

# PUBLICATIONS

B.H. Walpoth, MD

## Cardiovascular research

### Development of vascular prostheses and new devices

**B. Walpoth**, A. Ammon, J. Galdikas, H.B. Ris, T. Schaffner, F. Höflin, W. Schilt, D. Mettler, B. Nachbur, U. Althaus: Experimental assessment of thrombogenicity in vascular prostheses before and during Prostaglandin E1 treatment. *Eur J Vasc Surg.* **1993**;7:493-499. (IF 1.484)

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Matthew J. Smith<sup>1</sup>, Michael J. McClure<sup>1</sup>, Scott A. Sell<sup>1</sup>, Catherine P. Barnes<sup>1</sup>, **Beat H. Walpoth**<sup>2</sup>, David G. Simpson<sup>3</sup>, and Gary L. Bowlin<sup>1</sup>. Suture-Reinforced Electrospun Polydioxanone – Elastin Small-Diameter Tubes for Use in Vascular Tissue Engineering: A Feasibility Study. *Acta Biomaterialia*, **2008**;4(1):58-66. (IF 2.132)

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Pektok E, Nottelet B, Tille J-C, Gurny R, Kalangos A, Moeller M, **Walpoth BH**. Degradation and healing characteristics of small-diameter poly(e-caprolactone) vascular grafts in the rat systemic arterial circulation. *Circulation*. **2008**;118:2563-2570 (IF 12.755)

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McClure MJ, Sell SA, Simpson DG, **Walpoth BH**, Bowlin GL. A three-layered electrospun matrix to mimic native arterial architecture using polycaprolactone, elastin, and collagen: a preliminary study. *Acta Biomater*. **2010** Jul;6(7):2422-33. Epub 2010 Jan 11.

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Mrówczyński W, Mugnai D, de Valence S, Tille JC, Khabiri E, Cikirikcioglu M, Möller M, **Walpoth BH**. Porcine carotid artery replacement with biodegradable electrospun poly-ε-caprolactone vascular prosthesis. *J Vasc Surg.* **2014**; 59: 210-9.

Wojciech Mrowczynski, Alessio Rungatscher, Franz Buchegger, Jean-Christophe Tille, Sophy Namy, Osman Ratib, Michael Kutryk, **Beat Hans Walpoth**. Biological Effects of Anti-CD34-coated ePTFE Vascular Grafts. Early *in vivo* Experimental Results. *Kardiochirurgia I Torakochirurgia Polska* **2014**;11(2):1-9

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