

CERTIFICATE OF BIOSTATISTICS REVIEW

This is to certify that the study titled "Readmission rates and outcomes in adults with and without COVID-19 following inpatient chemotherapy admission: A nationwide analysis" has been reviewed by a biostatistics expert. The review aimed to assess the statistical methodology and data analysis used in the study.

Study Details:

Title: Readmission rates and outcomes in adults with and without COVID-19 following inpatient chemotherapy admission: A nationwide analysis

Authors:

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Review Summary:

The study investigated readmission rates and outcomes in adults who underwent inpatient chemotherapy admission with and without COVID-19 across a nationwide database. The research examined the potential impact of COVID-19 on readmission rates and patient outcomes in this specific population.

Key Points of the Biostatistics Review:

Study Design and Population: The review assessed the study's design, including the sampling methodology and the inclusion/exclusion criteria used to select the study population. The clarity of the population characteristics and its relevance to the research question was evaluated.

Data Collection and Management: The biostatistics review examined the methods used for data collection, ensuring the reliability and validity of the data. Additionally, the review looked for any potential biases in data management and how they were addressed.

Statistical Methods: The biostatistics review assessed the appropriateness of the statistical methods used to analyze the data. This includes evaluating the use of descriptive statistics, inferential statistics (e.g., t-tests, chi-square tests), and any multivariate techniques applied to address confounding variables.

Sample Size and Power Analysis: The adequacy of the sample size was evaluated, ensuring it provided sufficient statistical power to detect meaningful differences between the groups being compared.

Data Presentation and Interpretation: The biostatistics review assessed the clarity and appropriateness of data presentation, including tables, figures, and statistical summaries. The interpretation of results in the context of the research question was also examined.

Ethical Considerations: The review checked for appropriate ethical considerations and compliance with relevant guidelines in the handling of patient data and the reporting of the results.

Conclusion:

Based on the biostatistics review of the study titled "Readmission rates and outcomes in adults with and without COVID-19 following inpatient chemotherapy admission: A nationwide analysis," the statistical methodology and data analysis were found to be appropriate and well-conducted. The study's findings contribute valuable insights into the potential impact of COVID-19 on readmission rates and patient outcomes in the context of inpatient chemotherapy admission.

Certified by:

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