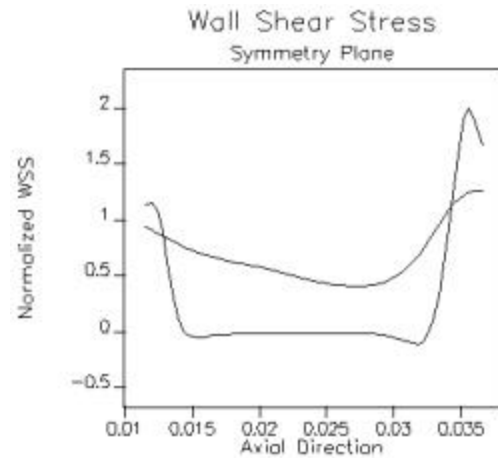
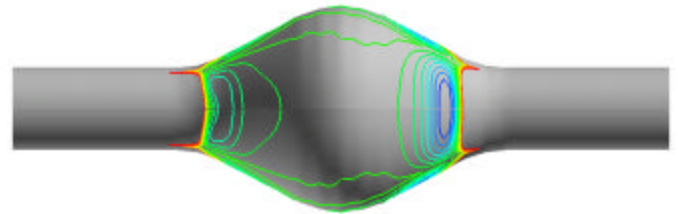


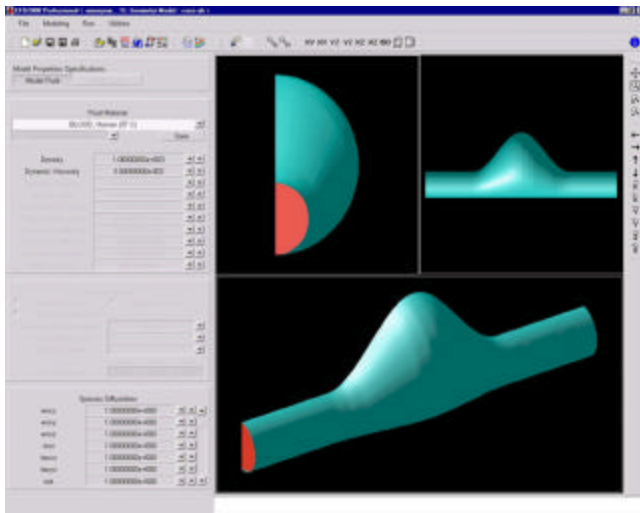
### Predicting Rupture in Cerebral Aneurysms

**Adaptive Research**  
*A division of Simunet Corporation*

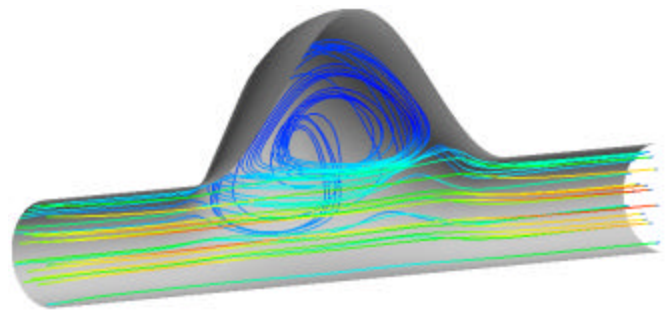
Computational Fluid Dynamics provides a non-invasive tool to simulate blood flow inside cerebral aneurysms, helping surgeons determine the best approach for treatment. Numerical simulations can predict flow structures and wall shear stress in the aneurysm, which are crucial parameters to assess potentially lethal vessel rupture. CFD techniques generally compare well with Doppler measurements and are expected to improve the ability to weigh surgery procedures and evaluate treatment outcome.



Cerebral Aneurysm – Wall Shear Stress



CFD2000 User Interface



Cerebral Aneurysm - Streamlines

### STORM®/CFD2000®

A powerful computational fluid dynamics software program developed by Adaptive Research. STORM/CFD2000 solves real-world engineering problems by simulating virtually any physical process involving fluid flow and heat transfer.