Comments on Case Study 1 Statistical Analysis Plans

*2024-01-28 amb*

What is the actual variable to be used for the primary outcome (“faster”)?

Total\_intubation \_time? Attempt1\_time? Vague?

“Success”? Intubation\_overall\_S\_F?

How about for the secondary outcome (“easier”)?

Ease? Bleeding? Sore throat? “Success”? Success on first try? Intubation time?

Who will be included in the analysis?

Everyone randomized?

Exclude those who crossed over (vs. censoring them)?

What method should be used to compare **time to intubation** between treatment groups?

Proportional hazards (Cox) regression:

Amanda, Jiayi, Sarah, Losha, Denis, Ben, Kailash, Cheng-Chang

Log-rank test: Santiago, Meghan, Sarah, Ben, Lina, Cheng-Chang

Logistic regression (for overall success): Michala, Luis

T-test: Bibin, Can

MLR: Yaqiao

(some people hedged and listed two methods)

What method should be used to compare **ease** between treatment groups?

T-test: Santiago, Bibin, Sarah

MLR: Santiago, Meghan, Jiayi, Kailash, Cheng-Chang

Logistic regression (on “success”): Denis

Used other variables (like bleeding, sore throat, first try success, or intubation time)

(some people didn’t address this question, or I couldn’t decipher their plan; and again, some hedged)

What variables are reasonable to adjust for, if any?

None, it is a randomized comparison

Some or all of the six baseline characteristics (age, sex, BMI, ASA, Mallampati, Cormack-Lehane view)?

Any variable with a significant difference between treatment groups at baseline?

Number of attempts?