

Global Physiology and Pathophysiology of Cough: Part 1: Cough Phenomenology - CHEST Guideline and Expert Panel Report.

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Published by Elsevier Inc under license from the American College of Chest Physicians. 2020 The
purpose of this state-of-the-art review is to update the American College of Chest Physicians 2006
guideline on global physiology and pathophysiology of cough. A review of the literature was
conducted using PubMed and MEDLINE databases from 1951 to 2019 and using prespecified
search terms. We describe the basic phenomenology of cough patterns, behaviors, and
morphological features. We update the understanding of mechanical and physiological
characteristics of cough, adding a contemporary view of the types of cough and their associated
behaviors and sensations. New information about acoustic characteristics is presented, and recent
insights into cough triggers and the patient cough hypersensitivity phenotype are explored. Lastly,
because the clinical assessment of patients largely focuses on the duration rather than
morphological features of cough, we review the morphological features of cough that can be
measured in the clinic. This is the first of a two-part update to the American College of Chest
Physicians 2006 cough guideline; it provides a more global consideration of cough phenomenology,
beyond simply the mechanical aspects of a cough. A greater understanding of the typical features
of cough, and their variations, may allow a more informed interpretation of cough measurements
and the clinical relevance for patients.