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Observational Study

Relationship of meteorological factors and air pollutants with medical care utilization for gastroesophageal reflux disease in urban area

Seo HS *et al.* MFAPs effect on GERD-related medical utilization

Abstract

BACKGROUND

Gastroesophageal reflux disease (GERD) is a highly prevalent disease of the upper gastrointestinal tract, and it is associated with environmental and lifestyle habits. Due to an increasing interest in the environment, several groups are studying the effects of meteorological factors and air pollutants (MFAPs) on disease development.

AIM

To identify MFAPs effect on GERD-related medical utilization.

METHODS

Data on GERD-related medical utilization from 2002 to 2017 were obtained from the National Health Insurance Service of Korea, while those on MFAPs were obtained from

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The mean levels of gaseous **air pollutants** varied by a **factor** of two across these six cities, with Naples showing the highest levels, whereas the mean levels of PM were less variable. The number of missing values varies by city, with Varese and Gallarate being the city with the highest percentage of missing values (between 1% and 22%).

Cited by: 76

Author: Flavia Orazzo, Luigi Nespoli, Kazuhiko It...

Publish Year: 2009

Break the Cycle Today Asthma & Gastroesophageal Reflux ...

<https://www.nationaljewish.org/.../have-asthma-you-may-also-have-reflux> ▾

Asthma & Gastroesophageal Reflux Disease (GERD) 70% of all people with asthma also have GERD. EATING; Heartburn; Burping; Sour Taste; Shortness of Breath; Stomach contents flow back into the esophagus and may cause heartburn, burping or ...

Risk Factors For Chronic Rhinosinusitis

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4368058>

Other studies also suggest **gastroesophageal reflux disease** (GERD) and autoimmune/inflammatory diseases, and various demographic **factors** may similarly be associated with having CRS. These **factors** have been recently reviewed by Lam et al . in a recently published review article but are further summarized in our discussion and in Table 2 .[5 , 6 ...

Cited by: 10

Author: Jin Young Min, Bruce K. Tan

Publish Year: 2015

(PDF) Exposure to air pollution and meteorological factors ...

https://www.researchgate.net/publication/275895441_Exposure_to_air_pollution_and
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Exposure to **air pollution** and **meteorological factors** associated with children's primary **care** visits at night due to asthma attack: case-crossover design for 3-year pooled patients pdf Available



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Cited by: 79

Author: Flavia Orazzo, Luigi Nespoli, Kazuhiko Ito, ...

Publish Year: 2009

Associations of Cough Prevalence with Ambient Polycyclic ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4997486>

It is one of the reasons for seeking **medical** consultation with primary **care** or respiratory physician, and failure to satisfactorily control it may lead to decreased quality of life in some patients. In clinical settings, chronic cough is often associated with asthma, **gastroesophageal reflux disease** ...

Cited by: 2

Author: Enoch Olando Anyenda, Tomomi Higashi, Y...

Publish Year: 2016

Prevention of Chronic Rhinosinusitis - ScienceDirect

<https://www.sciencedirect.com/science/article/pii/B9780128134719000189>

Jan 01, 2019 · The **relationship** between **gastroesophageal reflux disease** and upper and lower airway diseases has been debated in the past. However, recent epidemiologic studies using electronic health registries and systematic reviews report that GERD and CRS often coexist [10] , [48] , and may be a risk **factor** for development [49] .

Cited by: 3

Author: C Hopkins, P Surda, F Bast, R Hettige, A Wa...

Publish Year: 2018

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[The Effects of Air Pollutants and Irritants on the Upper ...](#)

<https://www.atsjournals.org/doi/full/10.1513/pats.201003-027RN>

Mar 01, 2011 · The nasal cavity is lined by three main epithelial types: squamous, respiratory, and olfactory. The anterior nares ("nasal vestibule") is invested with squamous epithelium, which transitions, beyond the tip of the inferior turbinate, into respiratory epithelium (). The respiratory epithelium is pseudostratified in architecture, and includes basal cells, columnar cells (ciliated and ...

Cited by: 30 **Author:** Dennis Shusterman

Publish Year: 2011

[Symptoms and causes - Mayo Clinic](#)

<https://www.mayoclinic.org/diseases-conditions/...> ▾

Gastroesophageal reflux disease. If you have uncontrolled acid **reflux** or indigestion, you may be at increased risk of interstitial lung **disease**. Smoking. Some forms of interstitial lung **disease** are more likely to occur in people with a history of smoking, and active smoking may make the condition worse, especially if there is associated emphysema.

PEOPLE ALSO ASK

How is pollution affecting asthma patients? ▾

What is the health risk of air pollution? ▾

Is air pollution a cause or a trigger of asthma? ▾

What factors increase the risk of asthma? ▾

Feedback