

This file summarises R program files that have been used to explore the operating characteristics of an adaptive design proposed to address the cord clamping research question within the proposed TipTop platform.

R program file in order of execution	Description
<i>CordClamping_1Fut.R</i>	This explores the operating characteristics of an adaptive design with one interim analysis for non-binding futility early stopping. Simulations are performed under several scenarios covering the timing of interim analysis, decision rule at an interim analysis, and underlying treatment effect. 50000 simulation replicates are used for each scenario. Results are saved for use by "CordClamping_PlotSim_1Fut.R"
<i>CordClamping_PlotSim_1Fut.R</i>	This produces data visualisation plots of operating characteristics of the design explored by "CordClamping_1Fut.R". Results are presented in an accessible related report https://doi.org/10.15131/shef.data.25393327 .
<i>CordClamping_1Fut_Final.R</i>	This is similar to "CordClamping_1Fut.R" but covering selected simulation scenarios and simulation replicates increased to 1 million.
<i>CordClamping_2Fut.R</i>	This explores the operating characteristics of an adaptive design with two interim analyses for non-binding futility early stopping. Simulations are performed under several scenarios covering the timing of interim analyses, decision rules at interim analyses, and the underlying treatment effect. 50000 simulation replicates are used for each scenario. Results are saved for use by "CordClamping_PlotSim_2Fut.R"
<i>CordClamping_PlotSim_2Fut.R</i>	This produces data visualisation plots of operating characteristics of the design explored by "CordClamping_2Fut.R". Results are presented in an accessible related

report

<https://doi.org/10.15131/shef.data.25393327>.

CordClamping_2Fut_Final.R

This is similar to "CordClamping_2Fut.R" but covering selected simulation scenarios and simulation replicates increased to 0.5 million. Results are used by "CordClamping_2Fut_FinalTables.R".

CordClamping_2Fut_FinalTables.R

Presents results of operating characteristics generated by "CordClamping_2Fut_Final.R" in table format. The results are found in an accessible related report
<https://doi.org/10.15131/shef.data.25393327>.