Inhibiting Proliferation of Smooth Muscle Cells

Technology #1443

The medical device has a coating comprising an HDAC inhibitor containing a plurality of coatings, wherein each coating comprises a biodegradable carrier and one HDAC inhibitor that is eluted from the stent by staged release. A method for inhibiting proliferation and/or migration of non-neoplastic smooth muscle cells in a subject comprises administering to the subject an amount of an HDAC inhibitor effective to inhibit proliferation of smooth muscle cells in the subject.

Restenosis Treatment with Smooth Muscle Cell Growth Inhibitor Coated Stent: The method provides a means of preventing or treating restenosis after angioplasty or stent implantation in a subject.

Related Technologies: IR# 1007 & IR# 1911

Inventors

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