

Association of Comorbidity and Mortality among COVID 19 Patients Admitted in a Tertiary Care Hospital in Tamil Nadu: A Case-Control study.

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ABSTRACT

The aim of the study was to identify the association between comorbidities and mortality among the patients with COVID-19 treated at territory hospitals in Chennai. The research design adopted was a Retrospective Case-Control study. The study population included 165 cases and 173 control patients. Medical records of the COVID-19 patients were utilized to analyze the information. The Odds ratio and the Chi-square tests were employed to ascertain the association between age, morbidity and mortality. The factors of comorbid conditions associated with the death of the patients were diabetes (OR: 3.91; 95%CI: 2.35-6.49), hypertension (OR: 6.02; 95%CI: 4.44-10.54), and hypothyroidism (OR: 20.59; 95%CI: 1.14-369.30). There was an increased odds of death among the COVID-19 patients due to an increase in comorbidities. The study shows that there was an extensive association between age, comorbidities and mortality among patients with COVID-19. COVID mortality is more likely among the elderly with comorbidities.

Key word: COVID 19, comorbidities, Mortality Morbidity, Case-control study.

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