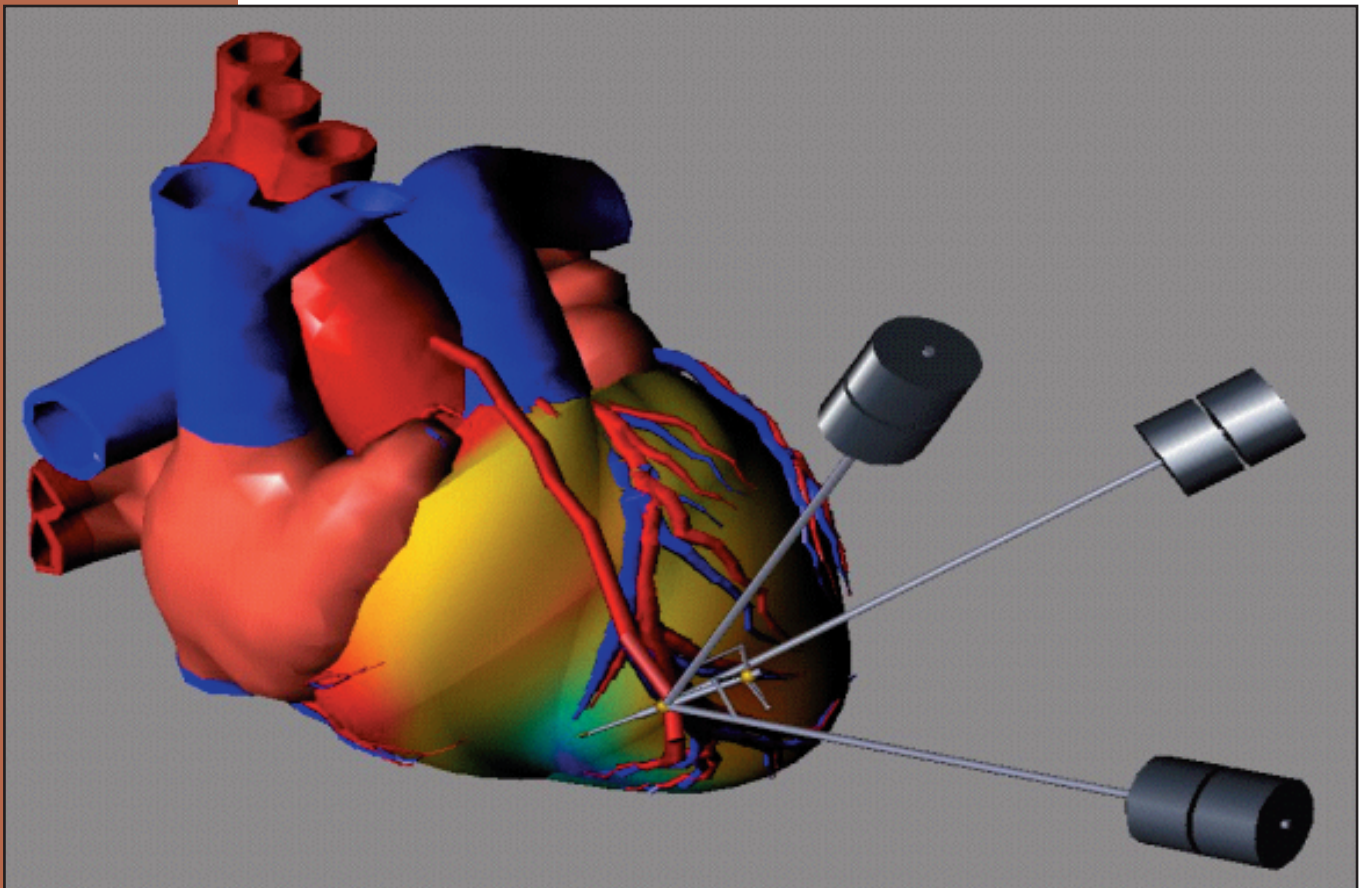




# Experimenting with the Heart

Experimenting with real human hearts isn't possible, but experimenting with accurate mathematical models of the human heart has led to a new understanding of its complex processes. Mathematics and the computer can replace years of experimentation in laboratories. For example, understanding resulting from mathematics greatly speeds up the design and implementation of artificial valves.



Photograph courtesy of Professor Peter Hunter.