**Supplementary Table 1.** Characteristics of included studies.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Study** | **Country** | **Study design** | **COVID-19 period** | **Non-COVID-19 period** |
| **No.** | **Age.** | **Sex, male** | **No.** | **Age.** | **Sex, male** |
| Baldi et al. 2020 [1] | Italy | Multicenter registry retrospective study | 694 | 76.5 ± 3 | 430 (62.0%) | 520 | 77.3 ± 3.5 | 300 (57.7%) |
| Ball et al. 2020 [2] | Australia | Retrospective study | 380 | 68 ± 4.3 | 250 (65.8%) | 1218 | 66 ± 4.3 | 845 (69.4%) |
| Chan et al. 2020 [3] | USA | Retrospective study | 9863 | 62.6 ± 19.3 | 6040 (61.3%) | 9440 | 62.2 ± 19.2 | 5922 (62.7%) |
| Elmer et al. 2020 [4] | USA | Retrospective study | 683 | 64 ± 19 | 253 (37.0%) | 12,252 | 63 ± 19 | 4,552 (37.2%) |
| Lai et al. 2020 [5] | USA | Population-based, cross-sectional study | 3989 | 72 ± 18 | 2183 (55.8%) | 1336 | 68 ± 19 | 752 (57.1%) |
| Ortiz et al. 2020 [6] | Spain  | Retrospective study | 1446 | 64.4 ± 16.5 | 1028 (71.1%) | 1723 | 65.6 ± 16.9 | 1210 (70.2%) |
| Paoli et al. 2020 [7] | Italy | Retrospective study | 200 | 79 ± 17 | 89/175 (50.9%) | 206 | 77 ± 14 | 98/179 (54.7%) |
| Semeraro et al. 2020 [8] | Italy | Retrospective study | 624 | 83 ± 3 | 318 (51.0%) | 563 | 83 ± 3 | 284 (50.4%) |

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