**Table 1 - Cohort study demographics, presentation and outcomes of COVID-19-associated cardiovascular injury**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Author** | **Study type/**  **Country** | **Total number of patients** | **Number of patients** | | **Age**  **Media (IQR) or Mean ±SD** | | **Sex (M= male, F = female)** | | **Definition of CI/**  **abnormality in the CI group** | **Outcome (%)** | | **P** |
| **Non-CI** | **CI** | **Non-CI** | **CI** | **Non-CI** | **CI** | **Non-CI** | **CI** |  |
| Barman et al, 202012 | Retrospective cohort  Turkey | 491 | 397 | 94 | 55.3 years ±15.2 | 66 years ±14.5 | 210 M, 187 F | 51 M, 43 F | Myocardial injury  (Elevated troponin I) | ICU: 17 ARDs: 16, Death: 7 | ICU: 68, ARDs: 68, Death: 37 | <0.001\*  <0.001\*  <0.001\* |
| Guo et al, 2020 13 | Retrospective cohort  China | 187 | 135 | 52 | 53.53 years ± 13.22 | 71.40 years ± 9.43 | 57M, 78F | 34M, 18F | Myocardial injury  (Elevated troponin T) | Death: 8.89 | Death: 59.62 | <0.001\* |
| Li et al, 2020 (a) 14 | Retrospective cohort  China | 182 | 143 | 39 | 60 years (48-68) | 71 years (66-83) | 75M 68F | 24M 15F | Myocardial injury  (Elevated troponin I) | - | - | - |
| Li et al, 2020 (b) 15 | Retrospective cohort  China | 82 | 48 | 34 | § | § | 29M, 19F | 23M, 11F | Myocardial injury  (Elevated troponin I) | Death:41.7 | Death: 88.23 | - |
| Mahmoud-Elsayed et al, 2020 16 | Retrospective cohort  UK | 74 | 54 | 20 | 59 years ± 13 | 58 years ± 13 | 40 M, 14 F | 18 M, 2 F | RV dilation and dysfunction  (TTE) | Death: 39 | Death: 35 | - |
| Shi et al, 2020 (a) 17 | Retrospective cohort  China | 671 | 565 | 106 | 57 years (43-70) | 73 years (66-80) | 264M 301F | 58M 48F | Myocardial injury  (Elevated troponin I) | - | - | - |
| Shi et al, 2020 (b) 18 | Retrospective cohort  China | 416 | 334 | 82 | 60 years (21-90) | 74 years (34-95) | 161 M, 173 F | 44 M, 38 F | Myocardial injury  (Elevated troponin I) | Death: 4.5 | Death: 51.2 | <0.001\* |
| Wei et al, 2020 19 | Prospective cohort  China | 101 | 85 | 16 | 47 years (33–55) | 67 years (61.0–80.5) | 47M, 38F | 7M, 9F | Myocardial injury  (Elevated troponin T) | Death: 0 | Death: 18.8 | <0.001\* |

**CI:** Cardiac Injury; **RV:** Right Ventricle; TTE: Transthoracic Echocardiography.

§: Non-CI: 37.5% > 70 years and 62.5% < 70 years, CI: 70.59% > 70 years and 29.41% <70 years.