

This dataset includes 4DMRI flow data from an in vitro experiment of flow through a model pulmonary artery geometry. Meshes of the associated vessel for use in simulations are also included. Data was used in the following publications:

In Vitro Assessment of Right Ventricular Outflow Tract Anatomy and Valve Orientation Effects on Bioprosthetic Pulmonary Valve Hemodynamics, Schiavone et al, 2020.
<https://doi.org/10.1007/s13239-020-00507-6>

Comparison of Immersed Boundary Simulations of Heart Valve Hemodynamics against In Vitro 4D Flow MRI Data, Kaiser et al, 2023.