2019

**Expert recommendations on the assessment of wall shear stress in human coronary arteries: existing methodologies, technical considerations, and clinical applications.**

**Reliable in Vivo Intravascular Imaging Plaque Characterisation: A Challenge Unmet.**

**The emerging role of YAP/TAZ in mechanotransduction.**

**Disturbed flow induces a sustained, stochastic NF-κB activation which may support intracranial aneurysm growth in vivo.**

**Plaque burden influences accurate classification of fibrous cap atheroma by in vivo optical coherence tomography in a porcine model of advanced coronary atherosclerosis.**

2018

**New developments in mechanotransduction: Cross talk of the Wnt, TGF-β and Notch signalling pathways in reaction to shear stress.**

2017

**Interferon Regulatory Factor 5 Controls Necrotic Core Formation in Atherosclerotic Lesions by Impairing Efferocytosis.**

**Connexin40 controls endothelial activation by dampening NFκB activation.**

2016

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**In vivo mapping of vascular inflammation using the translocator protein tracer 18F-FEDAA1106.**

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**Biomechanical factors in atherosclerosis: Mechanisms and clinical implications.**

**An In situ electroporation and flow device for mechanotransduction studies.**

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**Stabilization of atherosclerotic plaques: An update.**

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