Table of the logistic regression analysis.

**Table 1** Logistic Regression\*

Variable B Standard Error Odds Ratio 95% Confidence Interval

Treatment -0.17 0.22 0.85 0.55 – 1.31

Gender 0.40 0.23 1.50 0.96 – 2.43

Age 0.08 0.01 1.08 1.06 – 1.11

History of stroke 0.64 0.30 1.90 1.05 – 3.43

Valve surgery 0.30 0.24 1.35 0.84 – 2.16

\* Stepwise addition of covariables resulted in a model with age, gender and history of stroke as covariables.

Comments:

The study we describe in this manuscript is a randomized controlled trial, so the unadjusted analysis is the primary result and the adjusted analysis merely serves to investigate whether potential disturbing factors have largely influenced our unadjusted findings. This turns out not to be the case.

We did not include any interaction terms as we aim to retain as few covariables in the model as possible, and feel that interaction terms do not provide additional information on the estimated effect of dexamethasone on delirium.

The estimated effect of treatment on delirium did not change after applying a spline transformation of age in the adjusted analysis.