

# Application of Survival Analysis and Cox Regression Model to Mitral Valve Replacement Study.

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## Abstract

In most clinical studies the patients are observed for extended time periods in order to evaluate one or more interventions (for example, drug treatment, approaches to surgery, etc.) in treatment of a disease, syndrome, or condition. The primary event in these studies is death, relapse, adverse drug reaction, or development of a new disease. The follow-up time may range from few weeks to many years. The aim of our retrospective study was to compare and analyze results of mitral valve replacement in children under 18 years. In this talk we will discuss Cox regression models with and without truncation and compare the results under both models.

## Keywords

Survival analysis, Cox model, Mitral valve prosthesis.

## References

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