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### **Biostatistics statement**

Student's *t*-test was used to analyze continuous variables and the  $\chi^2$  or Fisher's exact test to analyze categorical variables. Survival was calculated by the Kaplan-Meier method. Univariate analyses of prognostic factors for OS were performed using log-rank tests. Factors with  $p < 0.10$  on univariate analysis were subjected to multivariate analysis using a Cox's proportional-hazards model to identify independent prognostic factors. All calculations were performed using JMP® Pro 11.2.0 (SAS Institute, Cary, NC, USA). *P* values of  $< 0.05$  were considered to indicate statistical significance.