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**Response to “post mortem tryptase cut-off: statistical significance”**

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Thank you very much for having an interest in our article [1]. We appreciate the clarification sought from the author.

All linear regression univariate analyses were performed with post mortem tryptase as a dependant value, and having anaphylactic death, age, male sex, post mortem interval and resuscitation (CPR) as separate independent variables. These independent variables were initially analysed in this format:  $Y$  [post mortem tryptase] =  $\beta_0 + \beta_1 X_1$  [ $X_1$  = anaphylactic death, age, male sex, post mortem interval or resuscitation]. The coefficient for each independent variable was determined with associating 95% confidence interval and p value presented in table 4, left hand columns. This initial univariate analysis was used to select which factors used for the subsequent multivariate analysis.

The linear regression multivariate analysis used was in this format:  $Y$  [post mortem tryptase] =  $\beta_0 + \beta_1 X_1 + \beta_2 X_2 + \beta_3 X_3 \dots$   $X_i$  being the selected dependant variables. We did not explore any interaction or dependency between the dependant factors, eg  $X_1 X_2$ .

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