

# Abstracts

## Percutaneous Transluminal Microwave Angioplasty Catheter

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A. Rosen, F. Walinsky, D. Smith, Y. Shi, Z. Kosman, A. Martinez, H. Rosen, F. Sterzer, D. Mawhinney, A. Presser, J.-S. Chou, P. Goth and G. Lowery. "Percutaneous Transluminal Microwave Angioplasty Catheter." 1989 MTT-S International Microwave Symposium Digest 89.1 (1989 Vol. I [MWSYM]): 167-170.

Microwave balloon angioplasty (MBA) combines traditional angioplasty techniques with microwave heating as an ancillary modality to help open narrowed arteries and reduce the occurrence of restenosis. MBA was used in anesthetized rabbits to induce tissue modification in the endothelium and media. Results of initial in-vitro and in-vivo experiments are presented, and the potential advantages of adding microwave heating to balloon angioplasty are discussed.

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