardiovascular Research Center, Institute of Basic and Clinical Physiology Sciences, Kerman University of Medical Sciences, Kerman, Iran*

Hadi Zeydabadi - *General Practitioner, Afzalipour Hospital Research Center, Kerman University of Medical Sciences, Kerman, Iran*

Mohammad Rahmatian - *Master of Nursing, Vice-Chancellor for Curative Affairs, Kerman University of Medical Sciences, Kerman, Iran*

Arian Amirkhosravi - *Department of Pharmacology & Toxicology, School of Pharmacy, Kerman University of Medical Sciences, Kerman, Iran*

خلاصه مقاله:

Background: Chronic Obstructive Pulmonary Disease (COPD) is a chronic lung disease characterized by progressive and irreversible obstruction of the airways of the lungs. Different studies have emphasized on the role of Vascular Endothelial Growth Factor (VEGF) in COPD patients. The aim of this study was to investigate the relationship of this factor with disease severity and the number of exacerbations in COPD patients. Methods: This study is a Cross-sectional study on patients with chronic obstructive pulmonary disease referred to Besat clinic in Kerman in ۲۰۱۳-۲۰۱۴. After performing spirometry and confirming COPD diagnosis by a pulmonologist and obtaining consent form patients, blood samples were taken and level of VEGF was measured by ELISA method. Results: Mean serum level of VEGF in patients was 160 ± 156.6 $\mu\text{g/ml}$. More disease severity was associated with higher level of VEGF, but this association was not significant. No relationship was found between the number of exacerbations and VEGF level. Conclusion: The results of our study showed that serum levels of VEGF increases in COPD patients, but there is not a significant correlation between serum levels of VEGF and the severity of the disease and the number of exacerbations.

کلمات کلیدی:

Vascular Endothelial Growth Factor (VEGF), COPD, severity, Exacerbation

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1583204>



