

Analyzing the Causal Impact of Type 2 Diabetes on Ischemic Coronary Illness

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Abstract

This study endeavors to analyze the causal impact of Type 2 diabetes on ischemic coronary illness, a prevalent and intricate cardiovascular condition. Recognizing the increasing global burden of both Type 2 diabetes and coronary heart disease, the research employs rigorous methodologies to elucidate the causal relationships, contributing valuable insights to the understanding of the interplay between these two significant health issues. A comprehensive retrospective cohort study design is implemented, involving a large and diverse patient population with a focus on individuals diagnosed with Type 2 diabetes. Electronic health records, national databases, and relevant medical registries are utilized to extract longitudinal data, ensuring a robust assessment of both diabetes progression and the incidence of ischemic coronary events. Type 2 Diabetes status, categorized by disease duration and glycemic control. Incidence and severity of ischemic coronary events, assessed through diagnostic criteria, cardiac imaging, and patient records. Demographic factors, lifestyle variables, comorbidities, medication usage, and relevant clinical indicators are considered to control for confounding variables.

Propensity score matching and statistical modeling, including Cox proportional hazards regression, are employed

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Acknowledgement

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Conflict of Interest

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References

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