

Coronavirus Literature

Literature:

Origin of novel coronavirus:

A pneumonia outbreak associated with a new coronavirus of probable bat origin - Zhou et al. 2020

<https://www.nature.com/articles/s41586-020-2012-7>

<https://www.biorxiv.org/content/10.1101/2020.01.22.914952v2.full.pdf>

Coronavirus genome sequence

<https://www.ncbi.nlm.nih.gov/nuccore/MN908947>

Evidence of recombination in coronavirus implicating pangolin origins of nCoV-2019 Wong et al. 2020

<https://www.biorxiv.org/content/10.1101/2020.02.07.939207v1>

Cross-species transmission of the newly identified coronavirus 2019-nCoV Ji et al. 2020

<https://onlinelibrary.wiley.com/doi/full/10.1002/jmv.25682>

Discovery of a rich gene pool of bat SARS-related coronaviruses provides new insights into the origin of SARS coronavirus

Hu et al. 2017

<https://journals.plos.org/plospathogens/article?id=10.1371/journal.ppat.1006698>

Uncertainty about the epicentre:

Clinical features of patients infected with 2019 novel coronavirus in Wuhan, China

Huang et al. 2020

[https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(20\)30183-5/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)30183-5/fulltext)

How it infects humans:

SARS and ACE2 receptors and the novel coronavirus:

Evolution of the novel coronavirus from the ongoing Wuhan outbreak and modeling of its spike protein for risk of human transmission

Xu et al. 2020

<http://engine.scichina.com/publisher/scp/journal/SCLS/63/3/10.1007/s11427-020-1637-5?slug=fulltext>

Single-cell RNA expression profiling of ACE2, the putative receptor of Wuhan 2019-nCoV

* the following papers show this study is inaccurate in suggesting Asians may have a higher level of ACE2 receptor expression

Zhao et al. 2020

<https://www.biorxiv.org/content/10.1101/2020.01.26.919985v1>

Asians and other races express similar levels of and share the same genetic polymorphisms of the SARS-CoV-2 cell-entry receptor

Chen et al. 2020

<https://www.preprints.org/manuscript/202002.0258/v1/download>

Comparative genetic analysis of the novel coronavirus (2019-nCoV/SARS-CoV-2) receptor ACE2 in different populations

Cao et al. 2020

<https://www.nature.com/articles/s41421-020-0147-1>

Tobacco-Use Disparity in Gene Expression of ACE2, the Receptor of 2019-nCov

Guoshuai Cai 2020

<https://www.preprints.org/manuscript/202002.0051/v1>

Symptoms and Treatment

Clinical Characteristics of 138 Hospitalized Patients With 2019 Novel Coronavirus–Infected Pneumonia in Wuhan, China

Wang et al 2020

<https://jamanetwork.com/journals/jama/fullarticle/2761044>

Clinical features of patients infected with 2019 novel coronavirus in Wuhan, China

Huang et al 2020 (linked earlier)

[https://www.thelancet.com/journals/lancet/article/PIIS0140-6736\(20\)30183-5/fulltext](https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(20)30183-5/fulltext)

The standard of care of patients with ARDS: ventilatory settings and rescue therapies for refractory hypoxemia

Bein et al. 2016

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4828494/>

Guidelines on the management of acute respiratory distress syndrome

Griffiths et al. 2019

<https://bmjopenrespres.bmj.com/content/6/1/e000420>