Intravascular ultrasonic comparative analysis of degree of intimal hyperplasia produced by four different stents in the coronary arteries

Rainer Hoffmann, Peter W Radke, Jan R Ortlepp, Philipp K. Haager, Rüdiger Blindt, Ekatarina Iofina, Andreas Franke, Roswitha Langenberg, Christian Weber & Peter Hanrath

Intravascular ultrasound studies were performed at angiographic follow-up on 121 native coronary lesions treated with 1 bare metal stent (n = 50), high-dose dexamethasone-eluting stents (n = 18), non-polymer-based paclitaxel-eluting stents (n = 18), or sirolimus-eluting stents (n = 35). Paclitaxel- and sirolimus-eluting stents reduced mean intimal hyperplasia thickness compared with bare metal stents by 49% and 90% (p = 0.048 and p < 0.001), respectively, whereas mean intimal hyperplasia thickness treated with dexamethasone-eluting stents was similar to those lesions treated with bare metal stents.

**type** journal paper/review (English)
**date of publishing** 15-12-2004
**journal title** The American journal of cardiology (94/12)
**ISSN print** 0002-9149
**pages** 1548-50