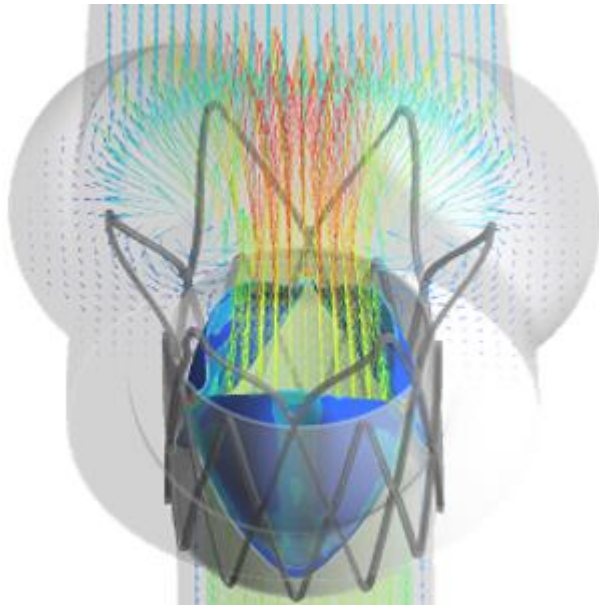


RESEARCH PROJECTS

TRANSCATHETER AORTIC VALVE REPLACEMENT



Aortic Valve Modelling

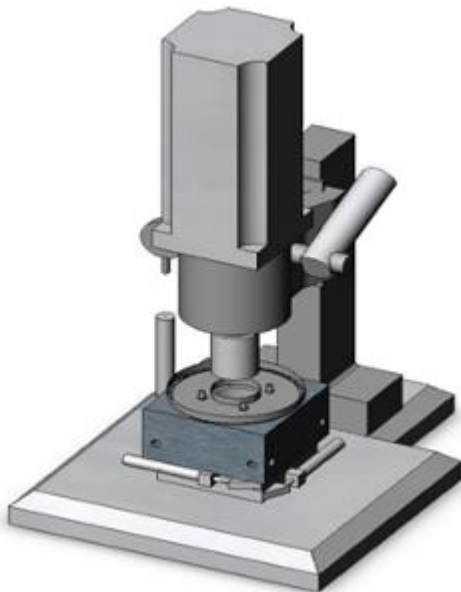
A minimally invasive intervention for patients with end stage calcific aortic valve disease

PLATELET ACTIVATION STUDIES

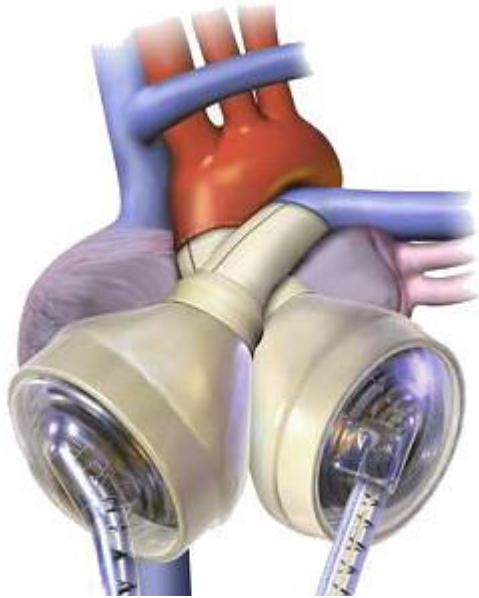


Multiscale Modeling

Modelling flow-mediated platelet response at the micro- and nano-scales



MECHANICAL CIRCULATORY SUPPORT DEVICE



Total Artificial Heart

A pulsatile bi-ventricular mechanical circulatory support device that replaces the heart in patients with end-stage congestive heart failure

Left Ventricular Assist Device

A centrifugal mechanical circulatory support device that support the left-ventricle in patients with end-stage congestive heart failure.

