Smoking Cessation Clinics as an Aid for Early Diagnosis of Chronic Obstructive Pulmonary Disease

Las consultas de deshabitación tabáquica como ayuda al diagnóstico precoz de la enfermedad pulmonar obstructiva crónica

To the Editor,

Underdiagnosis of chronic obstructive lung disease (COPD) is an ongoing problem that has changed little in recent years.\(^1\)\(^2\) The GesEPOC guidelines\(^3\) recommend spirometry testing for all smokers with a habit $\geq 35$ years and an accumulated consumption $\geq 10$ pack-years. Furthermore, smoking cessation is the most effective method of arresting pulmonary decline in COPD. Smoking cessation clinics are the ideal place to perform early screening, and the patients attending these units frequently meet these criteria.

We reviewed the records of 619 patients who attended our smoking cessation unit in the 8 years since it was set up. In this clinic, patients are followed up for 6 months, and pharmacological prescriptions for cessation are offered, in accordance with the SEPAR guidelines.\(^4\) Patients were mainly referred from respiratory medicine clinics (34.1%) and from the program for healthcare personnel (28.7%). A total of 54.1% were women, mean age was 47.79 years, and mean consumption was 26.20 cigarettes/day (accumulated consumption 43.10). Subjects had taken up smoking at the age of 16.75 years, physical dependence was moderate (Fagerström test 5.79) and motivation according to the Richmond test was 8.05. We detected functional lung test parameters indicative of COPD\(^5\) (FEV\(_1\) 63.05%; FEV\(_1\)/FVC 60.98%) in 18 patients (7.31%) with no previous diagnosis of lung disease. Five of these patients were referred from sources other than respiratory medicine and primary care centers, and 4 were workers in our own clinic; 72.1% were men, mean age was 53.1 years, consumption was 33.29 cigarettes/day, and age at onset of smoking habit was 16.79 years (67.78 pack-years). Mean physical dependence was 6.26, and motivation, according to the Richmond test, was 7.82. Only 39% met clinical criteria for chronic bronchitis. A total of 65% of our overall series achieved continuous abstinence at 6 months, while this figure rose to 77.8% in the group with recent diagnosis of COPD.

In spite of attempts to reduce the underdiagnosis of COPD, the numbers have changed little in recent years. Routine spirometry testing in smoking cessation clinics is another strategy for improving COPD diagnosis, and may help to identify smokers with undetected disease. Moreover, a new diagnosis determined at the time of starting a smoking cessation program contributes to an improvement in success rates, as the patient is more aware of the health risk. This trend could be observed in the abstinence figures in our 2 groups, although no comparisons could be made due to small sample sizes. Accordingly, we recommend that spirometry testing be performed in all patients attending the smoking cessation clinics of respiratory medicine departments, since this can be a source of an appreciable number of new COPD cases.

References


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