TITLE: Clinical Management of Hospitalized Patients with Chronic Obstructive Pulmonary Disease: Guidelines

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RESEARCH QUESTION

What are the evidence-based guidelines regarding optimal management of hospitalized patients with chronic obstructive pulmonary disease?

KEY MESSAGE

The identified systematic reviews and evidence-based guidelines examine a range of treatment options and protocols regarding optimal management of hospitalized patients with chronic obstructive pulmonary disease.

METHODS

A limited literature search was conducted on key health technology assessment resources, including PubMed, the Cochrane Library (Issue 2, 2011) University of York Centre for Reviews and Dissemination (CRD) databases, ECRI (Health Devices Gold), EuroScan, international health technology agencies, and a focused Internet search. The search was limited to English language articles published between January 1, 2006 and February 25, 2011. Filters were applied to limit the retrieval to health technology assessments, systematic reviews, meta-analyses and guidelines. Internet links were provided, where available.

RESULTS

Rapid Response reports are organized so that the higher quality evidence is presented first. Therefore, health technology assessment reports, systematic reviews, and meta-analyses are presented first. These are followed by evidence-based guidelines.

Five systematic reviews and five evidence-based guidelines were identified regarding optimal management of hospitalized patients with chronic obstructive pulmonary disease. No relevant
health technology assessments were identified. Additional articles of potential interest can be found in the appendix.

**Health technology assessments**
No literature identified.

**Systematic reviews and meta-analyses**

   PubMed: PM20113757

   PubMed: PM20367712

   PubMed: PM19160195

   PubMed: PM18321904

   PubMed: PM17407610

**Guidelines and recommendations**

   See: Algorithm 3: Managing exacerbations of COPD, page 57  
   Summary available from: http://www.guidevant.gov/content.aspx?Id=23801

See: X2.2.1 Inhaled bronchodilators for treatment of exacerbations, page 49, X2.2.3 Antibiotics for treatment of exacerbations, page 50-51, X3.2 Non-invasive positive pressure ventilation and X3.3 Invasive ventilation (intubation), page 52

See: section Acute Exacerbations of COPD, in-hospital management

See: Hospital Management

See: Pharmacological Management, and Non-Pharmacological Management

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APPENDIX – FURTHER INFORMATION:

Non-randomized studies


Review articles