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The Impact of Radiation on the Development of Lung Cancer

Lingling Li, Tianhai Tian, Xinan Zhang

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Highlights

- The probability data which is transformed from the lung cancer incidence rates in the Osaka Cancer Registry (OCR) and Life Span Study (LSS) cohort of atomic bomb survivors are analyzed by the model with three mutations.
- The Chi-square test is utilized to study the mechanism that radiation induces lung cancer development.
- Radiation has more significant impact on the mutations of cells than the clonal expansion of cells in the development of lung cancer.
- There is a gender difference in the progression of lung cancer.

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