

Transiente ischämische Attacke – ein Notfall!

Accident ischémique transitoire – une urgence médicale!

Literatur / Références

- 1 Easton JD, Saver JL, Albers GW, et al. Definition and evaluation of transient ischemic attack. A scientific statement for healthcare professionals from the American Heart Association/American Stroke Association Stroke Council; Council on Cardiovascular Surgery and Anesthesia; Council on Cardiovascular Radiology and Intervention; Council on Cardiovascular Nursing; and the Interdisciplinary Council on Peripheral Vascular Disease. *Stroke* 2009;40:2276-93.
- 2 Kidwell CS, Alger JR, Di Salle F, et al. Diffusion MRI in patients with transient ischemic attacks. *Stroke* 1999; 30: 1174-1180.
- 3 H. Mattle, M. Mumenthaler. *Neurologie*. Thieme-Verlag, 13. Auflage, S. 138f.
- 4 Grimley EJ. Transient neurological dysfunction and risk of stroke in an elderly English population: the different significance of vertigo and non-rotatory dizziness. *Age Ageing* 1990; 19: 43–49.
- 5 Bos MJ, van Rijn MJE, Witteman JCM, Hofman A, Koudstaal PJ, Breteler MMB. Incidence and prognosis of transient neurological attacks. *JAMA* 2007; 298: 2877–85.
- 6 Paul NL, Simoni M, Rothwell PM; Oxford Vascular Study. Transient isolated brainstem symptoms preceding posterior circulation stroke: a population-based study. *Lancet Neurol*. 2013 Jan;12(1):65-71.
- 7 A. Hufschmidt, C. H. Lücking, S. Rauer. *Neurologie compact*, 5. Auflage, S.60f.
- 8 Adams HP Jr, Bendixen BH, Kappelle LJ, et al. Classification of subtype of acute ischemic stroke. Definitions for use in a multicenter clinical trial. TOAST. Trial of Org 10172 in Acute Stroke Treatment. *Stroke* 1993; 24:35-41.
- 9 Hand PJ, Kwan J, Lindley RI, Dennis MS, Wardlaw JM. Distinguishing between stroke and mimic at the bedside: the brain attack study. *Stroke*. 2006 Mar;37(3):769-75. Epub 2006 Feb 16.
- 10 Fernandes PM, Whiteley WN, Hart SR, Al-Shahi Salman R. Strokes: mimics and chameleons. *Pract Neurol*. 2013 Feb;13(1):21-8. doi: 10.1136/practneurol-2012-000465.
- 11 Toi H, Uno M, Harada M, Yoneda K, Morita N, Matsubara S, Satoh K, Nagahiro S. Diagnosis of acute brain-stem infarcts using diffusion-weighted MRI. *Neuroradiology* 2003; 45: 352-356.
- 12 Tong T, Yao Z, Feng X. Combined diffusion- and perfusion-weighted imaging: a new way for the assessment of hemispheric transient ischemic attack patients. *Int J Dev Neurosci*. 2011 Feb;29(1):63-9. doi: 10.1016/j.ijdevneu.2010.09.002. Epub 2010 Sep 22.
- 13 A. Förster, A Gass, R. Kern, H. Ay, A. Chatzkonstantinou, M.G. Hennerici, K. Szabo. Brain Imagin in Patients with Transient Ischemic Attack: A comparisom of Computed Tomography and Magnetic Resonance Imaging. *Eur Neurol* 2012; 67: 136-1.
- 14 Kleinman JT, Mlynash M, Zaharchuk G, Oggie AA, Straka M, Lansberg MG, Schwartz NE, Singh P, Kemp S, Bammer R, Albers GW, Olivot JM. Yield of CT perfusion for the evaluation of transient ischaemic attack. *Int J Stroke*. 2012 Dec 11. doi: 10.1111/j.1747-4949.2012.00941.x. [Epub ahead of print]
- 15 Chandratheva A1, Mehta Z, Geraghty OC, Marquardt L, Rothwell PM; Oxford Vascular Study Neurology. Population-based study of risk and predictors of stroke in the first few hours after a TIA. *2009 Jun 2;72(22):1941-7.*
- 16 Coull AJ1, Lovett JK, Rothwell PM; Oxford Vascular Study. Population based study of early risk of stroke after transient ischaemic attack or minor stroke: implications for public education and organisation of services. *BMJ*. 2004 Feb 7;328(7435):326.
- 17 Johnston SC, Gress DR, Browner WS, Sidney S. Short-term prognosis after emergency department diagnosis of transient ischemic attack. *JAMA*. 2000;284:2901–2906.
- 18 Lovett JK, Dennis MS, Sandercock PA, Bamford J, Warlow CP, Rothwell PM. Very early risk of stroke after a first transient ischemic attack. *Stroke*. 2003;34:e138–e140.
- 19 Rao SV, Ohman EM, Granger CB, Armstrong PW, Gibler WB, Christenson RH, Hasselblad V, Stebbins A, McNulty S, Newby LK. Prognostic value of isolated troponin elevation across the spectrum of chest pain syndromes. *Am J Cardiol*. 2003 Apr 15;91(8):936-40.
- 20 Heyman A, Wilkinson WE, Hurwitz BJ, Haynes CS, Utley CM, Rosati RA, Burch JG, Gore TB. Risk of ischemic heart disease in patients with TIA. *Neurology*. 1984 May;34(5):626-30.
- 21 Rothwell PM, Giles MF, Flossmann E, Lovelock CE, Redgrave JN, Warlow CP, Mehta Z. A simple score (ABCD) to identify individuals at high early risk of stroke after transient ischemic attack. *Lancet* 2005; 366:29-36.
- 22 Johnston SC, Rothwell PM, Nguyen-Huynh MN, Giles MF, Elkins JS, Bernstein AL, Sidney S. Validation and refinement of scores to predict very early stroke risk after transient ischaemic attack. *Lancet*. 2007 Jan 27;369(9558):283-92.
- 23 Amarenco P, Labreuche J, Lavallée PC. Patients with transient ischemic attack with ABCD2 <4 can have similar 90-day stroke risk as patients with transient ischemic attack with ABCD2 ≥4. *Stroke*. 2012 Mar;43(3):863-5. doi: 10.1161/STROKEAHA.111.636506. Epub 2011 Dec 8.
- 24 Rothwell PM, Giles MF, Chandratheva A, Marquardt L, Geraghty O, Redgrave JN, Lovelock CE, Binney LE, Bull LM, Cuthbertson FC, Welch SJ, Bosch S, Alexander FC, Silver LE, Gutnikov SA, Mehta Z; Early use of Existing Prevent-

- tive Strategies for Stroke (EXPRESS) study. Effect of urgent treatment of transient ischaemic attack and minor stroke on early recurrent stroke (EXPRESS study): a prospective population-based sequential comparison. Lancet. 2007 Oct 20;370(9596):1432-42.
- 25 Song B, Fang H, Zhao L, Gao Y, Tan S, Lu J, Sun S, Chandra A, Wang R, Xu Y. Validation of the ABCD3-I Score to Predict Stroke Risk After Transient Ischemic Attack. Stroke. 2013 May;44(5):1244-8. doi: 10.1161/STROKEAHA.113.000969. Epub 2013 Mar 26
- 26 Merwick A, Albers GW, Amarenco P, Arsava EM, Ay H, Calvet D, Coutts SB, Cucchiara BL, Demchuk AM, Furie KL, Giles MF, Labreuche J, Lavallée PC, Mas JL, Olivot JM, Purroy F, Rothwell PM, Saver JL, Sheehan OC, Stack JP, Walsh C, Kelly PJ. Addition of brain and carotid imaging to the ABCD² score to identify patients at early risk of stroke after transient ischaemic attack: a multicentre observational study. Lancet Neurol. 2010 Nov;9(11):1060-9.
- 27 Stroke Unit, Neurology Department, Joan XXIII University Hospital, Tarragona, Catalonia, Spain. Cardiac workup of ischemic stroke. Ustrell X, Pellisé A. Curr Cardiol Rev. 2010 Aug;6(3):175-83. doi: 10.2174/157340310791658721.
- 28 Christensen H, Fogh Christensen A, Boysen G. Abnormalities on ECG and telemetry predict stroke outcome at 3 months. J Neurol Sci. 2005 Jul 15;234(1-2):99-103.
- 29 Bernhard Meier, M.D., Bindu Kalesan, Ph.D., Heinrich P. Mattle, M.D., Ahmed A. Khattab, M.D., David Hildick-Smith, M.D., Dariusz Dudek, M.D., Grethe Andersen, M.D., Reda Ibrahim, M.D., Gerhard Schuler, M.D., Antony S. Walton, M.D., Andreas Wahl, M.D., Stephan Windecker, M.D., and Peter Jüni, M.D. for the PC Trial Investigators. Percutaneous Closure of Patent Foramen Ovale in Cryptogenic Embolism. N Engl J Med 2013; 368:1083-1091
- 30 Meissner I, Khandheria BK, Heit JA, Petty GW, Sheps SG, Schwartz GL, Whisnant JP, Wiebers DO, Covalt JL, Peterson TM et al: Patent foramen ovale: innocent or guilty? Evidence from a prospective population-based study. Journal of the American College of Cardiology 2006, 47(2):440-445.
- 31 Derdeyn CP, Fiorella D, Lynn MJ, Turan TN, Lane BF, Janis LS, Chimowitz MI. Intracranial stenting: SAMMPRIS. Stroke. 2013 Jun;44(6 Suppl 1):S41-4. doi: 10.1161/STROKEAHA.111.000370.
- 32 Agarwal S, Bajaj NS, Kumbhani DJ, Tuzcu EM, Kapadia SR: Meta-analysis of transcatheter closure versus medical therapy for patent foramen ovale in prevention of recurrent neurological events after presumed paradoxical embolism. JACC Cardiovascular interventions 2012, 5(7):777-789.
- 33 Kitsios GD, Dahabreh IJ, Abu Dabrh AM, Thaler DE, Kent DM: Patent foramen ovale closure and medical treatments for secondary stroke prevention: a systematic review of observational and randomized evidence. Stroke; a journal of cerebral circulation 2012, 43(2):422-431.
- 34 Carroll JD, Saver JL, Thaler DE, Smalling RW, Berry S, MacDonald LA, Marks DS, Tirschwell DL: Closure of patent foramen ovale versus medical therapy after cryptogenic stroke. The New England journal of medicine 2013, 368(12):1092-1100.
- 35 Bassetti, SleepStroke, PPSM, 2010
- 36 Thomas G. Brott, M.D., Robert W. Hobson, II, M.D., George Howard, Dr.P.H., Gary S. Roubin, M.D., Ph.D., Wayne M. Clark, M.D., William Brooks, M.D., Ariane Mackey, M.D., Michael D. Hill, M.D., Pierre P. Leimgruber, M.D., Alice J. Sheffet, Ph.D., Virginia J. Howard, Ph.D., Wesley S. Moore, M.D., Jenifer H. Voeks, Ph.D., L. Nelson Hopkins, M.D., Donald E. Cutlip, M.D., David J. Cohen, M.D., Jeffrey J. Popma, M.D., Robert D. Ferguson, M.D., Stanley N. Cohen, M.D., Joseph L. Blackshear, M.D., Frank L. Silver, M.D., J.P. Mohr, M.D., Brajesh K. Lal, M.D., and James F. Meschia, M.D. for the CREST Investigators Stenting versus Endarterectomy for Treatment of Carotid-Artery Stenosis N Engl J Med 2010; 363:11-23
- 37 Johnston SC1, Rothwell PM, Nguyen-Huynh MN, Giles MF, Elkins JS, Bernstein AL, Sidney S. Lancet. Validation and refinement of scores to predict very early stroke risk after transient ischaemic attack. 2007 Jan 27;369(9558):283-92.