

Publikationsliste Dr. B. Rosengarten (Stand: 1/2005):

- 1: Rosengarten B, Osthaus S, Kaps M. Influence of stimulus duration on the neurovascular coupling response. *Ultraschall Med.* 2004 Apr;25(2):116-9.
- 2: Rosengarten B, Gruessner S, Aldinger C, Kunzel W, Kaps M. Abnormal regulation of maternal cerebral blood flow under conditions of gestational diabetes mellitus. *Ultraschall Med.* 2004 Feb;25(1):34-9.
- 3: Rosengarten B, Lutz H, Hossmann KA. A control system approach for evaluating somatosensory activation by laser-Doppler flowmetry in the rat cortex. *J Neurosci Methods.* 2003 Nov 30;130(1):75-81.
- 4: Rosengarten B, Osthaus S, Kaps M. Doppler investigation of within-session reproducibility in a visual stimulation task to assess the volunteer-dependent variation. *Cerebrovasc Dis.* 2003;16(1):53-60.
- 5: Rosengarten B, Budden C, Osthaus S, Kaps M. Effect of heart rate on regulative features of the cortical activity-flow coupling. *Cerebrovasc Dis.* 2003;16(1):47-52.
- 6: Rosengarten B, Steen-Muller MK, Muller A, Traupe H, Voss RK, Kaps M. Contrast media effect on cerebral blood flow regulation after performance of cerebral or coronary angiography. *Cerebrovasc Dis.* 2003;16(1):42-6.
- 7: Rosengarten B, Sperner J, Gorgen-Pauly U, Kaps M. Cerebrovascular reactivity in adolescents with migraine and tension-type headache during headache-free interval and attack. *Headache.* 2003 May;43(5):458-63.
- 8: Rosengarten B, Aldinger C, Spiller A, Kaps M. Neurovascular coupling remains unaffected during normal aging. *J Neuroimaging.* 2003 Jan;13(1):43-7.
- 9: Rosengarten B, Osthaus S, Auch D, Kaps M. Effects of acute hyperhomocysteinemia on the neurovascular coupling mechanism in healthy young adults. *Stroke.* 2003 Feb;34(2):446-51.
- 10: Rosengarten B, Spiller A, Aldinger C, Kaps M. Control system analysis of visually evoked blood flow regulation in humans under normocapnia and hypercapnia. *Eur J Ultrasound.* 2003 Feb;16(3):169-75.
- 11: Zonta M, Angulo MC, Gobbo S, Rosengarten B, Hossmann KA, Pozzan T, Carmignoto G. Neuron-to-astrocyte signaling is central to the dynamic control of brain microcirculation. *Nat Neurosci.* 2003 Jan;6(1):43-50.
- 12: Rosengarten B, Osthaus S, Kaps M. Overshoot and undershoot: control system analysis of haemodynamics in a functional transcranial Doppler test. *Cerebrovasc Dis.* 2002;14(3-4):148-52.
- 13: Rosengarten B, Aldinger C, Kaufmann A, Kaps M. Neurovascular coupling remains unaffected by glyceryl trinitrate. *Cerebrovasc Dis.* 2002;14(1):58-60. No abstract available.

- 14: Rosengarten B, Ruskes D, Mendes I, Stolz E. A sudden arterial blood pressure decrease is compensated by an increase in intracranial blood volume. *J Neurol*. 2002 May;249(5):538-41.
- 15: Rosengarten B, Kaps M. Peak systolic velocity Doppler index reflects most appropriately the dynamic time course of intact cerebral autoregulation. *Cerebrovasc Dis*. 2002;13(4):230-4.
- 16: Rosengarten B, Dost A, Kaufmann A, Gortner L, Kaps M. Impaired cerebrovascular reactivity in type 1 diabetic children. *Diabetes Care*. 2002 Feb;25(2):408-10. No abstract available.
- 17: Rosengarten B, Kaps M. Cerebral autoregulation in middle cerebral artery territory precedes that of posterior cerebral artery in human cortex. *Cerebrovasc Dis*. 2002;13(1):21-5.
- 18: Rosengarten B, Aldinger C, Kaufmann A, Kaps M. Comparison of visually evoked peak systolic and end diastolic blood flow velocity using a control system approach. *Ultrasound Med Biol*. 2001 Nov;27(11):1499-503.
- 19: Rosengarten B, Huwendiek O, Kaps M. Neurovascular coupling in terms of a control system: validation of a second-order linear system model. *Ultrasound Med Biol*. 2001 May;27(5):631-5.
- 20: Rosengarten B, Huwendiek O, Kaps M. Neurovascular coupling and cerebral autoregulation can be described in terms of a control system. *Ultrasound Med Biol*. 2001 Feb;27(2):189-93.
- 21: Gerriets T, Tetzlaff K, Liceni T, Schafer C, Rosengarten B, Kopsiske G, Algermissen C, Struck N, Kaps M. Arteriovenous bubbles following cold water sport dives: relation to right-to-left shunting. *Neurology*. 2000 Dec 12;55(11):1741-3.
- 22: Mayer TE, Hamann GF, Baranczyk J, Rosengarten B, Klotz E, Wiesmann M, Missler U, Schulte-Altedorneburg G, Brueckmann HJ. Dynamic CT perfusion imaging of acute stroke. *AJNR Am J Neuroradiol*. 2000 Sep;21(8):1441-9.
- 23: Baader SL, Schilling ML, Rosengarten B, Pretsch W, Teutsch HF, Oberdick J, Schilling K. Purkinje cell lineage and the topographic organization of the cerebellar cortex: a view from X inactivation mosaics. *Dev Biol* 1996; 174: 393-406