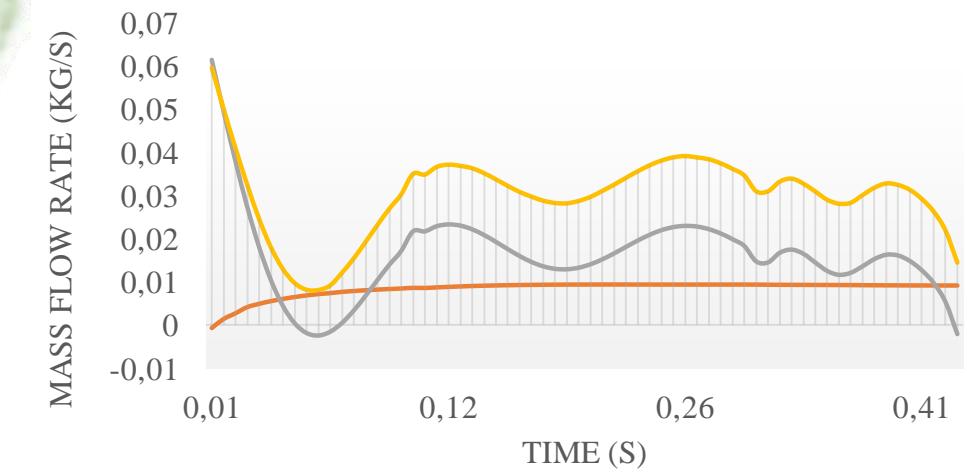
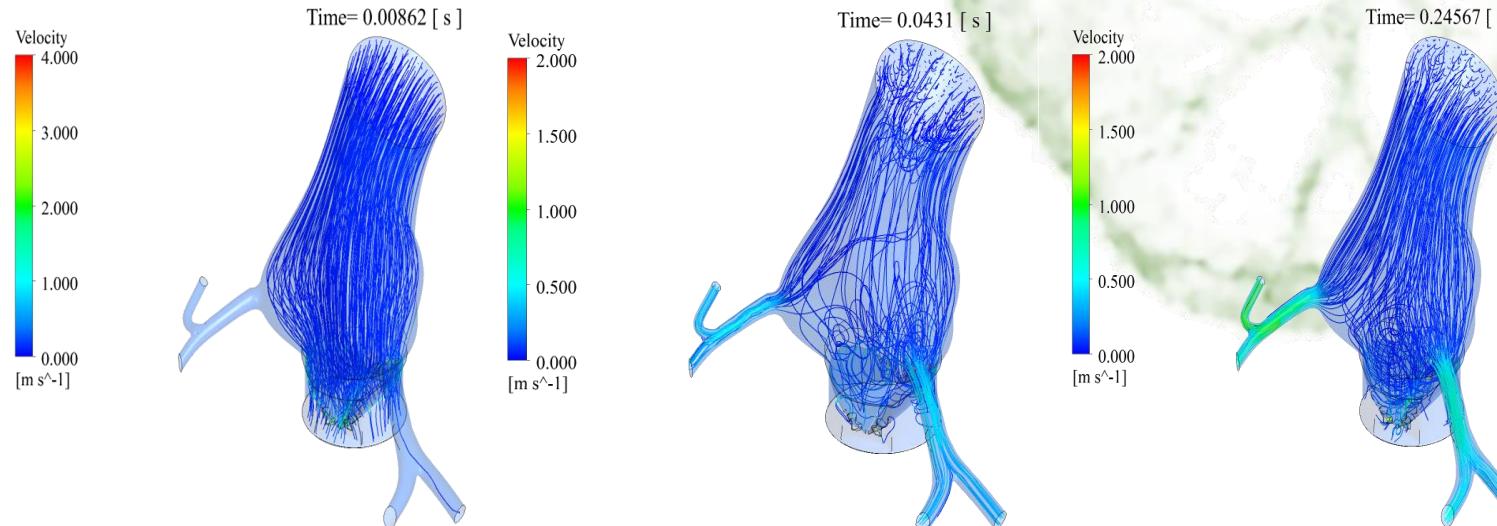
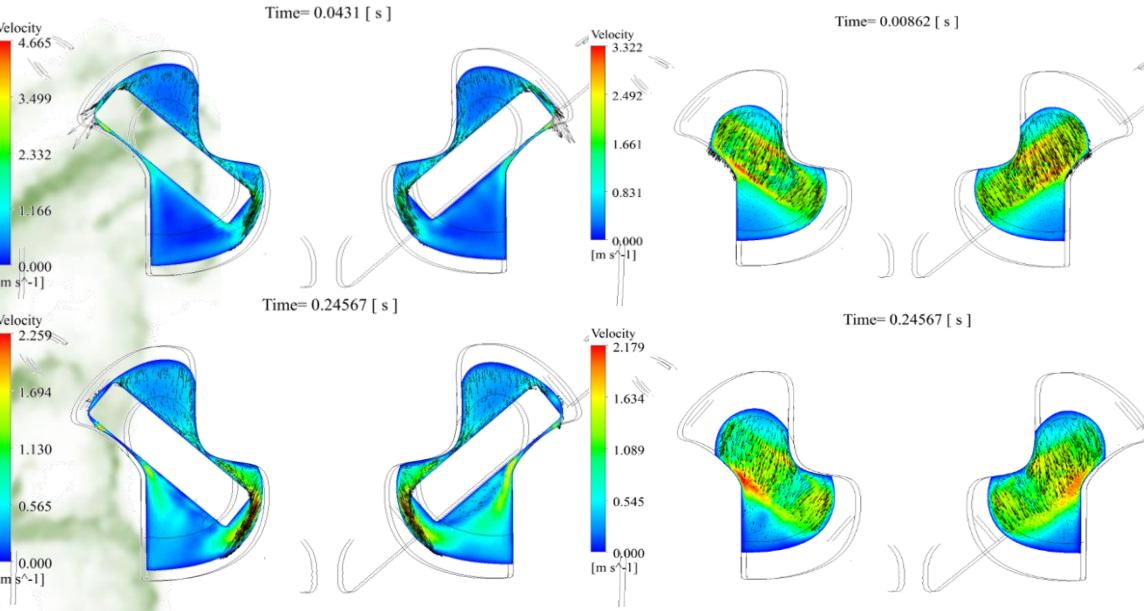
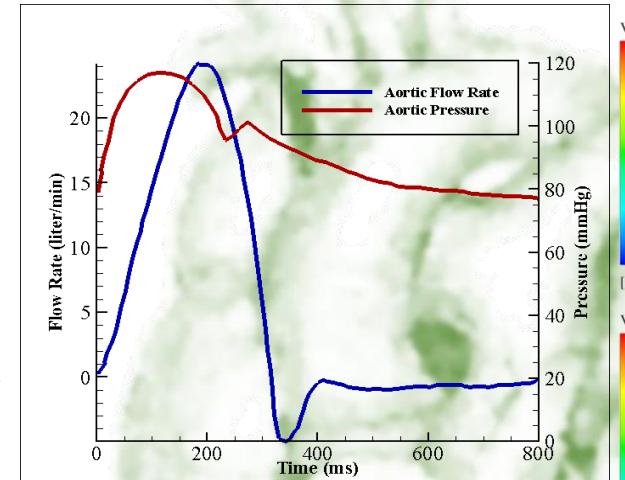




# Investigation of aortic mechanical heart valve effects on the coronary arteries flow rate and potential risk of the atherosclerosis

- About 100% increase in coronary flow rate
- Thrombosis potential in ventricular corner of the hinge recess
- LCA bifurcation is the critical point for atherosclerosis initiation



— Left Coronary Artery — Valve Leakage — Ascending Aorta