2014 GesEPOC and Systemic Steroids in Chronic Obstructive Pulmonary Disease (COPD) Exacerbation: An Update

**Actualización de GesEPOC 2014 y corticoides sistémicos en la agudización de enfermedad pulmonar obstructiva crónica (EPOC)**

To the Editor,

We have read the latest version of the Spanish guidelines on COPD (GesEPOC), published recently (January 2014) in Archivos de Bronconeumología.1 When the AUDIPOC study was published in July 2012, we observed that there was little homogeneity in the management of COPD exacerbation at the national level.2 A more rigorous review of the published data revealed that this variability also exists in the use of systemic corticosteroids during exacerbations. In the 2014 update, GesEPOC clinical guidelines propose a change in systemic corticosteroid treatment during exacerbations. Thus, the original version recommended a short course of 7–10 days,3 while in the 2014 update, the guidelines support the use of “short 5-day courses for […] exacerbations that do not require hospitalization”.

We believe that this change is based essentially on data from the REDUCE clinical trial,4 which compared treatment with a short 5-day course of 40 mg of prednisone versus a 14-day course during exacerbations. The trial showed a similar reexacerbation rate, with the advantage of lower exposure to corticosteroids and very similar findings as regards outcomes (hospital stay and deaths).

We agree that exacerbations can be managed with lower doses and shorter treatment times than those used in routine clinical practice. At the same time, we consider that this conclusion, currently limited by the guidelines to outpatients, could also be extended to some patients with more severe exacerbations who require hospital admission. In the REDUCE clinical trial, of the 314 patients who attended the Emergency Department (311 evaluated) and were randomized to receive a short or long corticosteroid regimen, 289 (92%) patients were admitted to hospital. The groups were adequately balanced with respect to COPD severity (GOLD 2, 3 and 4 in both groups) and clinical presentation (vital signs, oxygenation on admission, leukocytosis).

The meta-analysis published by Cheng et al.5 also reinforces the hypothesis that lower doses of corticosteroids (30–80 mg of prednisolone for 5 days) can be safely used in inpatients with COPD exacerbation.

This meta-analysis and the REDUCE clinical trial are perhaps the only studies to support short in-hospital regimens, and further research will probably be required to confirm this in special populations (e.g. patients with persistent bronchospasm). However, we consider that GesEPOC guidelines should include this patient population, and indicate that this treatment regimen is not limited to outpatients treated for COPD exacerbation.

**References**


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**Peripheral Intrapulmonary Lipoma: A Case Report**

**Lipoma intrapulmonar periférico: reporte de un caso**

To the Editor,

Endobronchial pulmonary lipomas are rare, and intraparenchymal endobronchial lipomas are even more so. We report the case of a 62-year-old housewife, never-smoker, with a history of vaginitis, psoriasis, hypertension and hysterectomy. During a private health check-up, a chest X-ray revealed a radiopaque mass, 4 cm × 3 cm, with defined borders in the right lung base. She was referred to the Instituto Oncológico Nacional Dr. Juan Tanca Marengo, in Guayaquil, Ecuador. Lung auscultation revealed reduced breath sounds in the right lung base. Other physical examination parameters were normal. Hematology, biochemistry, tumor marker (CEA, CYFRA 21-1, NSE) and lung function test results were within normal values. Chest computed tomography (CT) showed a formation of soft tissues with attenuation coefficient for fat and irregular outline in the right posterior basal segment, containing a 4 cm × 3 cm macrocalcification. The patient underwent right thoracotomy, revealing a tumor in the right posterior basal section of the lung. Right lower lobectomy was performed, with no postsurgical complications. Pathology study of the sample reported intraparenchymal lipoma.

Pulmonary lipomas are thought to represent 0.1%–0.5% of all lung tumors. They occur within the bronchus and very occasionally in the lung periphery.1 According to Watts, Claggett and MacDonald, lipomas in the lung parenchyma or below the pleura...
may develop from the fat that is often found in the smaller
bronchi.2

Few cases of peripheral intrapulmonary lipomas have been pub-
lished, and the limited literature makes it difficult to diagnose these
cases and provide appropriate treatment. Most cases recorded
involve chance discovery and diagnosis after surgical resection. The
first case reported in the literature, to the best of our knowledge,
was a description of an autopsy finding by Buchmam in 1911.2
In 1989, Hirata declared that the treatment of peripheral lipoma
was limited to surgical intervention,3 while in 2004, Wood et al.3

found that surgical intervention for diagnostic purposes could be
avoided by careful review of the radiological records. These same
authors also pointed out that the differential diagnosis of a fatty
peripheral pulmonary mass must include not only lipoma, but also
fibrolipoma-hamartoma and liposarcoma.3

Our case was a patient with no previous radiological records and
a radiopaque intrapulmonary mass, so the only reliable approach
for reaching an accurate diagnosis and confirming or ruling out
malignancy was pathological analysis (Fig. 1).

Conflict of Interests

We confirm that we have no conflict of interests with any con-
stitutional government, that no pharmaceutical or medical
company was involved in this report.

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Situs Inversus With Pulmonary Atelectasis

Situs inversus asociado a aletectasis pulmonar

To the Editor,

Situs inversus totalis (SIT) is an uncommon congenital disease
in which the positions of the chest and abdominal organs are
reversed.1 Situs inversus (SI) is an autosomal recessive genetic
condition that occurs in only about 0.001%–0.01% of the general
population.2 This rare genetic anomaly is usually described or diag-
nosed by chance during chest or abdominal imaging procedures.
We report a case of right pulmonary atelectasis in which the heart,
spleen and liver were located right of midline.

A 46-year-old man, non-smoker with no particular complaints
was referred to our department due to an abnormal chest X-ray
showing dextrocardia and homogeneous opacity in the mid-right
lung. Chest computed tomography (CT) showed segmentary alete-
tasis, extending from the right lower lobe to the right middle lobe
(Fig. 1). Heart and spleen were also observed right of midline,
while the liver was on the left. These findings were consistent with

SIT. Fiberoptic bronchoscopy revealed the lack of an upper lobe
in the right lung, but it is interesting to note that the structure of
the upper lobe of the left lung was normal, i.e., it had 3 segments;

Fig. 1. Chest computed tomography showing soft tissue mass with attenuation
coefficient for fat and irregular outline, containing a macrocalcification measuring
4 cm x 3 cm.

Fig. 1. Chest computed tomography showing segmentary atelectasis extending
from the right lower lobe to the right middle lobe.

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