Effects of using coils for treatment of intracranial aneurysms on hemodynamics

Multiphase & Cardiovascular Flow Lab

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UPTURE

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Role of hemodynamics in intracranial aneurysm development

Hemodynamics -

- Development
- Treatment efficacy
- Intervention
- Healing process
- Re-treatment



Characterize and improve treatment efficacy of intracranial aneurysms

Aim

Value of patient specific models

• Used for:

- computational fluid dynamics
- Characterizing coil morphology







Developing patient specific models



Model making



Experimental & computational fluid dynamics modeling



Thank you!

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Questions?