

expands your treatment options.

Designed for multiple Indications

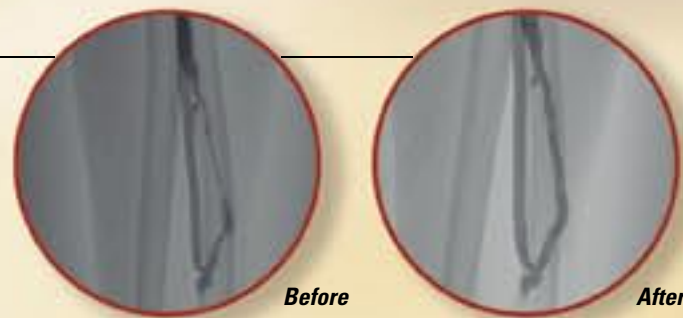
The Peripheral Cutting Balloon™ device is designed for multiple indications:

Hemodialysis Access Management (HAM) :

The PCB scores then dilates fibrotic venous lesions common to hemodialysis access interventions.

- Dr Singer-Jordan et al. "Cutting Balloon™ angioplasty for primary treatment of hemodialysis fistula venous stenoses." J Vasc Interv Radiol 2005; 16:25-29.
- Dr Mc Bride "2 years experience with the new Peripheral Cutting Balloon™ for stenoses of native fistulas" CRSE 2004 abstract
- P. Dr Perugini "Results of a Peripheral Cutting Balloon™ Prospective Multicenter European Registry in Hemodialysis Vascular Access" VAS congress 2005

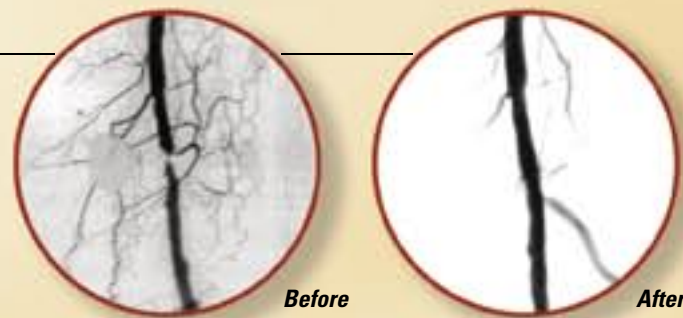
Data available on request



Superficial Femoral Artery:

The PCB opens resistant focal lesions at less pressure.

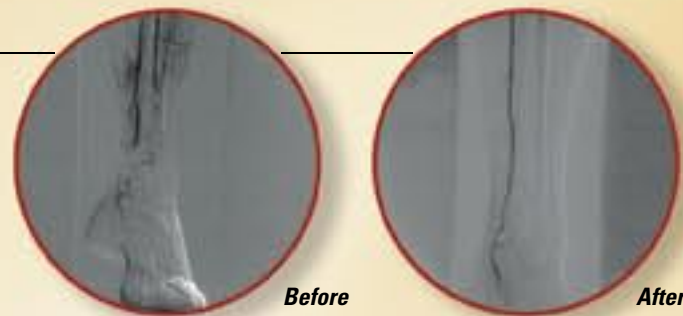
- Dr Rabbi et al. "Early Results with infrainguinal Cutting Balloon™ Angioplasty limits distal dissection", Annals of Vascular Surgery 2004; 18: 640-643



Lower Extremity Occlusive Disease (LEOD) :

The PCB provides effective dilatation with less trauma in popliteal and infrapopliteal disease.

- Dr Ansel et al. "Cutting Balloon™ Angioplasty of the Popliteal and Infrapopliteal Vessels for Symptomatic Limb Ischemia" Catheterization and Cardiovascular Interventions 61:1-4 (2004)



Peripheral Cutting Balloon™

Microsurgical Dilatation Device

Ordering Information*

0.014"	Order Number	Description	Atherotomes	Shaft	Recommended Introducer Sheath
0.014" Peripheral Cutting Balloon™ Product Matrix: 1.5 cm Balloon Length Monorail™ System	M001BPM1 20015B0	2.00 mm x 1.5 cm x 140 cm	3	3.0-2.0F	6F
	M001BPM1 25015B0	2.50 mm x 1.5 cm x 140 cm	3	3.0-2.0F	6F
	M001BPM1 30015B0	3.00 mm x 1.5 cm x 140 cm	3	3.0-2.0F	6F
	M001BPM1 35015B0	3.50 mm x 1.5 cm x 140 cm	4	3.0-2.0F	6F
	M001BPM1 40015B0	4.00 mm x 1.5 cm x 140 cm	4	3.0-2.0F	6F

0.018"	Order Number	Description	Atherotomes	Shaft	Recommended Introducer Sheath
0.018" Peripheral Cutting Balloon™ Product Matrix: 1.0 cm Balloon Length Over The Wire System	M001BP50510B0	5.00 mm x 1 cm x 50 cm	4	4.2F	7F
	M001BP90510B0	5.00 mm x 1 cm x 90 cm	4	4.2F	7F
	M001BP35510B0	5.00 mm x 1 cm x 135 cm	4	4.2F	7F
	M001BP505510B0	5.50 mm x 1 cm x 50 cm	4	4.2F	7F
	M001BP905510B0	5.50 mm x 1 cm x 90 cm	4	4.2F	7F
	M001BP355510B0	5.50 mm x 1 cm x 135 cm	4	4.2F	7F
	M001BP50610B0	6.00 mm x 1 cm x 50 cm	4	4.2F	7F
	M001BP90610B0	6.00 mm x 1 cm x 90 cm	4	4.2F	7F
	M001BP35610B0	6.00 mm x 1 cm x 135 cm	4	4.2F	7F
	M001BP50710B0	7.00 mm x 1 cm x 50 cm	4	4.2F	7F
	M001BP90710B0	7.00 mm x 1 cm x 90 cm	4	4.2F	7F
	M001BP35710B0	7.00 mm x 1 cm x 135 cm	4	4.2F	7F
	M001BP50810B0	8.00 mm x 1 cm x 50 cm	4	4.2F	7F
	M001BP90810B0	8.00 mm x 1 cm x 90 cm	4	4.2F	7F
	M001BP35810B0	8.00 mm x 1 cm x 135 cm	4	4.2F	7F

0.018"	Order Number	Description	Atherotomes	Shaft	Recommended Introducer Sheath
0.018" Peripheral Cutting Balloon™ Product Matrix: 2.0 cm Balloon Length Over The Wire System	M001BP50520B0	5.00 mm x 2 cm 50 cm	4	4.2F	7F
	M001BP90520B0	5.00 mm x 2 cm 90 cm	4	4.2F	7F
	M001BP35520B0	5.00 mm x 2 cm 135 cm	4	4.2F	7F
	M001BP50620B0	6.00 mm x 2 cm 50 cm	4	4.2F	7F
	M001BP90620B0	6.00 mm x 2 cm 90 cm	4	4.2F	7F
	M001BP35620B0	6.00 mm x 2 cm 135 cm	4	4.2F	7F
	M001BP50720B0	7.00 mm x 2 cm 50 cm	4	4.2F	7F
	M001BP90720B0	7.00 mm x 2 cm 90 cm	4	4.2F	7F
	M001BP35720B0	7.00 mm x 2 cm 135 cm	4	4.2F	7F
	M001BP50820B0	8.00 mm x 2 cm 50 cm	4	4.2F	7F
	M001BP90820B0	8.00 mm x 2 cm 90 cm	4	4.2F	7F
	M001BP35820B0	8.00 mm x 2 cm 135 cm	4	4.2F	7F

Rated Burst Pressure: 10 ATM

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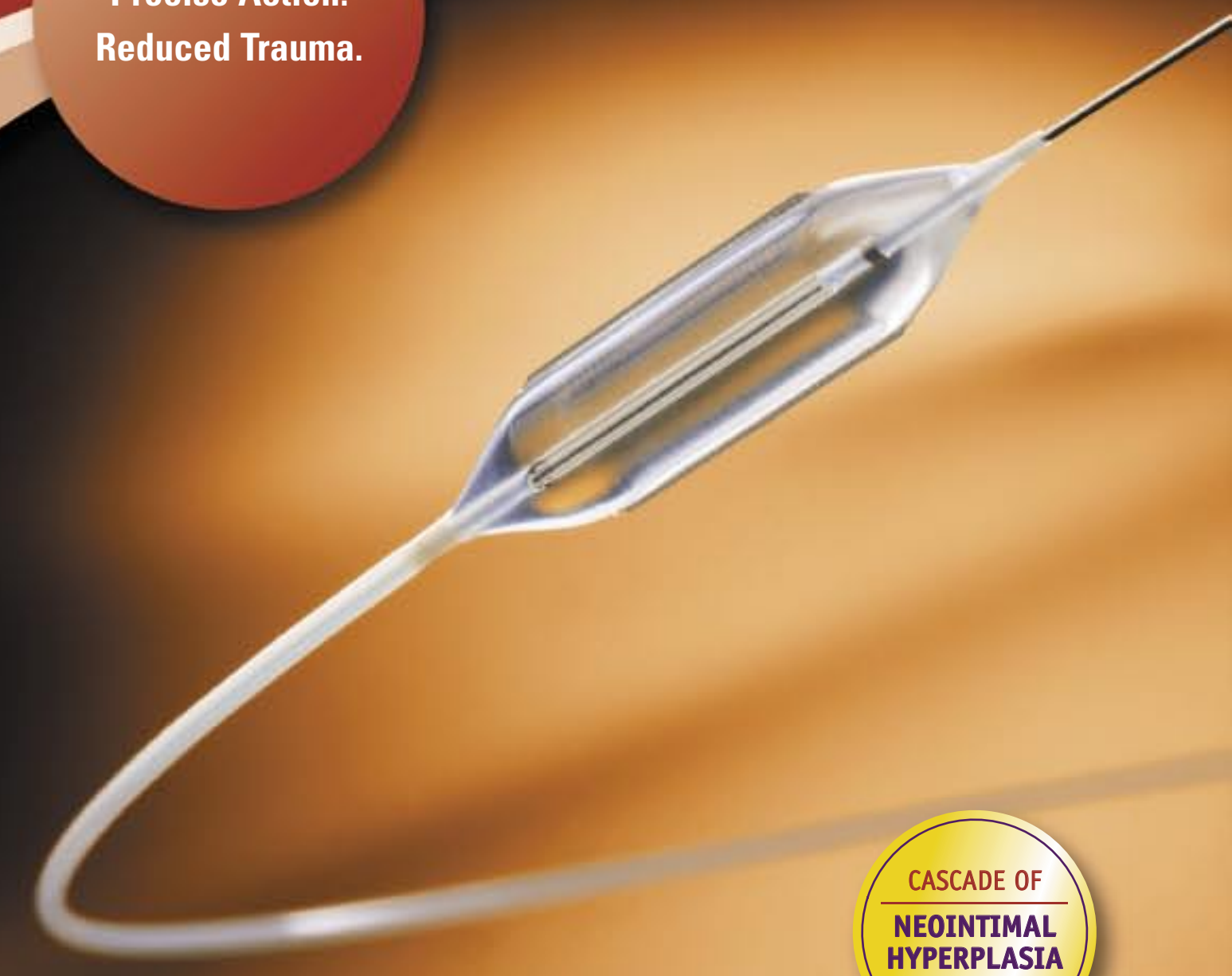
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Peripheral Cutting Balloon™

Microsurgical Dilatation Device

Boston Scientific

Precise Action.
Reduced Trauma.



CASCADE OF
NEOINTIMAL
HYPERPLASIA
INSIDE

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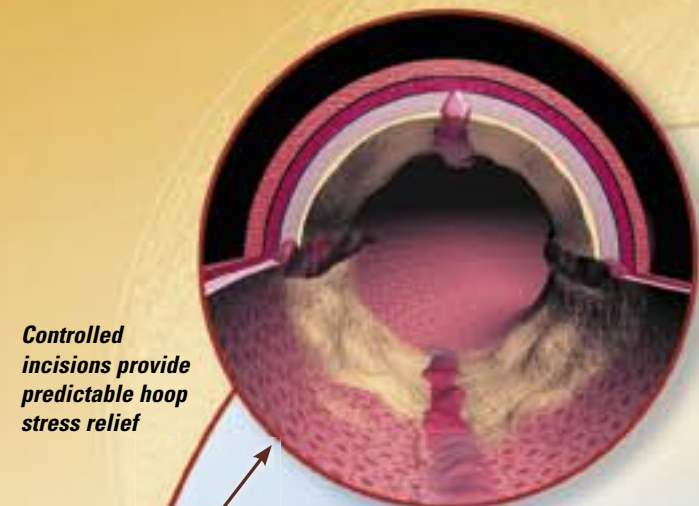
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DINPER2107EB

Expand your treatment options

Microsurgical dilatation for reduced vessel trauma

The Peripheral Cutting Balloon™

The Peripheral Cutting Balloon™ device features an innovative mechanism of action that reduces hoop stress and trauma. The Peripheral Cutting Balloon™ provides you added treatment flexibility when you need it most



Innovative Mechanism of Action

The Peripheral Cutting Balloon™ device has an innovative mechanism of action, referred to as atherotomy, which utilizes atherotomes mounted on the surface of a non-compliant balloon to:

- Score, then dilate the lesion
- Disrupt the elastic and fibrotic continuity of the lesion
- Allow for gentle and controlled dilatation

Reduces Hoop Stress and Trauma

Atherotomy relieves hoop stress by making small, precisely controlled incisions.* Balloon dilatation and stent implantation cause a vascular inflammation reaction. Decrease of trauma, limitation of inflammation should decrease restenosis rate.

The Peripheral Cutting Balloon™:

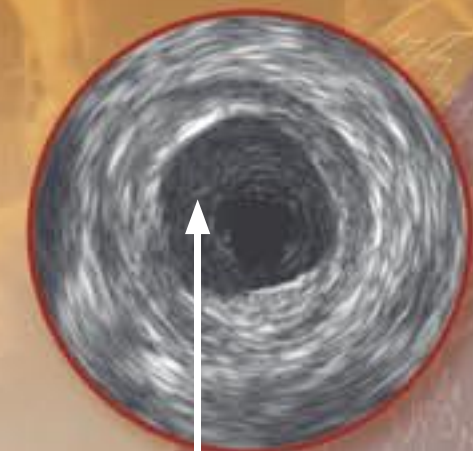
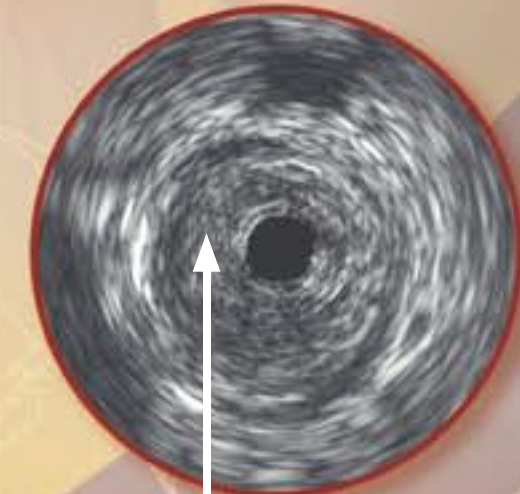
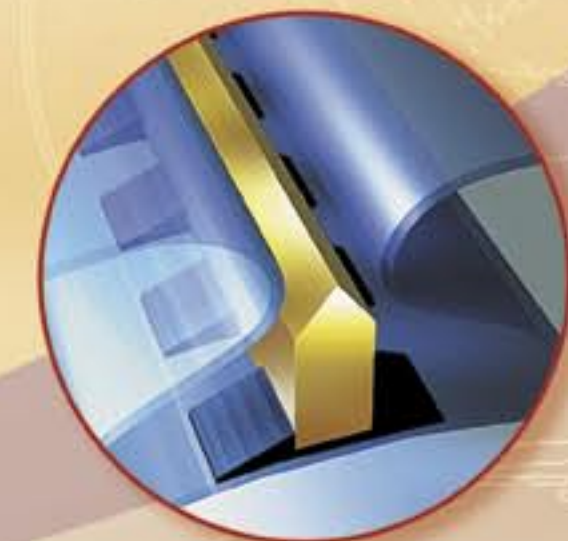
- Reduces barotrauma
- Induces less perivascular injury
- Induces less vessel elastic recoil

Provides Greater Treatment Flexibility

The Peripheral Cutting Balloon™ device provides added treatment flexibility by enabling physicians to use the device:

- As a stand-alone treatment
- Or in conjunction with other treatment options

*Flexible Over the Wire system available for 0.018" wire platform.
Monorail™ system available for 0.014" wire platform.*



Shown to be safe and effective*

Cutting Balloon™ Angioplasty (CBA) has been shown to be safe and effective when compared to conventional angioplasty:

- Clinical trials show a reduction in biochemical marker response to injury suggesting lower restenosis rates
- IVUS evaluations show CBA to dilate the vessel at lower pressure and increase greater luminal diameters
- Increased luminal diameters with CBA suggests greater plaque compression rather than vessel wall expansion

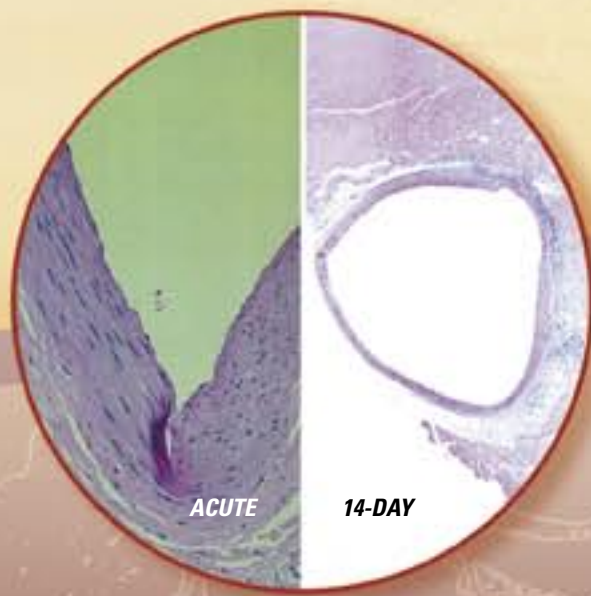
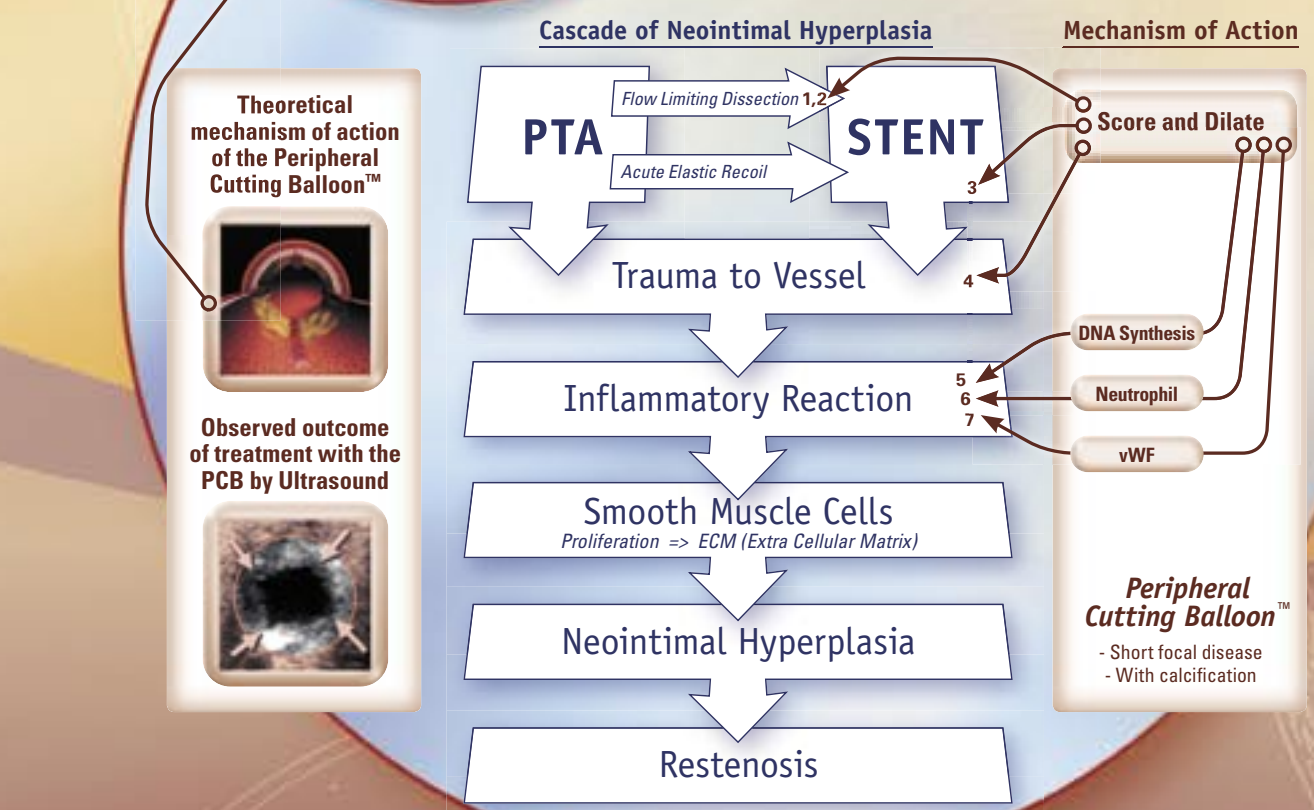
(Hara et al, 2002)
** Pictures courtesy of Dr W. Higashiura - Department of Radiology -Nara Medical University Japan

Designed for safety and ease of use*

The Cutting Balloon™ device is engineered to be safe and easy to use:

- Folding design protects healthy tissue when tracking
- Tapered tip makes it easy to penetrate and cross the lesion
- MDX coating reduces resistance for improved crossability

* Data on file



Results of porcine artery overstretched by 30% with Cutting Balloon™ device.
Photos taken by Boston Scientific

Image source: Data on file at BSC.

1 Early Results with Intraarterial Cutting Balloon Angioplasty Limits Distal Dissection. Robbi et al., Ann Vasc Surg, 2004
2 Cutting Balloon Angioplasty vs PTA for de-novo SFA-Stenosis. Schainert et al., CIRSE 2004
3 Early Outcome of "Cutting" Balloon Angioplasty for Intraarterial Vein Graft Stenosis. Kasrajan et al., Journal of Vasc Surgery, 2003
4 Cutting Balloon Angioplasty of the Popliteal and Infrapopliteal Vessels for Symptomatic Limb Ischemia. Ansel et al., Catheterization and Cardiovascular Interventions, 2004
5 Growth Factor Expression, Deoxyribonucleic Acid Synthesis and Cellular Proliferation after Cutting Balloon Coronary Angioplasty. Popov et al., Euro Heart J 1994
6 Lower Expression of Neutrophil Adhesion Molecule Indicates Less Vessel Wall Injury and Might Explain Lower Restenosis Rate after Cutting Balloon Angioplasty. Inoue et al., Am Heart Association 1998
7 Patterns of Endothelial Injury after Cutting Balloon Angioplasty (CBA) and Plain Old Balloon Angioplasty (POBA) Analysis by von Willebrand Factor (vWF). Yamamoto et al., Jpn J Interv Cardiol 2000

