

Name of Journal: *World Journal of Stem Cells*

Manuscript Type: REVIEW

Manuscript NO.: 64069

**Therapeutic prospects of mesenchymal stem/stromal cells in COVID-19
infected pulmonary diseases: From bench to bedside**

Zhang L *et al.* MSCs for COVID-19 therapy

Lei-sheng Zhang, Yi Yu, Hao Yu, Zhong-chao Han

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Author: André Coelho, Rui Damásio Alvites, ...**Publish Year:** 2020

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Author: André Coelho, Rui Damásio Alvites, Marian...

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Background: Acute respiratory distress syndrome (ARDS) is a fatal complication of coronavirus disease 2019 (**COVID-19**). There are a few reports of allogeneic human **mesenchymal stem cells** (MSCs) as a potential treatment for ARDS. In this phase 1 clinical trial, we present the safety, feasibility, and tolerability of the multiple infusions of high dose MSCs, which originated from the placenta and ...

Author: Seyed-Mohammad Reza Hashemian, R...

Publish Year: 2021

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Respiratory **diseases**, including coronavirus disease 2019 and chronic obstructive **pulmonary** disease (COPD), are leading causes of global fatality. There are no effective and curative treatments, but supportive care only. **Cell therapy** is a promising **therapeutic** strategy for refractory and unmanageable ...

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