From the authors:

We would like to thank T.L. Petty for his interesting comments regarding our trial of ambulatory oxygen (AO) in chronic obstructive pulmonary disease (COPD) [1]. The question raised by T.L. Petty was the following: when is the best time to initiate AO in oxygen-dependent COPD? He suggested AO should be provided as early as possible after the introduction of long-term oxygen therapy (LTOT) to avoid rapid adjustment to the limitations imposed by the stationary oxygen delivery system.

Unfortunately, inappropriate prescription of LTOT is not unusual [2]. Our trial strictly targeted oxygen-dependent patients. Thus, to be included, patients had to be on LTOT for ≥3 months. This was to avoid the inclusion of patients who were prescribed oxygen following an acute exacerbation of the disease and who may not fulfil LTOT criteria upon re-evaluation. Therefore, at study entry, our patients were not oxygen naive.

The problem is that oxygen dependence cannot be easily confirmed in oxygen-naive patients. In our experience, acute exacerbation precedes the prescription of LTOT in most patients, i.e. during a period of clinical instability. In addition, ≥30% of patients meeting criteria for domiciliary oxygen after 1 month of apparent stability no longer met the same criteria after an additional 3 months of observation [3]. Whether provision of AO to oxygen-dependent patients would have an effect on quality of life if it was introduced earlier would pose important, methodological problems to clinical trials.

In conclusion, we would rather ask the following question: what is the best way of initiating ambulatory oxygen in oxygen-dependent chronic obstructive pulmonary disease? In this regard, we agree with T.L. Petty that it would be of interest to evaluate whether pulmonary rehabilitation in conjunction with ambulatory oxygen could facilitate compliance and further improve quality of life.

Y. Lacasse and F. Maltais
Centre de recherche, Hôpital Laval, Institut universitaire de cardiologie et de pneumologie de l’Université Laval, Québec, Canada

REFERENCES

DOI: 10.1183/09031936.05.00073305

Randomised trial of ambulatory oxygen in oxygen-dependent COPD

To the Editors:

I read with interest the article by Lacasse et al. [1], which found no benefit in using ambulatory oxygen (AO) in chronic obstructive pulmonary disease. I think that there were not enough patients in the study not to recommend its use. The authors have not shown the variations of oxygen saturation during the 6-minute walking test (6MWT). Oxygen therapy may improve exercise capacity in patients with desaturation during the walking test [2].

Liquid oxygen is better than gas from cylinders for AO therapy. The Enright and Sherill [3] reference values of a 6MWT are very different from those of Troosters et al. [4] or Gibbons et al. [5]. The latter references may be preferable because the equation by Enright and Sherill [3] gives smaller values. In my opinion, the average partial pressure of oxygen at rest of the patients, 7.0 kPa (53 mmHg), was not very low. In patients with severe hypoxaemia, the results could possibly differ.

I believe that ambulatory oxygen therapy in chronic obstructive pulmonary disease should depend on each patient. A certain subgroup of patients with chronic obstructive pulmonary disease might benefit from ambulatory oxygen. The 6-minute walking test is a prognostic tool that gives a valuable insight into the normal activities of daily living.

I. García-Talavera
Investigation Unit, Candelaria University Hospital, Santa Cruz de Tenerife, Spain

REFERENCES
Cystic lesions of the lung: a forgotten menace

To the Editors:

We read with interest the article by Battistini et al. [1] concerning a young female with spontaneous pneumothorax as the presenting feature of pulmonary lymphangioleiomyoma, which appeared in a previous issue of the European Respiratory Journal. The differential diagnoses, which included lymphangioleiomyoma, tuberous sclerosis and Langerhans cell histiocytosis or eosinophilic granuloma, were based on bilateral cystic pulmonary lesions on high-resolution computed tomography, which were slow to progress, as well as the relatively normal pulmonary function tests [2].

We recall a 46-yr-old male who presented to us with left spontaneous pneumothorax, followed 2 days later by the development of contralateral pneumothorax. A computed...