

## **BJA/RCoA Project Grant 2008 R1**

### **Computational modelling of the cerebrovascular behaviour of patients undergoing carotid endarterectomy**

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This project was completed in 2010.

The modelling was successful only to a point and we were unable to reliably reproduce the time course of changes in cerebral blood flow velocity following cross-clamping in carotid endarterectomy.

There were positive outcomes from the study. It provided (minor) support to a successful MRC application concerning modelling of the systemic circulation.

We gained insights into the use of genetic models for parameter optimisation.