



Filipe Barata

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Publications (7)

Bösch M, Rassouli F, Baty F, Schwärzler A, Widmer S, Tinschert P, Shih I, Cleres D, Barata F, Fleisch E, Brutsche M. Smartphone-based cough monitoring as a near real-time digital pneumonia biomarker. *ERJ Open Res* 2023; 9

Barata F, Cleres D, Tinschert P, Shih I, Rassouli F, Bösch M, Brutsche M, Fleisch E. Nighttime continuous contactless smartphone-based cough monitoring for the ward: A validation study. *JMIR Form Res* 2023

Jokic S, Cleres D, Rassouli F, Steurer-Stey C, Puhan M, Brutsche M, Fleisch E, Barata F. TripletCough: Cougher Identification and Verification From Contact-Free Smartphone-Based Audio Recordings Using Metric Learning. *IEEE J Biomed Health Inform* 2022; 26:2746-2757.

Tinschert P, Rassouli F, Barata F, Steurer-Stey C, Fleisch E, Puhan M, Kowatsch T, Brutsche M. Nocturnal Cough and Sleep Quality to Assess Asthma Control and Predict Attacks. *J Asthma Allergy* 2020; 13:669-678.

Rassouli F, Tinschert P, Barata F, Steurer-Stey C, Fleisch E, Puhan M, Baty F, Kowatsch T, Brutsche M. Characteristics of Asthma-related Nocturnal Cough: A Potential New Digital Biomarker. *J Asthma Allergy* 2020; 13:649-657.

Barata F, Tinschert P, Rassouli F, Steurer-Stey C, Fleisch E, Puhan M, Brutsche M, Kotz D, Kowatsch T. Automatic Recognition, Segmentation, and Sex Assignment of Nocturnal Asthmatic Coughs and Cough Epochs in Smartphone Audio Recordings: Observational Field Study. *J Med Internet Res* 2020; 22:e18082.

Tinschert P, Rassouli F, Barata F, Steurer-Stey C, Fleisch E, Puhan M, Brutsche M, Kowatsch T. Prevalence of nocturnal cough in asthma and its potential as a marker for asthma control (MAC) in combination with sleep quality: protocol of a smartphone-based, multicentre, longitudinal observational study with two stages. *BMJ Open* 2019; 9:e026323.

Projects (2)

Smartphone-Enabled Detection of COugh in COvid-19 (COCO): An Exploratory, Single-Center, Observational Cohort Study

Clinical Studies - Dec 3, 2020 - Dec 3, 2020

Automatically Closed

COugh During and after acute EXacerbation of chronic obstructive pulmonary disease (CODEX) study

Clinical Studies - Sep 8, 2020 - Jul 1, 2021

Automatically Closed

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