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Review**Intravascular hemodynamics and coronary artery disease: new insights and clinical implications**

Marina Zaromytidou^a, Gerasimos Siasos^a, Ahmet U. Coskun^b, Michelle Lucier^a,
Antonios P. Antoniadis^a, Michail I. Papafaklis^a, Konstantinos C. Koskinas^a, Yannis
Andreou^a, Charles L. Feldman^a, Peter H. Stone^a

^a Cardiovascular Division, Brigham and Women's Hospital, Harvard Medical School,
Boston, MA, United States

^b Mechanical and Industrial Engineering, Northeastern University, Boston, MA, United
States

Short title: Intravascular hemodynamics and coronary artery disease

Key words: Endothelial shear stress, atherosclerosis, acute coronary syndromes

Short summary: Intracoronary hemodynamics play a pivotal role in the initiation and progression of the atherosclerotic process. Low pro-inflammatory endothelial shear stress impacts on vascular physiology leading to the occurrence of coronary artery disease and its implications.

Correspondence: Peter H. Stone

Cardiovascular Division,
Brigham and Women's Hospital,
75 Francis St,
Boston, MA 02115, USA
Tel: +1 8573071965
Fax: +1 8573071955
E-mail: pstone@partners.org

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