FEB 25, 2021

OPEN ACCESS

DOI:
dx.doi.org/10.17504/protocols.io.bsrrnd5n

Protocol Citation: Yeseong Kim, Fahmi Shibli, Takafumi Kubota 2021. Efficacy of proton pump inhibitor (PPI) therapy in treating sleep disturbances in patients with gastroesophageal reflux disease (GERD): a systematic review and meta-analysis.

protocols.io
<https://dx.doi.org/10.17504/protocols.io.bsrrnd5n>

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: Feb 25, 2021

Last Modified: Feb 25, 2021

PROTOCOL integer ID:
 47631

🌐 Efficacy of proton pump inhibitor (PPI) therapy in treating sleep disturbances in patients with gastroesophageal reflux disease (GERD): a systematic review and meta-analysis

Yeseong Kim¹, Fahmi Shibli¹, Takafumi Kubota²

¹Case Western Reserve University, Cleveland;

²University Hospitals Cleveland Medical Center

fahmi_shibli

ABSTRACT

The review question: What is the clinical effectiveness of proton pump inhibitor (PPI) therapy on sleep disturbances in patients with gastroesophageal reflux disease (GERD)?

The following databases should be use: CENTRAL; MEDLINE; EMBASE; WHO-ICTRP; ClinicalTrials.gov.

Types of study to be included: Prospective, randomized controlled trials describing PPI therapy for patients with GERD and sleep disturbances will be assessed for eligibility. Crossover studies, cluster randomized studies, will be excluded. Studies conducted by quasi-experimental methods will be excluded. Retrospective studies will be excluded. No exclusion will be made for observation periods.

Main outcome(s): Change in sleep time and quality.

Additional outcome(s): Change in pH impedance parameters (acid exposure, number of refluxes episodes); Change in reflux symptoms; All adverse events: Proportion of people who developed an adverse event according to the original author's definition.

We will perform meta-analysis of the above outcomes using random effect models. Besides, we will assess heterogeneity and publication bias.

ATTACHMENTS

[GERD and Sleep MA protocol.pdf](#)

Keywords: GERD, Sleep disturbance, Proton pump inhibitors