

## **Clinical and Epidemiological Profile of Patients with Chronic Obstructive Pulmonary Disease in a Medical Institution from the City of Medellin, Colombia**

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**Abstract :** Chronic obstructive pulmonary disease is common condition, characterized by a persistent blockage of airflow, partially reversible and progressive, that represents 5% of total deaths around the world, and it is expected to become the third leading cause of death by 2030. Objective: To establish the clinical and epidemiological profile of patients with chronic obstructive pulmonary disease in a medical institution from the city of Medellin, Colombia. Methods: A cross-sectional study was performed, with a sample of 50 patients with a diagnosis of chronic obstructive pulmonary disease in a private institution in Medellin, during 2015. The software SPSS vr. 20 was used for the statistical analysis. For the quantitative variables, averages, standard deviations, and maximum and minimum values were calculated, while for ordinal and nominal qualitative variables, proportions were estimated. Results: The average age was  $73.5 \pm 9.3$  years, 52% of the patients were women, 50% of them had retired, 46% were married and 80% lived in the city of Medellín. The mean time of diagnosis was  $7.8 \pm 1.3$  years and 100% of the patients were treated at the internal medicine service. The most common clinical features were: 36% were classified as class D for the disease, 34% had a FEV1 <30%, 88% had a history of smoking and 52% had oxygen therapy at home. Conclusion: It was found that class D was the most common, and the majority of the patients had a history of smoking, indicating the need to strengthen promotion and prevention strategies in this regard.

**Keywords :** pulmonary disease, chronic obstructive, pulmonary medicine, oxygen inhalation therapy

**Conference Title :** ICMP 2016 : International Conference on Multispecialty Pathology

**Conference Location :** Miami, United States

**Conference Dates :** December 05-06, 2016