

The content of TCD-applications.com is adapted from following sources:

In general:

[Literature DWL Doppler sonography TCD - Scientific reference publications](#)

Stroke evaluation by determination of High Stenosis, Occlusion, and Emboli Detection

- "Doppler- und Duplexsonographie der hirnversorgenden Arterien", Widder et Görtler, published by Springer Verlag, Edition 6, 2004
- "Stentimplantation zur Behandlung intrakranieller Stenosen" Klein GE, Journal for vascular medicine, 2007

Monitoring of cerebral Autoregulation in Anaesthesiology

- Thesis writing "Validität der Bestimmung der cerebralen Autoregulation mittels transcranieller Doppler-Sonographie unter Verwendung des Ultraschallkontrastmittels Levovist", submitted by Nina Thölen, J.-W.-G. University Frankfurt am Main, 2009.
- Herold Innere Medizin, 2011.
- "Innovationen im Neuromonitoring mit Ultraschall", A. Harloff, W. D. Niesen, M. Reinhard, published by Thieme Verlag 2011.

Diagnosis and prognosis for Sickle Cell Disease

- Herold Innere Medizin, 2011.

TCD guidelines for assessment of Brain Death in regarding of organ transplantations

- "Protokoll zur Feststellung des Hirntodes der Bundesärztekammer" (Protocol for Determination of Brain Death of the German Medical Association)
- "Doppler- und Duplexsonographie der hirnversorgenden Arterien" Widder et Görtler, published by Springer Verlag, Edition 6, 2004

Persistent Foramen Ovale (PFO) diagnostic

- Herold Innere Medizin, 2011

Reducing the risk of Stroke in Cardiovascular Surgery with Emboli Detection

- Adapted from doctoral thesis writing by Alexandra Schröder, Rhein-Ruhr-University, Bochum, 2004
- Lund C. et al., 2000
- Grosset D.G. et al., 1994
- Herold Innere Medizin, 2011.
- "Doppler- und Duplexsonographie der hirnversorgenden Arterien" Widder et Görtler, published by Springer Verlag, Edition 6, 2004

Microdoppler for the protection of feeding and draining vessels in Neurosurgery

- Hertel et al., 2005
- Akdemir et al., 2006; Tong et al., 2007
- Intraoperative Microvascular Doppler Sonography in Aneurysm Surgery, Bailes JE, Tantuwaya LS, Fukushima T, Schurman GW, Davis DRN., Neurosurgery 40: 965-972, 1997

Stenosis of the Carotid Artery caused by Artherosclerosis

- Siewert et al., 2006
- Markus et al., 2010
- Ritter et al., 2008
- Spence et al., 2005
- Herold Innere Medizin, 2011
- King et al., 2011

TCD diagnosis for Head Injury, Dementia, Parkinson, and more

- Blumenstein et al., 2010
- Wessels et al., 2006

Detection of Vasospasm to avoid Subarachnoid Haemorrhage (SAH)

- Dorsch and King, 1994+2011