

Oct 20, 2021

Paraoxonase 1 and chronic obstructive pulmonary disease: A meta-analysis (protocol)

DOI

<https://dx.doi.org/10.17504/protocols.io.bza3p2gn>

Jun Watanabe¹, Kazuhiko Kotani¹, Alejandro Gugliucci²

¹Division of Community and Family Medicine, Jichi Medical University, Tochigi, Japan;

²Glycation, Oxidation and Disease Laboratory, Touro University-California, CA, USA



Jun Watanabe

Department of Surgery, Division of Gastroenterological, Gene...

Create & collaborate more with a free account

Edit and publish protocols, collaborate in communities, share insights through comments, and track progress with run records.

Create free account

OPEN  ACCESS



DOI: <https://dx.doi.org/10.17504/protocols.io.bza3p2gn>

Protocol Citation: Jun Watanabe, Kazuhiko Kotani, Alejandro Gugliucci 2021. Paraoxonase 1 and chronic obstructive pulmonary disease: A meta-analysis (protocol). **protocols.io** <https://dx.doi.org/10.17504/protocols.io.bza3p2gn>

License: This is an open access protocol distributed under the terms of the **Creative Commons Attribution License**, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited

Protocol status: Working

We use this protocol and it's working

Created: October 20, 2021

Last Modified: October 20, 2021

Protocol Integer ID: 54331

Keywords: antioxidant, arylesterase, chronic obstructive lung disease, reactive oxygen species, paraoxonase, pon1 activity in copd, available studies on pon1 activity, chronic obstructive pulmonary disease, patients with stable copd, oxidative stress, pon1 activity, copd, potential biomarker of this disease, paraoxonase, potential biomarker, stable copd, antioxidant enzyme, pon1, factor in the pathophysiology

Abstract

Introduction: Oxidative stress is a driving factor in the pathophysiology of chronic obstructive pulmonary disease (COPD). While paraoxonase 1 (PON1) is an antioxidant enzyme, a potential biomarker of this disease, data regarding the relationship of PON-1 with COPD appear to show some controversy. In this regard, to shed light on this issue, we will aim to perform a meta-analysis of data on PON1 activity in COPD.

Methods: Electronic databases (MEDLINE, Embase and CENTRAL) will be searched for available studies on PON1 activity in patients with stable COPD published before October 2021. A meta-analysis will be performed using random-effects models.

Attachments



Paraoxonase 1 and ch...

205KB

