

ORMDL3, Rhinovirus and Asthma



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Orosomucoid like 3 (ORMDL3), a gene localized to chromosome 17q21, has been linked in epidemiologic studies to childhood **asthma** and **rhinovirus (RV)** infections.

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BACKGROUND: Children with risk alleles at the 17q21 genetic locus who wheeze during rhinovirus illnesses have a greatly increased likelihood of developing childhood **asthma**. In mice±.

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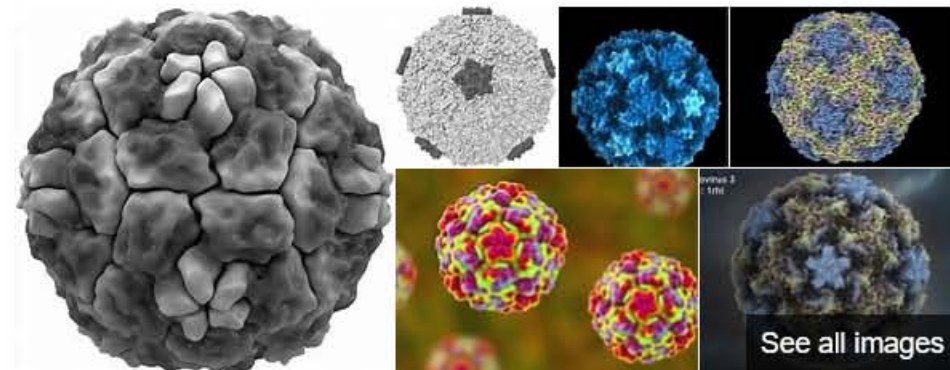
Author: Yi-Ping Liu, Victoria Rajamanikham, Mari...

Publish Year: 2017

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Abstract. Polymorphism at the 17q21 gene locus and wheezing responses to rhinovirus (RV) early in childhood conspire to increase the risk of developing asthma. However, the mechanisms mediatin...



Rhinovirus

The rhinovirus is the most common viral infectious agent in humans and is the predominant cause of the common cold. Rhinovirus infection proliferates in temperatures of 33–35 °C, the temperatures found in the nose. Rhinoviruses belong to the genus Enterovirus in the family Picornaviridae.

Wikipedia

Higher classification: **Picornavirus**

Scientific name: Rhinovirus

Order: **Picornavirales**

Domain: **Virus**

Name of Journal: *World Journal of Critical Care Medicine*

Manuscript NO: 65898

Manuscript Type: REVIEW

Orosomucoid-like protein 3, rhinovirus and asthma

Zhang YM. *ORMDL3*, Rhinovirus and Asthma

You-Ming Zhang

Match Overview

1	Crossref 121 words Yury A. Bochkov, James E. Gern. "Rhinoviruses and Their Receptors: Implications for Allergic Disease", <i>Current Allergy and Immunology</i>	3%
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Polymorphism at the 17q21 gene locus and wheezing responses to **rhinovirus** (RV) early in childhood conspire to increase the risk of developing **asthma**. However, the mechanisms mediating this gene-environment interaction remain unclear. In this study, we investigated the impact of one of the 17q21-enco

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Author: Yiping Liu, Yury A Bochkov, Jens C Eickho...

Publish Year: 2020

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Orosomucoid like 3 (ORMDL3), a gene localized to chromosome 17q21, has been linked in epidemiologic studies to childhood **asthma** and **rhinovirus** (RV) infections. As the single nucleotide polymorphisms linking ORMDL3 to **asthma** are associated with increased expression of ORMDL3, we have used hORMDL3 ...

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Author: Dae Jin Song, Dae Jin Song, Marina Miller,...

Publish Year: 2017

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