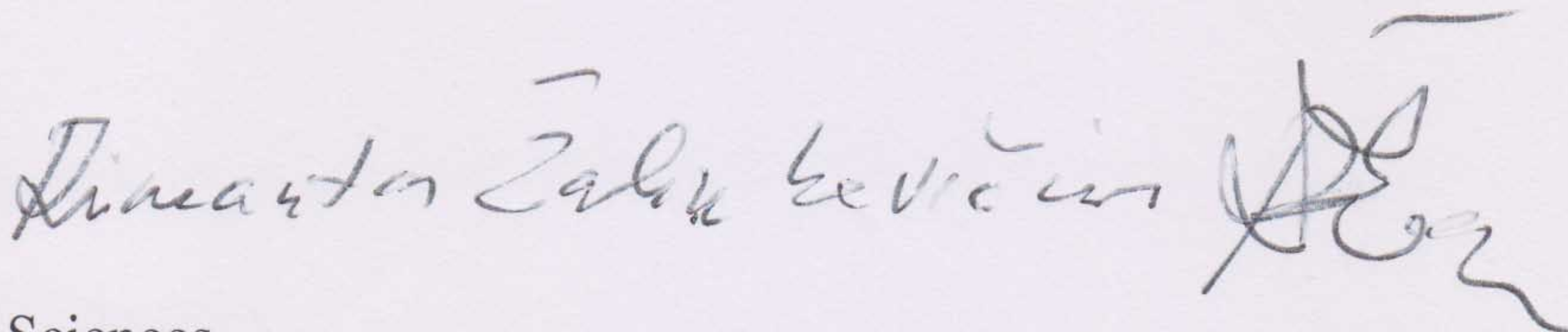# Biostatisticians review

Study title: Polymorphisms of microRNA target genes IL12B, INSR, CCND1 and IL10 in gastric cancer

In the study mean values of age were compared using Student's t-test. Categorical data are presented as frequencies and comparisons were performed using the Chi-square test. Each polymorphism was evaluated using Hardy–Weinberg equilibrium. Associations between gastric cancer and gene polymorphisms were calculated using multiple logistic regression analysis and expressed as odds ratios with 95% confidence intervals. Recessive and dominant models were also evaluated. As appropriate, the authors used Bonferroni-corrected alpha levels in order to determine the significance.

Conclusion: the authors used appropriate statistical methods for this type of case-control genetic association studies.

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