Appendix A

Simulation Results for Bivariate Data with 50% Censoring

Figures A.1 to A.10 show the simulation results for the proportional and nor-proportional data generated as in the Section 5.1 with 50% censoring.

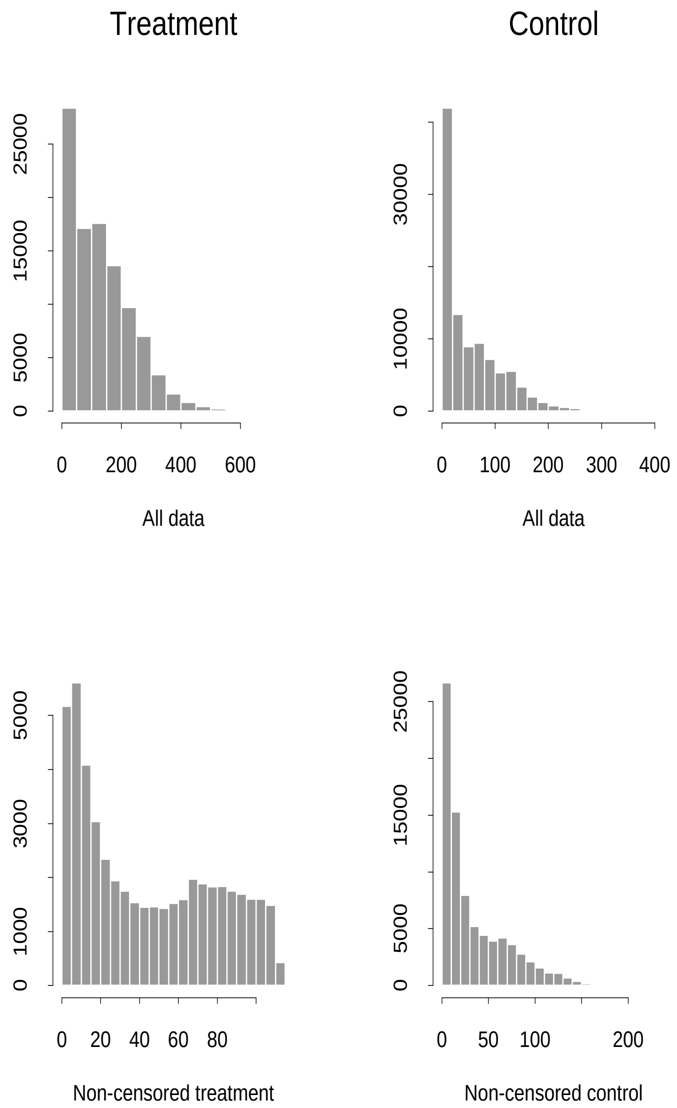

Figure A.1: The histograms of the marginal failure times, and non-censored marginal failure times for the data generated according to the proportional hazards model in Section 5.1. The censoring rate for the "treatment" is 50%.

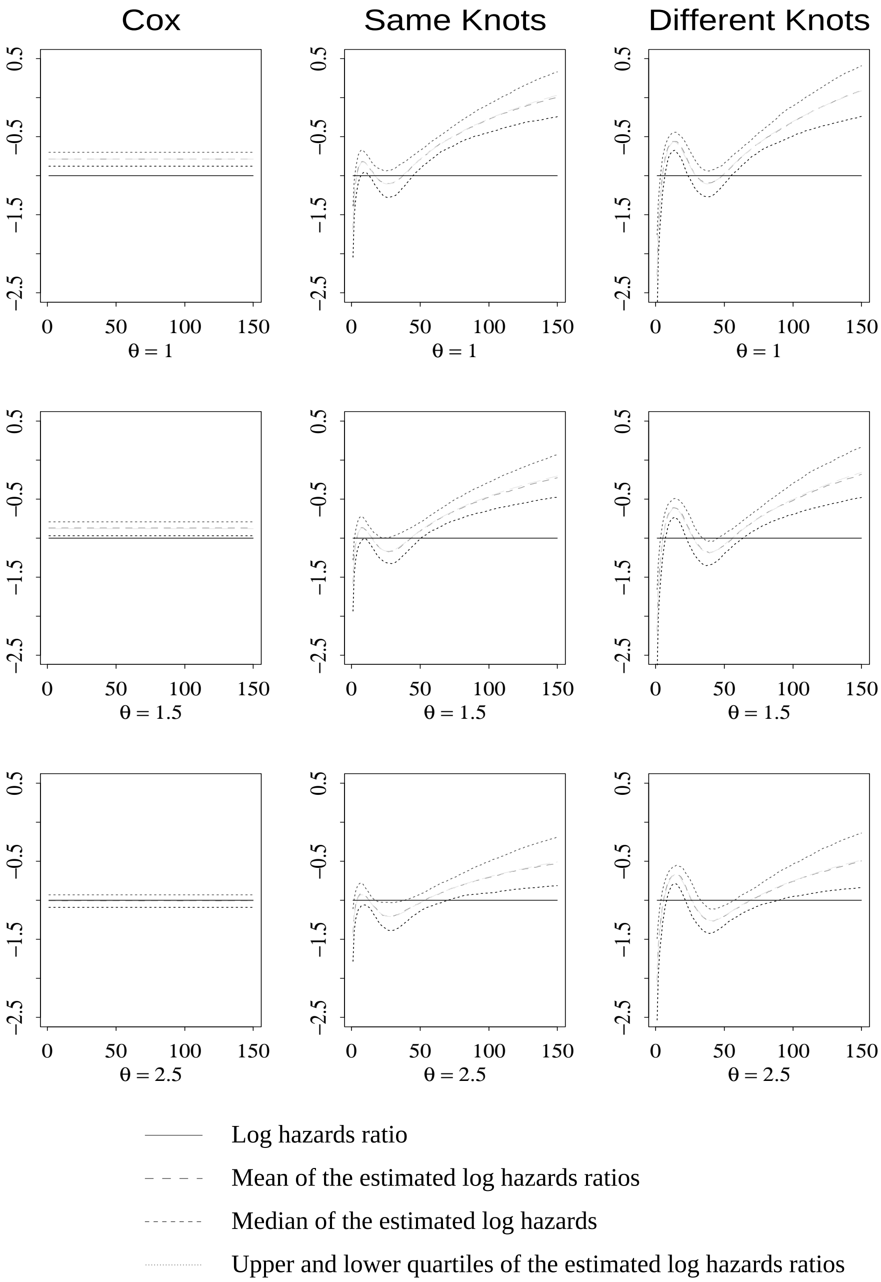

Figure A.2: The true log hazards ratio of the data as in the proportional hazards model defined in Section 5.1 and the pointwise quartiles and empirical mean of the 500 estimated log hazards ratios.

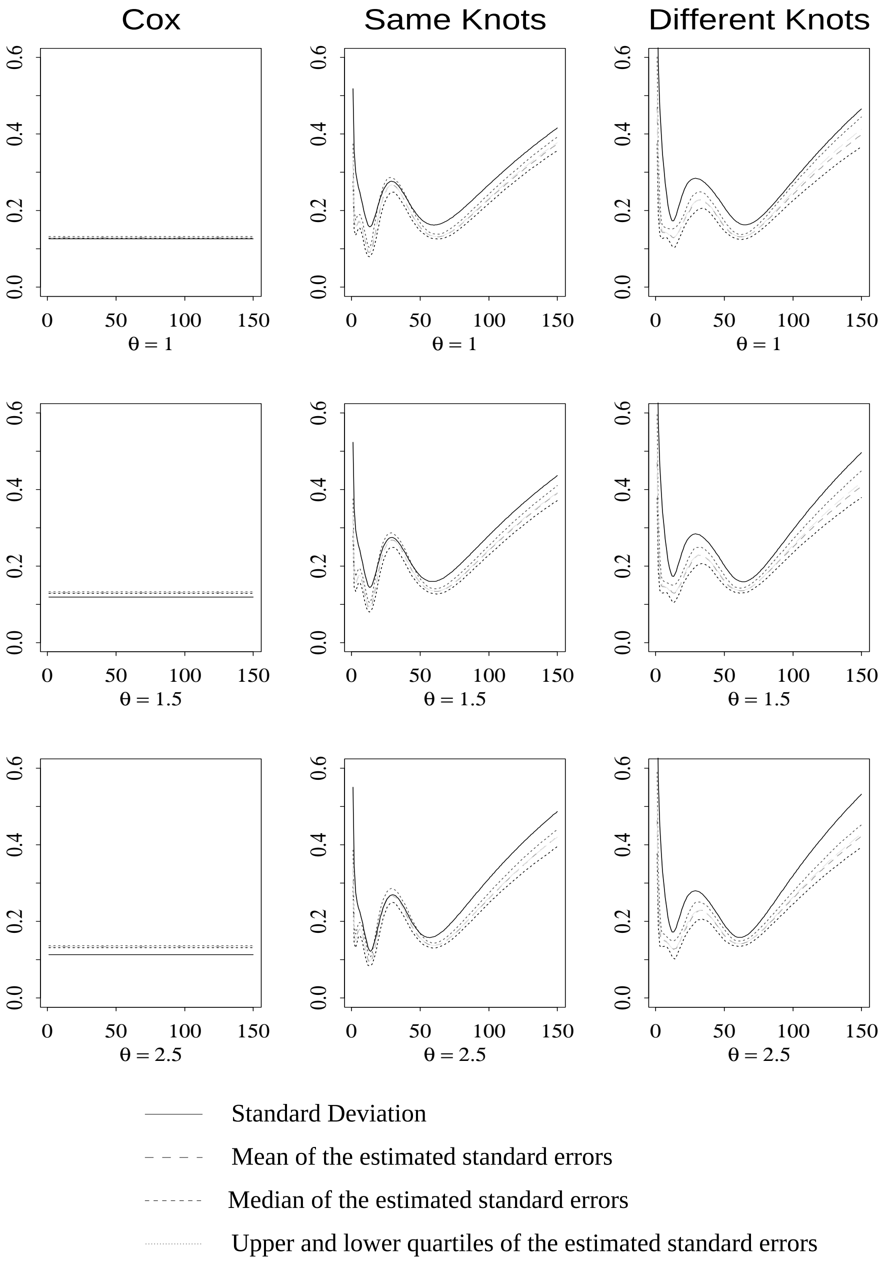

Figure A.3: The standard deviations of the estimated log hazards ratio for data generated according to the proportional hazards model. The censoring rate is 50% for the "treatment".

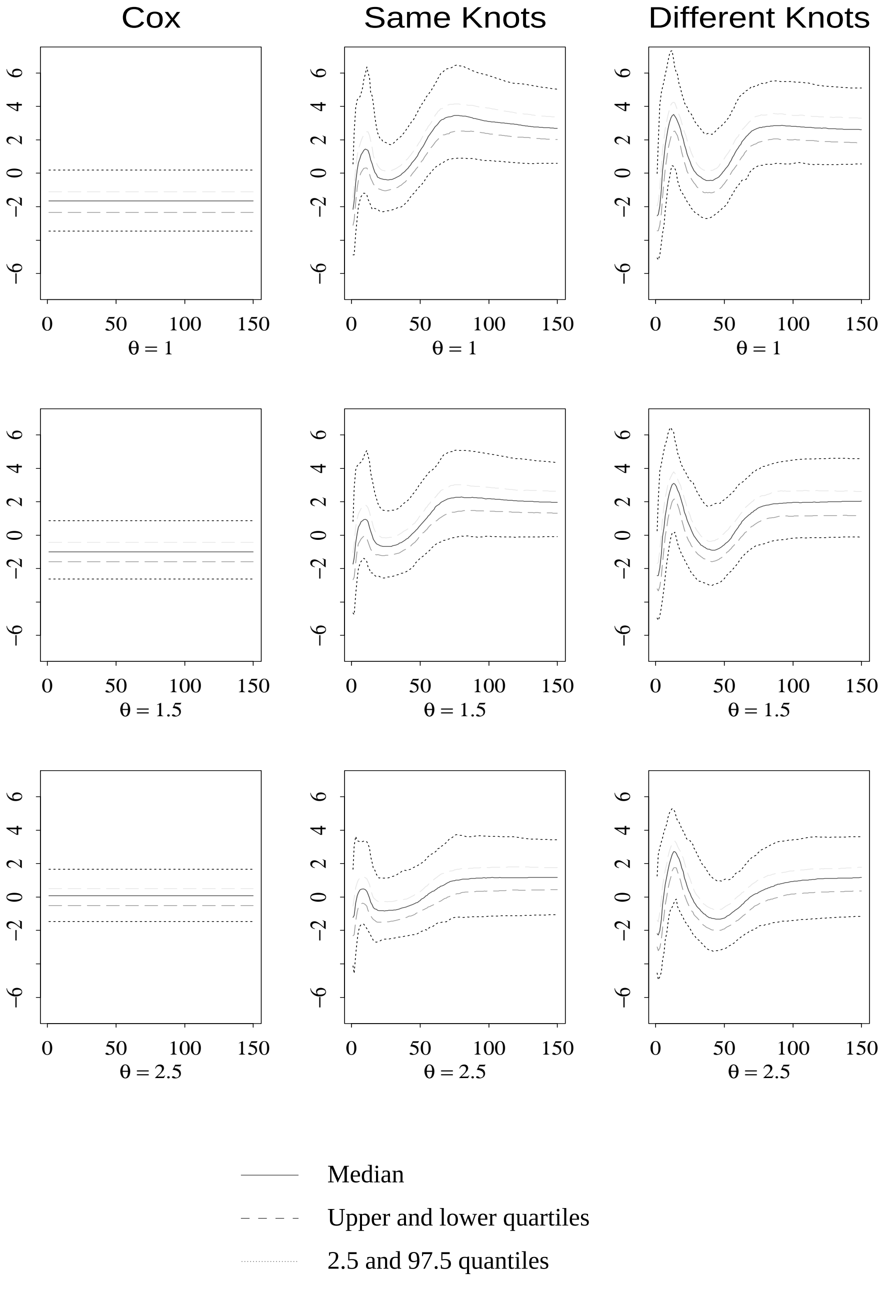

Figure A.4: The quantiles of the pointwise z values of the estimated log hazards ratio for the data generated according to the proportional hazards model. The censoring rate is 50% for the "treatment".

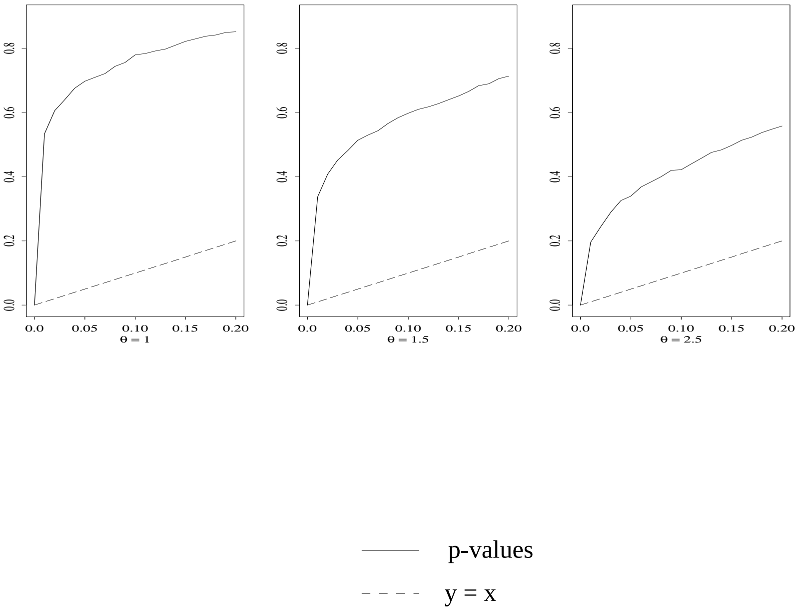

Figure A.5: Empirical distribution functions of the p-values for testing the hypothesis that the two failure times of the data generated as in the proportional hazards model in Section 5.1 have proportional hazards.

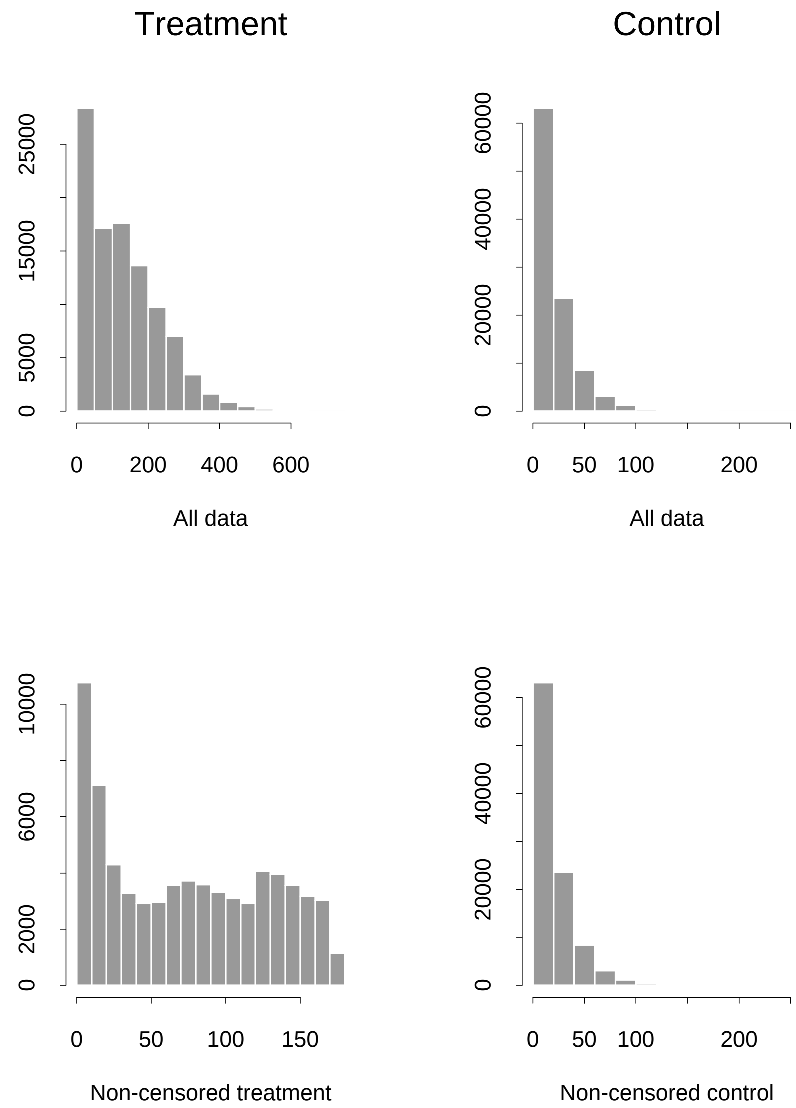

Figure A.6: The histograms of the marginal failure times, and the non-censored marginal failure times for the data from the non-proportional hazards model in Section 5.1. The censoring rate for the "treatment" is 50%.

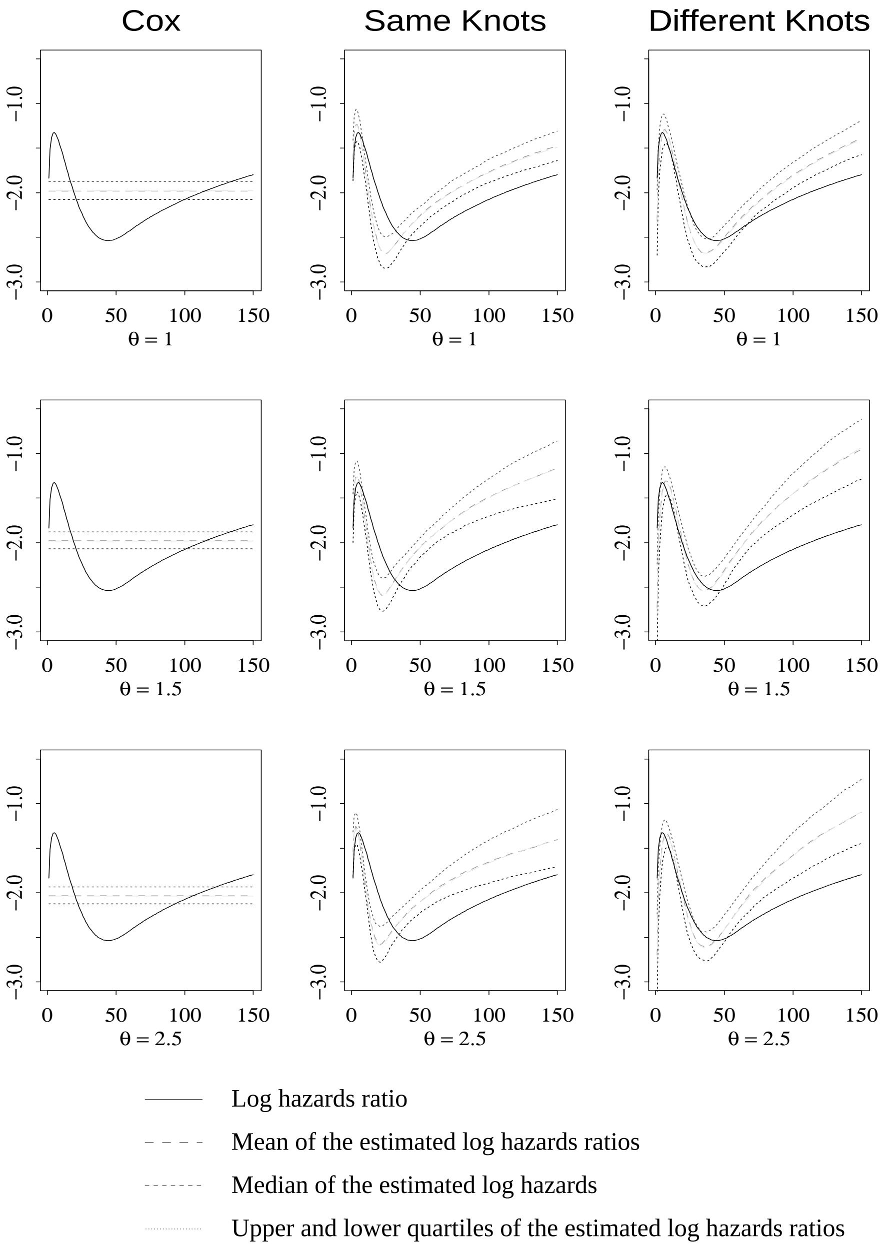

Figure A.7: The true log hazards ratio of the data as in the non-proportional hazards model defined in Section 5.1 and the pointwise quartiles and empirical mean of the 500 estimated log hazards ratios.

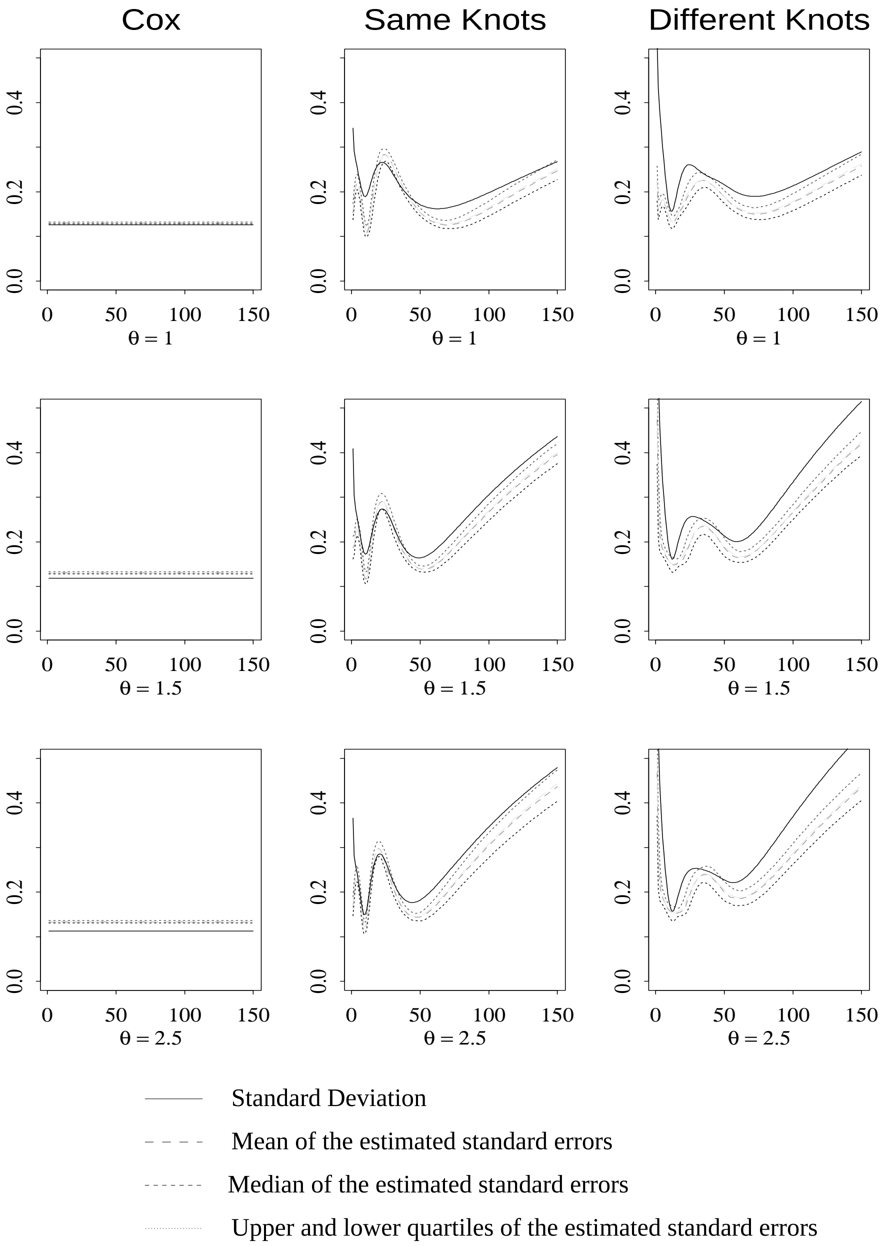

Figure A.8: The standard deviations of the estimated log hazards ratio for data generated according to the non-proportional hazards model. The censoring rate is 50% for the "treatment".

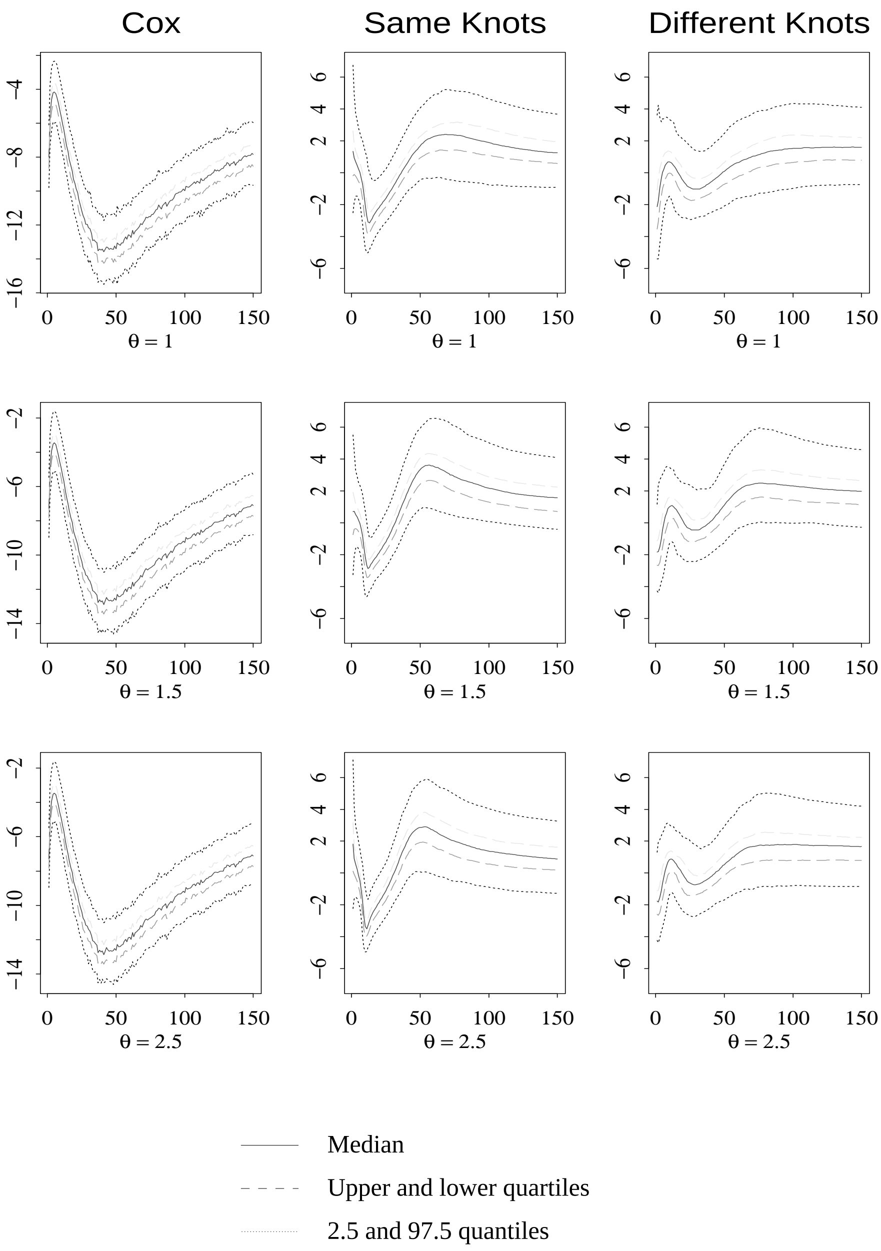

Figure A.9: The quantiles of the pointwise z values of the estimated log hazards ratio for the data generated according to the non-proportional hazards model. The censoring rate is 50% for the “treatment”.

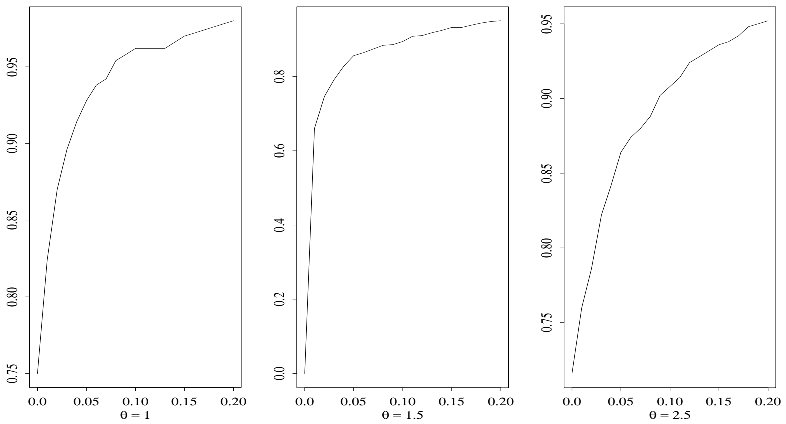

Figure A.10: Empirical distribution functions of the p-values for testing the hypothesis that the two failure times of the data generated as in the non-proportional hazards model in Section 5.1 have proportional hazards.