

Patient-Specific Cardiovascular Computational Fluid Dynamics Modeling

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Introduction

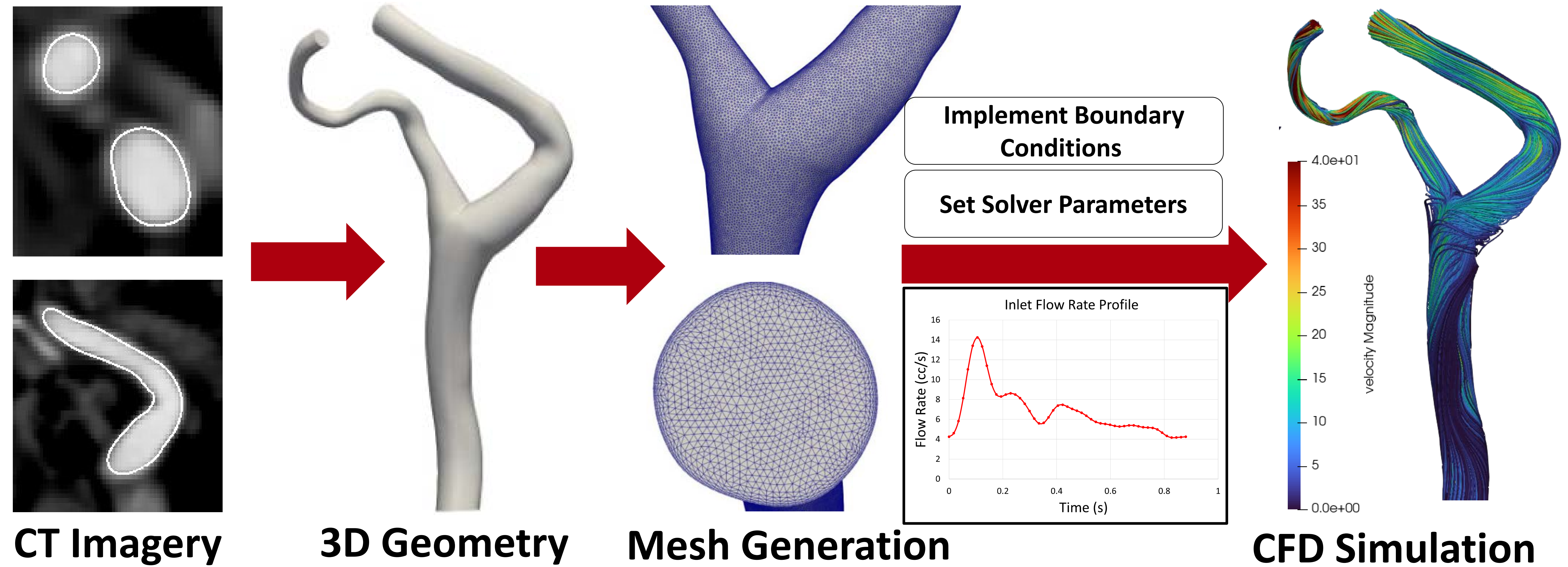
Challenges of *in vivo* studies on human cardiovascular system:



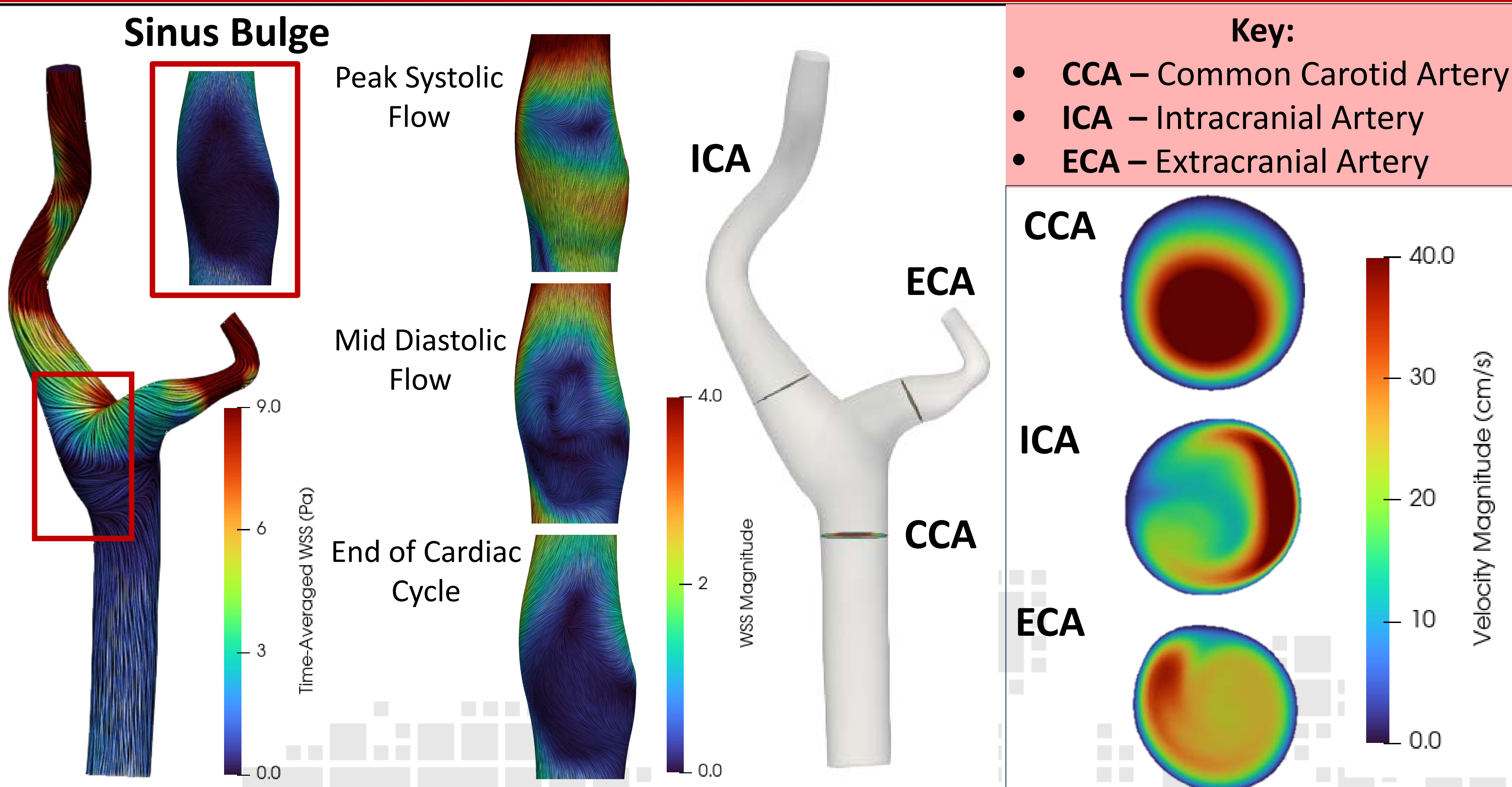
- Invasive procedures
- Improper diagnostic and treatment tools

Developing predictive frameworks using **Computational Fluid Dynamics (CFD)** advances research on complex diseases and conditions

Pipeline for CFD Methods



Application 1: Embolic Stroke of Undetermined Source



Application 2: Splenic Embolization Using Coil

