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## 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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**Introduction:** Chronic obstructive pulmonary disease is a common condition, characterized by a persistent blockage of airflow, partially reversible and progressive, that represents 5% of the total deaths around the world, and 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. For the statistical analysis, the software SPSS ver.20 was used. For the quantitative variables mean, standard deviations, and minimum and maximum 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 Medellin. 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% 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.

### Biography

Camilo Ruiz Mejia has completed his high school studies at from Colegio Calasanz de Medellin and is currently a third year Medical student at Universidad Pontificia Bolivariana. He is an active Member of the Systems Biology Research Group at Universidad Pontificia Bolivariana, Colombia.

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