Intravascular Ultrasound-Guided Cutting Balloon Angioplasty for Renal Artery Stent Restenosis

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Summary: Renal artery stenting is the procedure of choice for treating atherosclerotic renal artery stenosis; it improves the acute results of percutaneous balloon angioplasty and has a better long-term outcome, particularly a reduced risk of restenosis. However, the treatment of renal artery stent restenosis is not well established and it is challenging because of limited therapeutic options. A novel technique of treating renal artery stent restenosis using cutting balloon angioplasty guided by intravascular ultrasound is presented.

Key words: neointimal proliferation, atherosclerosis, renal artery stenosis

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