

COVID-19: The Importance of Mouth Mask and Good Virostatic Mouth Hygiene to Prevent Infection

Bittmann S*, Luchter E and Villalon G

Department of Pediatrics, Ped Mind Institute (PMI), Gronau, Germany

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*Corresponding author:

Bittmann S, Head of the Department of Pediatrics and Ped Mind Institute (PMI), Pediatrician, Germany; Tel: +49-2565-97325; Fax: +49-2565-97324; E-mail:

stefanbittmann@gmx.de

Abstract

A Short Communication on COVID-19: The Importance of Mouth Mask and Good Virostatic Mouth Hygiene to Prevent Infection. The expression and distribution of ACE2 in the human body may indicate the potential routes of infection of 2019-nCoV. Using the developed single cell RNA sequencing technique (scRNA-Seq) and single cell transcriptomes based on the public database, researchers developed an ACE2 RNA expression profile with single cell resolution.

Keywords: COVID; Mouth Mask

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Introduction

The expression and distribution of ACE2 in the human body may indicate the potential routes of infection of 2019-nCoV. Using the developed single cell RNA sequencing technique (scRNA-Seq) and single cell transcriptomes based on the public database, researchers developed an ACE2 RNA expression profile with single cell resolution. A high expression of ACE2 was identified in type II alveolar cells (AT2) of the lung, in upper and stratified epithelial cells of the esophagus, in absorptive enterocytes from ileum and colon, in cholangiocytes, in myocardial cells, in proximal tubule cells of the kidney and in urothelial cells of the bladder [1,2]. These results showed that those organs with highly ACE2-expressing cells should be considered as potentially at high risk of 2019 nCoV infection [3]. The study of Xu et al. revealed a preponderance of COVID-19 virus to ACE2-receptors in the oral cavity and the tongue, suggesting that COVID-19 uses this way to get part of the body. Even more it is necessary to wear mouth masks daily in contact

with people without clear information about their transmitter status.

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