

Der Schlaganfall: Ein echter Notfall

Autor:

Dr. Peter Rupp
Chefarzt
Notfallzentrum
Hirslanden
Kliniken Bern,
Schänzlistr. 39,
CH-3013 Bern,
peter.rupp@
hirslanden.ch

Literatur:

- Adams HP, del Zoppo G, Alberts MJ et al. (2007) Guidelines for the early management of adults with ischemic stroke: A guideline from the American Heart Association/American Stroke Association Stroke Council, Clinical Cardiology Council, Cardiovascular Radiology and Intervention Council, and the Atherosclerotic Peripheral Vascular Disease and Quality of Care Outcomes in Research Interdisciplinary Working Groups
- Albers GW, Amarenco P, Easton JD et al. (2004) Antithrombotic and thrombolytic therapy for ischemic stroke. The seventh ACCP conference on antithrombotic and thrombolytic therapy. *Chest* 126: 483-512
- Berger K (2001) Epidemiologie zerebrovaskulärer Erkrankungen. Hartmann A, Heiss WD (Hrsg.) *Der Schlaganfall*. Steinkopff, Darmstadt
- Brainin M, Bornstein N, Boysen G, Demarin V (2000) Acute neurological stroke care in Europe: results of the European Stroke Care Inventory. *Eur J Neurol* 7: 5-10
- Britton M, Carlsson A, de Faire U (1986) Blood pressure course in patients with acute stroke and matched controls. *Stroke* 17: 861-864
- Broderick J, Brott T, Barsan W et al. (1993) Blood pressure during the first minutes of focal cerebral ischemia. *Ann Emerg Med* 22: 1438-1443
- Capes SE, Hunt D, Malmberg K et al. (2001) Stress hyperglycemia and prognosis of stroke in nondiabetic and diabetic patients: a systematic overview. *Stroke* 32: 2426-2432
- Eames PJ, Blake MJ, Dawson SL et al. (2002) Dynamic cerebral autoregulation and beat to beat blood pressure control are impaired in acute ischaemic stroke. *J Neurol Neurosurg Psychiatry* 72: 467-472
- Johnston SC, Nguyen-Huynh MN, Schwarz ME et al. (2006) National Stroke Association guidelines for the management of transient ischemic attacks. *Ann Neurol* 60: 301-313
- Leonardi-Bee J, Bath PM, Phillips SJ, Sandercock PA (2002) Blood pressure and clinical outcomes in the International Stroke Trial. *Stroke* 33: 1315-1320
- Pulsinelli WA, Levy DE, Sigsbee B et al. (1983) Increased damage after ischemic stroke in patients with hyperglycemia with or without established diabetes mellitus. *Am J Med* 74: 540-544
- Rothwell PM, Giles MF, Chandratheva A et al. (2007) Effect of urgent treatment of transient ischaemic attack and minor stroke on early recurrent stroke (EXPRESS study): a prospective population-based sequential comparison. *Lancet* 371: 1432-1444
- Sacco RL, Adams R, Albers G et al. (2006) Guidelines for prevention of stroke in patients with ischemic stroke or transient ischemic attack: a statement for healthcare professionals from the American Heart Association/American Stroke Association Council on Stroke: co-sponsored by the Council on Cardiovascular Radiology and Intervention; American Academy of Neurology. *Stroke* 37: 577-617
- Busse O, Einhäupl KM, Hartmann A, Meixensberger J, Ringelstein EB, Schneider D, Schwartz A, Sefrin P (1999) Fortbildungsreihe Schlaganfall. *Pharmacia Upjohn, Erlangen*
- Einhäupl KM, Diener HC, Hacke W, Humerici M, Ringelstein EB (1999) Behandlung des akuten ischämischen Insults. *Dtsch Arztl 96: A1131-113*
- Grond M (2000) Therapie des ischämischen Schlaganfalls. *Fibrinolyse* 10: 2-7
- Jorgensen HS, Nakayama H, Raaschou HO (1994) Effect of blood pressure and diabetes on stroke in progression. *Lancet* 344: 156-159
- Reith J, Jorgensen HS, Pedersen PM et al. (1996) Body temperature in acute stroke: relation to stroke severity, infarct size, mortality and outcome. *Lancet* 347: 422-425
- Sefrin P, Rupp P, Grond M (2000) Die präklinische Akutversorgung des Schlaganfalls – Ergebnisse eines Expertengesprächs in Lindau 1999. *Der Notarzt* 16: 61-64
- Steiner T, Hennes H-J, Ringleb P, Bertram M, Hacke W (1999) Zeitbasiertes Management des akuten Schlaganfalls. *Notfall- und Rettungsmedizin* 2: 400-407
- Wahlgren NG, MacMahon DG, De Keyser J et al. (1994) Intravenous Nimodipine West European Strike Trial (INWEST) of nimodipine in the treatment of acute ischaemic stroke. *Cerebrovasc dis* 4: 204-210
- Weir E, Dyker A, Lees K (1997) Hyperglycaemia after acute stroke. *Brit Med J* 315: 811
- Weltermann B, vom Eyser D, Kleine-Zander R, Riedel T, Dieckmann J, Ringelstein EB (1999) Notarzteinsätze für Schlaganfallpatienten im Raum Münster. *Dtsch. Med. Wschr.* 124: 1192-1196
- Woo E, Chan YW, Yu YL (1988) Admission glucose levels in relation to mortality and morbidity outcome in 252 stroke patients. *Stroke* 19: 185-191
- Mackay J, Mensah GA (2004) The WHO Atlas of Heart Disease and Stroke, Genf. Siehe auch Kapitel 15 Global burden of stroke unter: www.who.int/cardiovascular_diseases/resources/atlas/en/
- Interdisziplinäres Zentrum für Public Health der Friedrich-Alexander-Universität Erlangen-Nürnberg IZPH (Hrsg) (2003) Schlaganfall in Deutschland. Erlanger Schlaganfall Register im Rahmen der Gesundheitsberichterstattung (GBE) des Bundes. Siehe auch www.public-health.de
- Kolominsky-Rabas P, Heuschmann PU (2002) Inzidenz, Ätiologie und Langzeitprognose des Schlaganfalls. *Fortschritte der Neurologie – Psychiatrie*, 70: 657-662, Georg Thieme Verlag, Stuttgart
- Kolominsky-Rabas P et al. (2006) Lifetime Cost of Ischemic Stroke in Germany: Results and National Projections From a Population-Based Stroke Registry. *Stroke* 37: 1179-1183
- Hacke W (Hrsg.) (2008) Akuttherapie des ischämischen Schlaganfalls. Gemeinsame Leitlinie der Deutschen Gesell-



schaft für Neurologie (DGN) und der Deutschen Schlaganfall-Gesellschaft (DSG)

30. Wojner-Alexander AW, Garami Z, Chernyshev O, Alexandrov A (2005) Heads down. Flat positioning improves blood flow velocity in acute ischemic stroke. *Neurology* 65: 1514
31. Diener HC (2005) – Update Schlaganfall 2005. Guidelines der Schweizer Gesellschaft für Neurologie, S. 298
32. Castillo J, Leira R, García MM, Serena J, Blanco M, Dávalos A (2004) Blood pressure decrease during the acute phase of ischemic stroke is associated with brain injury and poor stroke outcome. *Stroke* 35(2): 520-6