**Prevalence, Severity and Mortality associated with COPD and Smoking in patients with COVID-19: A Rapid Systematic Review and Meta-Analysis**

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**Appendix:**

**Table S1: Medline search strategy.**

Database: Ovid MEDLINE(R) and Epub Ahead of Print, In-Process & Other Non-Indexed Citations and Daily <1946 to March 24, 2020>

Search Strategy:

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1 Coronavirus Infections/ or Coronavirus/ or COVID-19.mp.

2 novel coronavirus.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]

3 SARS-CoV-2.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]

4 2019-nCoV.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]

5 1 or 2 or 3 or 4

6 clinical characteristics.mp.

7 clinical characteristic\*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]

8 clinical features.mp.

9 clinical feature\*.mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]

10 6 or 7 or 8 or 9

11 5 and 10

**Table S2. Quality assessment:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| First author | Population representative | Sample size  adequate | Confounders | Statistical  analysis | Missing  data | Methodology  of the  outcome | Objective  assessment | OVERALL  (0-3, higher score =  lower risk of bias) |
| Arentz M et al. 2020 (1) | 1 | 0 | 0 | 1 | 1 | 2 | 2 | 1 |
| Guan et el. 2020 (2) | 3 | 3 | 3 | 3 | 2 | 3 | 2 | 2.7 |
| Huang Y et al. 2020 (3) | 3 | 2 | 2 | 1 | 2 | 3 | 1 | 2 |
| Huang et al. 2020 (4) | 1 | 0 | 1 | 1 | 2 | 1 | 1 | 1.1 |
| Liu et al. 2020 (5) | 1 | 1 | 2 | 1 | 0 | 1 | 1 | 1 |
| Mo et al. 2020 (6) | 3 | 2 | 3 | 3 | 2 | 3 | 2 | 2.6 |
| Wang et al. 2020 (7) | 3 | 2 | 2 | 3 | 3 | 3 | 1 | 2.4 |
| Wu et al. 2020 (8) | 2 | 1 | 2 | 3 | 3 | 3 | 2 | 2.3 |
| Wu J et al. 2020 (9) | 3 | 1 | 3 | 3 | 2 | 3 | 1 | 2.3 |
| Xu X et al. 2020 (10) | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0.4 |
| Xu XW et al. 2020 (11) | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0.4 |
| Yang et al. 2020 (12) | 3 | 2 | 3 | 3 | 2 | 3 | 1 | 2.4 |
| Zhang et al. 2020 (13) | 3 | 2 | 2 | 3 | 1 | 3 | 1 | 2.1 |
| Zhou et al. 2020 (14) | 3 | 3 | 2 | 3 | 3 | 3 | 2 | 2.7 |
| Zhu et al. 2020 (15) | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0.7 |

0 = definitely no (high risk of bias); 1 = mostly no; 2 = Mostly yes; 3 = definitely yes (low risk of bias)

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