Bifurcating Artery - Verification & Validation

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Verification & Validation

You need to carry out the following verification studies on the case with no plaque and the case with plaque configuration #1 and no blood clot.

1. Check that the boundary conditions have been applied correctly.
2. Check that the mesh is fine enough by performing a refinement study. Consider at least one refined mesh in addition to the original mesh.
3. Check that the iterations have converged. You can do this by monitoring the residuals and also another parameter such as total resistance on the walls.
4. Check that mass and momentum are conserved in the flow domain.

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