

# Clinical trials of P-32

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## 1 restenosis after PCI

Trial	Treatments	Patients	Trials design and methods
<b>P-32 vs placebo</b>			
<b>PREVENT , 2000</b> n=80/25 follow-up: 6 mo	intracoronary radiotherapy with the beta-emitting (32)P, 16, 20, or 24 Gy to a depth of 1 mm in the artery wall versus sham procedure	patients with de novo (70% ) or restenotic (30% ) lesions who were treated by stenting (61% ) or balloon angioplasty (39% )	Parallel groups double blind US
<b>INHIBIT , 2002</b> n=166/166 follow-up: 9 mo	intracoronary beta radiation with a phosphorus-32 source versus placebo	patients with in-stent restenosis and successful coronary intervention	Parallel groups double blind US
<b>START , 2000</b> n=244/232 follow-up: 8 mo	intracoronary radiation with 90Sr/90Y source versus placebo	patients with in-stent restenosis	Parallel groups double blind US

More details and results :

- Intravascular Brachytherapy for restenosis after PCI in all type of patients at <http://www.trialresultscenter.org/go-Q288>

## References

### **PREVENT, 2000:**

Raizner AE, Oesterle SN, Waksman R, Serruys PW, Colombo A, Lim YL, Yeung AC, van der Giessen WJ, Vandertie L, Chiu JK, White LR, Fitzgerald PJ, Kaluza GL, Ali NM Inhibition of restenosis with beta-emitting radiotherapy: Report of the Proliferation Reduction with Vascular Energy Trial (PREVENT). Circulation 2000;102:951-8 [[10961957](#)]

### **INHIBIT, 2002:**

Waksman R, Raizner AE, Yeung AC, Lansky AJ, Vandertie L Use of localised intracoronary beta radiation in treatment of in-stent restenosis: the INHIBIT randomised controlled trial. Lancet 2002;359:551-7 [[11867107](#)]

### **START, 2000:**

Silber S, Popma JJ, Suntharalingam M, Lansky AJ, Heuser RR, Speiser B, Teirstein PS, Bass T, O'Neill W, Lasala J, Reisman M, Sharma SK, Kuntz RE, Bonan R Two-year clinical follow-up of 90Sr/90 Y beta-radiation versus placebo control for the treatment of in-stent restenosis. Am Heart J 2005;149:689-94 [[15990754](#)]

Popma JJ, Suntharalingam M, Lansky AJ, Heuser RR, Speiser B, Teirstein PS, Massullo V, Bass T, Henderson R, Silber S, von Rottkay P, Bonan R, Ho KK, Osattin A, Kuntz RE Randomized trial of 90Sr/90Y beta-radiation versus placebo control for treatment of in-stent restenosis. *Circulation* 2002;106:1090-6 [[12196334](#)]

Entry terms: nesiritide, Brain Natriuretic Peptide, BNP-32, BNP 32, Nesiritide, B-Type Natriuretic Peptide, BNP Gene Product, Type-B Natriuretic Peptide, Type B Natriuretic Peptide, Natriuretic Peptide Type-B, Natriuretic Peptide Type B, Natriuretic Factor-32, Natriuretic Factor 32, Brain Natriuretic Peptide-32, Brain Natriuretic Peptide 32, Natrecor,