

Literatura užitých zkratk

- AARON, D. H., STEGINK JANSEN, C. W. Development of the Functional Dexterity Test (FDT): Construction, Validity, Reliability, and Normative Data. *Journal of Hand Therapy*, 2003, 16(1): 12–21. ISSN 0894-1130.
- AMBLER, Z. *Neurologie pro studenty lékařské fakulty*. 4. vyd. Praha: Univerzita Karlova v Praze, Karolinum, 2002. 399 s. ISBN 80-246-0080-3.
- AMBLER, Z. *Základy neurologie*. 6. vyd. Praha: Galén, 2006. 351 s. ISBN 8072624334.
- AMBLER, Z., BEDNAŘÍK, J., RŮŽIČKA, E. et al. *Klinická neurologie, část obecná*. 2. vyd. Praha: Triton, 2008. 980 s. ISBN 978-80-7387-157-4.
- BACHMANOV, A. A., BEAUCHAMP, G. K. Taste Receptor Genes. Annual review of nutrition, 2007, 27: 389–414. ISSN 0199-9885.
- BERGER, M. A., KRUL, A. J., DAANEN, H. A. Task specificity of Finger dexterity tests. *Applied Ergonomics*, 2009, 40(1): 145–147. ISSN 0003-6870.
- BINKOFSKI, F., BUCCINO, G., STEPHAN, K. M., RIZZOLATI, G., SEITZ, R. J., FREUND, H. J. A parieto-premotor network for object manipulation: evidence from neuroimaging. *Experimental Brain Research*, 1999, 128(1–2): 210–213. ISSN 0014-4819.
- BIRYUKOVA, E. V., YOUROVSKAYA, V. Z. A Model of Human Hand Dynamics. In Schuind, F., An, K. N., Cooney W. P. III., Garcia-Elias M. (eds.) *Advances in the Biomechanics of the Hand and Wrist*. New York: Plenum Press, 1994. 540 s. ISBN 978-1-4757-9109-9.
- BEJJANI, F., LANDSMEER, J. M. F. Biomechanics of the hand. In Nordin, M., Frankel, V. H. (eds.) *Basic biomechanics of the musculoskeletal system*. 2nd ed. Philadelphia: Lea & Febiger, 1989. 323 s. ISBN 081211227X, 9780812112276.
- BENEŠ, J. *Člověk*. Praha: Mladá fronta, 1994. 342 s. ISBN 80-204-0460-0.
- BERTHOZ, A. *The brain's sense of movement*. Harvard University Press, Cambridge, Massachusetts, USA, 2000. 339 p. ISBN 0-674-80109-1.
- BIRBAUMER, N. Motor learning: Passing a skill from one hand to the other. *Current Biology*, 2007, 17(23): 1024–1026. ISSN 0960-9822.
- BLENNERHASSETT, J. M., CAREY, L. M., MATYAS, T. A. Grip force regulation during pinch grip lifts under somatosensory guidance: comparison between people with stroke and healthy controls. *Archives of Physical Medicine and Rehabilitation*, 2006, 87: 418–429. ISSN 0003-9993.
- BLENNERHASSETT, J. M., MATYAS, T. A., CAREY, L. M. Impaired discrimination of surface friction contributes to pinch grip deficit after

- stroke. *Neurorehabilitation and Neural Repair*, 2007, 21: 263–272. ISSN 1545-9683.
- BLENNERHASSETT, J. M., CAREY, L. M., MATYAS, T. A. Clinical measures of handgrip limitation relate to impaired pinch grip force control after stroke. *Journal of Hand Therapy*, 2008, 21: 245–253. ISSN 0894-1130.
 - BOBATH, B. *Hemiplégia dospelych*. Bratislava: Liečreh Gúth, 1997. 175 s. ISBN 80-967383-4-8.
 - BODWELL, J., MAHURIN, R. K., WADDLE, S., PRICE, R., CRAMER, S. C. Age and Features of Movement Influence Motor Overflow. *Journal of the American Geriatrics Society*, 2003, 51(12): 1735–1739. ISSN 0002-8614.
 - BRACEWELL, R. M., WING, A. M., SOPER, H. M., CLARK, K. G. Predictive and reactive co-ordination of grip and load forces in bimanual lifting in man. *European Journal of Neuroscience*, 2003, 18(8): 2396–2402. ISSN 0953-816X.
 - BRESSLER, S. L. The sensory component of tonic motor control. *Clinical Neurophysiology*, 2009, 120: 1035–1036. ISSN 1388-2457.
 - BRESLIN, D. M., EXNER, C. E. Construct validity of the In-Hand Manipulation Test: a discriminant analysis with children without disability and children with spastic diplegia. *American Journal of Occupational Therapy*, 1999, 53(4): 381–386. ISSN 0272-9490.
 - BRŮHNOVÁ, L. Testování úchopu jako základ pro nácvič úchopových forem. *Rehabilitácia*, 2002, 35: 102–104. ISSN 0375-0922.
 - BUCHMAN, A. S., WILSON, R. S., BIENIAS, J. L., BENNETT, D. A. Gender differences in upper extremity motor performance of older persons. *Geriatrics and Gerontology International*, 2005, 5: 59–65. ISSN 1444-1586.
 - CABELL, J. A., LAHUERTA, J., BOWSHER, D. Quantitative assessment of somatosensory function. *British Journal of Therapy and Rehabilitation*, 1996, 3: 135–141. ISSN 1354-8581.
 - CAREY, L. M. Somatosensory loss after stroke. *Critical Reviews in Physical and Rehabilitation Medicine*, 1995, 7: 51–91. ISSN 0896-2960.
 - CAREY, L. M., OKE, L. E., MATYAS, T. A. Impaired limb position sense after stroke: a quantitative test for clinical use. *Archives of Physical Medicine and Rehabilitation*, 1996, 77: 1271–1278. ISSN 0003-9993.
 - CAREY, L. M., OKE, L. E., MATYAS, T. A. Impaired touch discrimination after stroke: a quantitative test. *Journal of Neurologic Rehabilitation*, 1997, 11: 219–232. ISSN 0888-4390.
 - CAREY, L. M., MATYAS, T. A., OKE, L. E. Evaluation of impaired fingertip texture discrimination and wrist position sense in patients affected

- by stroke: comparison of clinical and new quantitative measures. *Journal of Hand Therapy*, 2002, 15: 71–82. ISSN 0894-1130.
- CAREY, L. M., MATYAS, T. A. Training of somatosensory discrimination after stroke: Facilitation of stimulus generalization. *Archives of Physical Medicine and Rehabilitation*, 2005, 88: 428–442. ISSN 0003-9993.
 - CAREY, L. M., ABBOTT, D. F., EGAN, G. F., O'KEEFE, G. J., BERNHARDT, J., DONNAN, G. A. Motor Impairment and Recovery in the Upper Limb after Stroke. *Stroke*, 2005, 36: 625–629. ISSN 0039-2499.
 - CAREY, L. M., ABBOTT, D. F., EGAN, G. F., O'KEEFE, G. J., JACKSON, G. D., BERNHARDT, J., DONNAN, G. A. Evolution of Brain Activation with Good and Poor Motor Recovery after Stroke. *Neurorehabilitation and Neural Repair*, 2006, 20: 24–41. ISSN 1545-9683.
 - CARR, J. H., SHEPHERD, R. B. *Neurological Rehabilitation: Optimizing Motor Performance*. Oxford: Butterworth-Heinemann, 1998. 350 p. ISBN 978-84-458-0624-1.
 - CECELI, E., DURUKAN, P. B., ERDEM, H. R., INCEL, N. A., YORGANCIOGLU, Z. R. Grip strength: Effect of Hand Dominance. *Singapore Medicine Journal*, 2002, 43(5): 234–237. ISSN 0037-5675.
 - CORDO, P., HARNAD, S. R. *Movement Control*. United States: Cambridge University Press, 1994. 185 p. ISBN 9780521456074.
 - CROARKIN, E., DANOFF, J., BARNES, C. Evidence-based rating of upper-extremity motor function tests used for people following a stroke. *Physical Therapy*, 2004; 84(1): 62–74. ISSN 0031-9023.
 - ČECH, Z. *Somatosenzorický systém*. [online]. [cit. 2012-08-10]. Dostupné z < www.mefanet-motol.cuni.cz/download.php?fid=1419>.
 - ČIHÁK, R. *Anatomie 1*. 3. vyd. Praha: Grada Publishing, 2011. 534 s. ISBN 978-80-247-3817-8.
 - ČIHÁK, R. *Anatomie 2*. Praha: Avicenum, 1988. 388 s. ISBN 08-060-88.
 - DANNENBAUM, R. M., MICHAELSEN, S. M., DESROSIERS, J., LEVIN, M. F. Development and validation of two new sensory tests of the hand for patients with stroke. *Clinical Rehabilitation*, 2002, 16(6): 630–639. ISSN 0269-2155.
 - DANNENBAUM, R. M., DYKES, R. W. Evaluating sustained touch-pressure in severe sensory deficits: Meeting an unanswered need. *Archives of Physical Medicine and Rehabilitation*, 1990, 71: 455–459. ISSN 0003-9993.
 - DAVIES, P. M. *Steps to Follow*. 2nd ed. Berlin, Heidelberg: Springer-Verlag, 2000. 515 p. ISBN 3-540-60720-X.
 - DESROSIERS, J., HEBERT, R. et al. Upper Extremity Performance Test for the Elderly (TEMPE): Normative data and correlates with sensorimo-

- tor parameters. *Archives in Physical Medicine and Rehabilitation*, 1995, 76: 1125–1129. ISSN 0003-9993.
- DIETRICHSEN, J., NAMBIAN, R., KENNERLEY, S. W., IVRY, R. B. Independent on-line control of the two hands during bimanual reaching. *European Journal of Neuroscience*, 2004, 19: 1643–1652. ISSN 0953-816X.
 - DISMAN, M. *Jak se vyrábí sociologická znalost*. 2. dotisk 3. vydání. Praha: Karolinum, 2005. ISBN 80-246-0139-7.
 - DYRHONOVÁ, O., ŠAFÁŘOVÁ, M. *Somatosenzorika a vývojová kineziologie* [online]. [citace 2012-08-10]. Dostupné z <www.llb.cz/editor/.../FNM_RHB_-_O_Dyrhonova_M_Safarova.doc>.
 - EVERSMANN Jr., W. W., JOHNS, J. C. Biomechanics of the Hand. In Goldberg, B., Hsu, J. D. (eds.) *Atlas of Orthoses and Assistive Devices* (pp. 125–134). 3rd ed. American Academy of Orthopaedic Surgeons, 1997. 704 p. ISBN 0815100523, 9780815100522.
 - EXNER, Ch. E. Content Validity of the In-Hand Manipulation Test. *The American Journal of Occupational Therapy*, 1993, 47(6): 505–513. ISSN 0272-9490.
 - FLANAGAN, J. R., BURSTEDT, M. K. O., JOHANSSON, R. S. Control of Fingertip Forces in Multidigit Manipulation. *The Journal of Neurophysiology*, 1999, 81(4): 1706–1717. ISSN 0022-3077.
 - FORSSBERG, H., ELIASSON, A. C., KINOSHITA, H., JOHANSSON, R. S., WESTLING, G. Development of human precision grip I: Basic coordination of force. *Experimental Brain Research*, 1991, 85: 451–457. ISSN 0014-4819.
 - GERRITY, M. S., GAYLORD, S., WILLIAMS, M. E. Short versions of the Timed Manual Performance Test. Development, reliability, and validity. *Med Care*, 1993; 31(7): 617–628. ISSN 0014-4819.
 - GILLES, M. A., WING, A. M. Age-related changes in grip force and dynamics of hand movement. *Journal of Motor Behavior*, 2003, 35(1): 79–85. ISSN 0022-2895.
 - GOLDBERG, E. *Jak nás mozek civilizuje*. Praha: Karolinum, 2004. 257 s. ISBN 80-246-0713-1.
 - GOLDBERG, J. M., LINDBLOM, U. Standardised method of determining vibratory perception thresholds for diagnosis and screening in neurological investigation. *Journal of Neurology, Neurosurgery, and Psychiatry*, 1979, 42: 793–803. ISSN 0022-3050.
 - GOODALE, M., SERVOS, P. Visual Control of Prehension. In Zelaznik, H. N. (ed.) *Advances in Motor Learning and Control*. Champaign: Human Kinetics, 1996, 87–115. 309 s. ISBN 9780873229470.

- GRAFTON, S. T., ARBIB, M. A., FADIGA, L., RIZZOLATTI, G. Localization of grasp representations in humans by positron emission tomography. 2. Observation compared with imagination. *Experimental Brain Research. Experimentelle Hirnforschung. Experimentation Cerebrale*, 1996, 112(1): 103–111. ISSN 0014-4819.
- GREENWOOD, R., BARNES, M. P., McMILLAN, T. M. *Neurological rehabilitation*. Psychology Press, 1997, s. 151. ISBN 0863774849.
- GRIEVE, J. *Neuropsychology for Occupational Therapists: Assessment of Perception and Cognition*. 2nd ed. Oxford: Blackwell Science, 2000. 165 s. ISBN 0632050675.
- HADRABA, I. Vztah mezi dynamickými ortézami ruky a úchopem. *Rehabilitace a fyzikální lékařství*, 1996, 3(4): 165–166. ISSN 1211-2658.
- HADRABA, I. (2002). *Úchop v protetice – 1. část* [online]. [3. 9. 2004]. Dostupné z <www.ortopedickaprotetika.cz/ViewArticle.php?Article=62>.
- HÄGER-ROSS, CH., SCHIEBER, M. H. Quantifying the Independence of Human Finger Movements: Comparisons of Digits, Hands, and Movement Frequencies. *The Journal of Neuroscience*, 2000, 15: 8542–8550. ISSN 0270-6474.
- HAJN, V. *Antropologie II*. Olomouc: Vydavatelství Univerzity Palackého, 1996. 160 s. ISBN 80-7067-601-9.
- HAMILL, J., KNUTZEN, K. M. *Biomechanical Basis of Human Movement*. 3. vyd. Baltimore: Williams & Wilkins, 2009. 491 s. ISBN 978-0-7817-9128-1.
- HARDIN, M. Assessment of hand function and fine motor coordination in the geriatric population. *Topics in Geriatric Rehabilitation*, 2002, 18(2): 18–27. ISSN 0882-7524.
- HAYASE, D., MOSENTEEN, D., THIMMAIAH, D., ZEMKE, S., ATLER, K., FISHER, A. G. Age-related changes in activities of daily living ability. *Australian Occupational Therapy Journal*, 2004, 51: 192–198. ISSN 0045-0766.
- HENDL, J. *Přehled statistických metod zpracování dat. Analýza a metaanalýza dat*. 2. vyd. Praha: Portál, 2006. 583 s. ISBN 80-7367-123-9.
- HILLEROVÁ, L., MIKULECKÁ, E., MAYER, M., VLACHOVÁ, I. Statistické vlastnosti nové škály – Skóre vizuálního hodnocení funkčního úkolu ruky u pacientů po cévní mozkové příhodě. *Rehabilitace a fyzikální lékařství*, 2006, 13(3): 107–111. ISSN 1211-2658.
- HLUCHNÍKOVÁ, O. Hodnocení, testování v ergoterapii. *Informační bulletin Česká asociace ergoterapeutů*, 1999; 8: 18–26. ISSN 1804-1558.

- HOWLE, J. M. *Neuro-Developmental Treatment Approach. Theoretical Foundations and Principles of Clinical Practice* [online]. Canada, Laguna Beach: Neuro-Developmental Treatment Association, 2002 [citace 24. 8. 2012]. Dostupné z <https://www.ndta.org/network/article.php?article_id=110>
- JEANNEROD, M., MICHEL, F., PRABLANC, C. The control of hand movements in a case of hemianaesthesia following a parietal lesion. *Brain*, 1984, 107: 899–920. ISSN 0006-8950.
- JEBSEN, R. H., TAYLOR, N., TRIESCHMANN, R. B., TROTTER, M., HOWARD, L. A. An Objective and Standardized Test of Hand Function. *Archives of Physical Medicine & Rehabilitation*, Sammons Preston, 1969, 311–319. ISSN 0003-9993.
- JERMÁŘ, J. *Mají pracáci silnější levou ruku?* [online]. [citace 10. 2. 2012]. Dostupné z <<http://fyzweb.cz/clanky/index.php?id=148>>.
- JOHNSON, M. E., AN, K. N. Biomechanics of the Upper Extremity. In Goldberg, B., Hsu, J. D. (eds.) *Atlas of Orthoses and Assistive Devices*. 3rd ed. American Academy of Orthopaedic Surgeons, 1997, 115–123. 704 p. ISBN 0815100523, 9780815100522.
- JOHNSTONE, M. *Restoration of Motor Function in the Stroke Patient: a physiotherapist's approach*. 3rd ed. New York: Churchill Livingstone, 1987. 240 p. ISBN 9780443033988.
- KALITA, Z. Klinický registr IKTA.CZ – databáze cévních mozkových příhod v ČR. [online]. *Medical Tribune*, 2008, 33 [cit. 20. 12. 2011]. ISSN 1214-8911. Dostupné z [www <http://www.tribune.cz/clanek/12980>](http://www.tribune.cz/clanek/12980).
- KALVACH, P., BLAŽKOVÁ, D. Lidská řeč. Kde vzniká a jak souvisí s myšlením? [online]. *Vesmír*, 2001, 80: 552–555. [cit. 28. 7. 2012]. Dostupné z [www <http://www.cts.cuni.cz/vesmir>](http://www.cts.cuni.cz/vesmir).
- KANDEL, E. R., SCHWARTZ, J. H., JESSELL, T. M. *Principles of Neural Science*. 4th ed. International edition: The McGraw-Hill Companies, 2000. 414 p. ISBN 0-8385-7701-6.
- KAPANDJI, I. A. *The Physiology of the Joints*. New York: Churchill Livingstone, 1982. 208 p. ISBN 978-0443025044.
- KAPPERS, A. M. L. Human perception of shape from touch. *Philosophical Transactions of the Royal Society B*, 2011, 366: 3106–3114. ISSN 0962-8436.
- KÁŠ, S. *Neurologie v běžné lékařské praxi*. Praha: Grada Publishing, 1997. 338 s. ISBN 80-7169-339-1.
- KIM, J. S., CHOI-KWON, S. Discriminative sensory dysfunction after unilateral stroke. *Stroke*, 1996, 27: 677–682. ISSN 0039-2499.

- KOLEKTIV AUTORŮ. *Malá československá encyklopedie IV*. Praha: Academia, 1986. 989 s. ISBN 21-096-86.
- KOMENDA, S. *Úvod do metodologie zdravotnického výzkumu*. 2. vyd. Olomouc: Vydavatelství Univerzity Palackého, 1996. 114 s. ISBN 80-70676671.
- KOUKOLÍK, F. *Lidský mozek. Funkční systémy. Normy a poruchy*. 2. vyd. Praha: Portál, 2002. 456 s. ISBN 80-7178-632-2.
- KRÁLÍČEK, P. *Úvod do speciální neurofyzologie*. Praha: Univerzita Karlova v Praze, Karolinum, 2002. 230 s. ISBN 80-246-0350-0.
- KŘIVOHLAVÝ, J. *Jak si navzájem lépe porozumíme*. Praha: Nakladatelství Svoboda, 1988. 240 s. ISBN 80-7157-147-4.
- KUHTZ-BUSCHBECK, J. P., EHRSSON, H. H., FORSSBERG, H. Human brain activity in the control of fine static precision grip forces: an fMRI study. *European Journal of Neuroscience*, 2001, 14: 382–390. ISSN 0953-816X.
- KULIŠTÁK, P. *Neuropsychologie*. 2. vyd. Praha: Portál, 2011. 384 s. ISBN 978-80-7367-891-3.
- KUSOFFSKY, A., WADELL, I., NILSSON, B. Y. The relationship between sensory impairment and motor recovery in patients with hemiplegia. *Scandinavian Journal of Rehabilitation Medicine*, 1982, 14: 27–32.
- LAHTINEN, R. *Haptics and haptemes, a case study of developmental process in social-haptic communication of acquired deafblind people*. Essex: A1 Management UK, 2008. 196 p. ISBN 9780955032318.
- LANGMEIER, M. a kol. *Základy lékařské fyziologie*. Praha: Grada Publishing, 2009. 320 s. ISBN 978-80-247-2526-0.
- LEVIN, M. F., KLEIM, J. A., WOLF, S. L. What Do Motor „Recovery“ and „Compensation“ Mean in Patients Following Stroke? *Neurorehabilitation and Neural Repair*, 2009, 23(4): 313–319. ISSN 1545-9683.
- LEWIS, J. W. Cortical network related to human use of tools. *Neuroscientist*, 2006, 12 (3): 211–231. ISSN 1073-8584.
- LINCOLN, N. B., JACKSON, J. M., ADAMS, S. A. Reliability and revision of the Nottingham sensory assessment for stroke patients. *Physiotherapy*, 1998, 8: 358–365. ISSN 0031-9406.
- LINCOLN, N. B., CROW, J. L., JACKSON, J. M., WATERS, G. R., ADAMS, S. A., HODGSON, P. The unreliability of sensory assessment. *Clinical Rehabilitation*, 1991, 5: 273–282. ISSN 0269-2155.
- MACHÁČKOVÁ, K., VYSKOTOVÁ, J., OPAVSKÝ, J., SOCHOROVÁ, H. Diagnostika poruch senzomotorických funkcí ruky pacientů po ischemické cévní mozkové příhodě (Případové studie). *Rehabilitace a fyzikální lékařství*, 2007, 14(3): 114–121. ISSN 1211-2658.

- MARR, D., WINDSOR, M. M., CERMAK, S. Handwriting Readiness: Locatives and Visuomotor Skills in the Kindergarten Year [online]. *ECRP*, 2001, 3 (1). ISSN 1524-5039. [cit. 13. 7. 2012]. Dostupné z <<http://ecrp.uiuc.edu/v3n1/marr.html>>.
- MARZKE, M. W., MARZKE, R. F. Evolution of the human hand: approaches to acquiring, analysing and interpreting the anatomical evidence. *Journal of Anatomy*, 2000, 197(1): 121–140. ISSN 0021-8782.
- MATHIOWETZ, V., WEBER, K., KASHMAN, N., VOLLAND, G. Adult Norms for the Nine Hole Peg Test of Finger Dexterity. *The Occupational Therapy Journal of Research*, 1985, 5(1): 24–37. ISSN 0276-1599.
- MAYER, M., HLUŠTÍK, P. Ruka u hemiparetického pacienta. Neurofyziologie, patofyziologie, rehabilitace. *Rehabilitácia*, 2004, 41(1): 9–13. ISSN 0375-0922.
- MAYER, M., SMĚKAL, D. Měkké struktury kolenního kloubu a poruchy motorické kontroly. *Rehabilitace a fyzikální lékařství*, 2004, 3: 111–117. ISSN 1211-2658.
- McCOMBE, W. S., WHITALL, J. Fine motor control in adults with and without chronic hemiparesis: Baseline comparison to nondisabled adults and effects of bilateral arm training. *Archives of Physical Medicine and Rehabilitation*, 2004, 85: 1076–1083. ISSN 0003-9993.
- MĚKOTA, K., NOVOSAD, J. *Motorické schopnosti*. Olomouc: Univerzita Palackého v Olomouci, 2005. 175 s. ISBN 802440981X, 9788024409818.
- MĚKOTA, K., BLAHUŠ, P. *Motorické testy v tělesné výchově*. Praha: SPN, 1983. 335 s. ISBN 14-467-83.
- MOSKOWITZ, E., LIGHTBODY, F. E. H., FREITAG, N. S. Long term follow-up of the poststroke patient. *Archives of Physical Medicine and Rehabilitation*, 1972, 53: 167–163. ISSN 0003-9993.
- NELSON, D. L., MITCHELL, M. A., GROSZEWSKI, P. G., PENNICK, S. L., MANSKE, P. R. Wrist Range of Motion in Activities of Daily Living. In Schuind, F., AN, K. N., Cooney, W. P III., Garcia-Elias, M. (eds.) *Advances in the Biomechanics of the Hand and Wrist*. New York: Plenum Press, 1994, 329–333. 540 p. ISBN 978-1-4757-9109-9.
- NEVŠÍMALOVÁ, S., RŮŽIČKA, E., TICHÝ, J. *Neurologie*. Praha: Galén a Univerzita Karlova v Praze: Karolinum, 2002. 368 s. ISBN 80-246-0388-8.
- NOWAK, D. A., HERMSDÖRFER, J. Predictive and reactive control of grasping forces: on the role of the basal ganglia and sensory feedback. *Experimental Brain Research*, 2006, 173(4): 650–660. ISSN 0014-4819.

- OPAVSKÝ, J. *Autonomní nervový systém a diabetická autonomní neuropatie: klinické aspekty a diagnostika*. Praha: Galén, 2002. 304 s. ISBN 8072621947.
- OPAVSKÝ, J. *Neurologické vyšetření v rehabilitaci pro fyzioterapeuty*. Olomouc: Univerzita Palackého v Olomouci, 2003. 91 s. ISBN 802440625X, 9788024406251.
- OPATŘILOVÁ, D. Grafomotorika. Jemná motorika. Hrubá motorika. In Hanák, P. a kol. *Diagnostika a edukace dětí a žáků s těžkým zdravotním postižením*. Praha: IPPP, 2005. 150 s. ISBN 80-86856-10-0.
- PANTURIN, E. Rehabilitation of the Upper Extremity of a Hemiparetic Patient. Workshop, Ostrava 2013.
- PATEL, A. T., DUNCAN, P. W., LAI, S. M., STUDENSKI, S. The relation between impairments and functional outcomes poststroke. *Archives of Physical Medicine and Rehabilitation*, 2000, 81: 1357–1363. ISSN 0003-9993.
- PFEIFFER, J. *Neurologie v rehabilitaci*. Praha: Grada Publishing, 2007. 352 s. ISBN 978-80-247-1135-5.
- PFENNINGER, B. *Ergotherapie bei Erkrankungen und Verletzungen der Hand*. Berlin: Springer-Verlag, 1984. 100 s. ISBN 9783540130895.
- PONT, K., WALLEN, M., BUNDY, A., CASE-SMITH, J. Reliability and Validity of the Test of In-Hand Manipulation in Children Ages 5 to 6 Years. *The American Journal of Occupational Therapy*, 2008, 62(4): 384–392. ISSN 0272-9490.
- PRODOEHL, J., CORCOS, D. M., VAILLANCOURT, D. E. Basal Ganglia Mechanisms Underlying Precision Grip Force Control. *Neuroscience & Biobehavioral Reviews*, 2009, 33(6): 900–908.
- PUCE, A. Somatosensory function. In: *The Concise Corsini Encyclopedia of Psychology and Neuroscience*. John Wiley and Sons: New York, 2001. 1590–1592. ISBN 0471240990.
- RANGANATHAN, V. K., SIEMIONOW, V., SAHGAL, V., YUE, G. H. Effects of Aging on Hand Function. *Journal of the American Geriatrics Society*, 2001, 49(11): 1478–1484. ISSN 0002-8614.
- REDING, M. J., POTES, E. Rehabilitation outcome following initial unilateral hemispheric stroke: life table analysis approach. *Stroke*, 1988, 19: 1354–1358. ISSN 0039-2499.
- ROKYTA, R. *Fyziologie pro bakalářská studia v medicíně, ošetrovatelství, přírodovědných, pedagogických a tělovýchovných oborech*. 2. vyd. Praha: ISV nakladatelství, 2008. 426 s. ISBN 978-80-86642-47-5.
- ROSÉN, B., LUNDBORG, G. A new tactile gnosis instrument in sensibility testing. *Journal of Hand Therapy*, 1998, 11: 251–257. ISSN 0894-1130.

- ROSSI, E., MITNITSKI, A., FELDMAN, A. G. Sequential control signals determine arm and trunk contributions to hand transport during reaching in humans. *Journal of Physiology*, 2002, 538(2): 659–671. ISSN 0022-3751.
- SEIDL, Z., OBENBERGER, J. *Neurologie pro studium i praxi*. Praha: Grada Publishing, 2004. 363 s. ISBN 80-247-0623-7.
- SEITZ, R. J., ROLAND, P. E. Learning of Sequential Finger Movements in Man: A Combined Kinematic and Positron Emission Tomography (PET) Study. *European Journal of Neuroscience*, 1992, 4(2): 154. ISSN 0953-816X.
- SERRIEN, D. J., BROWN, P. The integration of cortical and behavioural dynamics during initial learning of a motor task. *European Journal of Neuroscience*, 2003, 17: 1098–1104. ISSN 0953-816X.
- SHUMWAY-COOK, A., WOOLACOTT, M. H. *Motor Control. Theory and Practical Applications*. 2nd ed. Philadelphia: Lippincott Williams & Wilkins, 2001. 614 p. ISBN 0-683-30643-X.
- SHY, M. E., FROHMAN, E. M., SO, Y. T., AREZZO, J. C., CORNBLATH, D. R., GIULIANI, M. J. et al. Quantitative sensory testing: report of the Therapeutics and Technology Assessment Subcommittee of the American Academy of Neurology. *Neurology*, 2003, 60: 898–904. ISSN 0028-3878.
- SCHIEBER, M. H., SANTELLO, M. Hand function: peripheral and central constraints on performance. *Journal of Applied Physiology*, 2004, 96: 2293–2300. ISSN 8750-7587.
- SEMMES, J. et al. *Somatosensory changes after penetrating brain wounds in man*. Cambridge: Harvard University Press, 1960. 91 p. ISBN 0674818709.
- SMRČKA, V., DYLEVSKÝ, I., MAŘÍK, I. *Extenzory ruky*. Brno: Institut pro další vzdělávání pracovníků ve zdravotnictví, 1998. 130 s. ISBN 80-7013-260-4.
- SODERBERG, G. L. *Kinesiology: Application to Pathological Motion*. 2nd ed. Baltimore: Williams & Wilkins, 1997. 504 p. ISBN 9780683078510.
- STUART-HAMILTON, I. *Psychologie stárnutí*. Praha: Portál, 1997. 319 s. ISBN 80-7178-274-2.
- TAUB, E., USWATTE, G., KING, D. K., MORRIS, D., CRAGO, J. E., CHATTERJEE, A. A Placebo-Controlled Trial of Constraint-Induced Movement Therapy for Upper Extremity After Stroke. *Stroke*. 2006, 37: 1045–1049. ISSN 0039-2499.
- THONNARD, J. L., PLAGHKI, L., BRAGARD, D. EVAMAIN: Computerised System for the Evaluation of the Hand. In Schuind, F. et al. (eds.). *Advances in the Biomechanics of the Hand and Wrist*. New York: Plenum Press, 1994. 522 p. ISBN 0306445808, 9780306445804.

- TROJAN, S., DRUGA, R., PFEIFFER, J., VOTAVA, J. *Fyziologie a léčebná rehabilitace motoriky člověka*. Praha: Grada Publishing, 1996. 175 s. ISBN 80-7169-257-3.
- TROJAN, S. a kol. *Lékařská fyziologie*. 4. vyd. Praha: Grada Publishing, 2003. 772 s. ISBN 80-247-0512-5.
- TOMÁŠKOVÁ, H. *Základy biostatistiky*. Ostrava: Ostravská univerzita, 2006. 103 s. ISBN 978-80-7368-464-8.
- VAIVRE-DOURET, L., BURNOD, Y. Development of a global motor rating scale for young children (0 – 4 years) including eye – hand grip coordination. *Child: Care, Health and Development*. Blackwell Science Ltd., 2002, 27(6): 515–534. ISSN 0305-1862.
- van GRUNSVEN, W., NJIOKIKTJIEN, C., VRANKEN, M., VUYLSTECHE-WAUTERS. Ontogenetic trends in hand function in 3- to 12- yr.-old children. *Perceptual and Motor Skills*, 2003, 96: 1043–1061. ISSN 0031-5125.
- VÉLE, F. *Kineziologie pro klinickou praxi*. Praha: Grada Publishing, 1997. 272 s. ISBN 80-7169-256-5.
- VÉLE, F. *Kineziologie. Přehled klinické kineziologie a patokineziologie pro diagnostiku a terapii poruch pohybové soustavy*. Praha: Triton, 2007. 376 s. ISBN 978-80-7254-837-8.
- VESELÝ, J. *Úvod do patofyziologie nervového systému*. [online]. [cit. 20. 12. 2011]. Dostupné z [www <http://video.upol.cz/dpx_enterprise_media_user/dpx/slidemedia/60/01_01.pdf>](http://video.upol.cz/dpx_enterprise_media_user/dpx/slidemedia/60/01_01.pdf).
- VOJTA, V. *Mozkové hybné poruchy v kojeneckém věku. Včasná diagnóza a terapie*. Praha: Grada Publishing, 1993. 384 s. ISBN 80-85424-98-3.
- VOJTA, V., PETERS, A. *Vojtův princip. Svalové souhry v reflexní lokomoci a motorická ontogeneze*. Praha: Grada Publishing, 1995. 184 s. ISBN 80-7169-004-X.
- VOKURKA, M., HUGO, J. a kol. *Velký lékařský slovník*. 8. vyd. Praha: Maxdorf Jessenius, 2008. 1144 s. ISBN 978-80-7345-166-0.
- VYSKOTOVÁ, J. The use of the special constructional set to diagnose and treat brain functions disorders and those of the hand. *Slovenská antropológia. Bulletin Slovenskej antropologickej spoločnosti pri SAV*, 2003, 6: 190–192. ISSN 1336-5827.
- VYSKOTOVÁ, J. *Test manipulačních funkcí s použitím stavebnice Ministav*. Dizertační práce. Olomouc: Univerzita Palackého, 2008.
- WADE, D. T. *Measurement in neurological rehabilitation*. Oxford: Oxford University Press, 1992. 388 p. ISBN 0192621807, 9780192621801.

- WARD, N. S., FRACKOWIAK, R. S. J. Age-related changes in the neural correlates of motor performance. *Brain*, 2003, 126: 873–888. ISSN 0006-8950.
- WIESENDANGER, M., SERRIEN, D. J. Toward a physiological understanding of human dexterity. *News Physiological Science*, 2001, 16: 228–233. ISSN 0886-1714.
- WILLIAMS, M. E., GAYLORD, S. A., MCGAGHIE, W. C. Timed manual performance in a community elderly population. *The Journal of American Geriatric Society*, 1990, 38(10): 1120–1126. ISSN 0002-8614.
- WINWARD, H. E., HALLIGAN, P. W., WADE, D. T. Current practice and clinical relevance of somatosensory assessment after stroke. *Clinical Rehabilitation*, 1999, 1: 56–63. ISSN 0269-2155.
- WINWARD, H. E., HALLIGAN, P. W., WADE, D. T. *Rivermead Assessment of Somatosensory Performance* [online]. Suffolk: Thames Valley Test Company Ltd., 2000. [cit. 14. 2. 2013]. Dostupné z <<http://www.blessing-cathay.com/sub/ps/pdf/S1-TVTC%20with%20price.pdf>>.
- YEKUTIEL, M. *Sensory Re-education of the Hand after Stroke*. London: Whurr Publishers, 2000. 146 p. ISBN 1-86156-169-5.
- YOKOGAWA, R., HARA, K. Manipulabilities of the index finger and thumb in three tip-pinch postures. *Journal of Biomechanical Engineering*, 2004, 126 (2): 212–219. ISSN 0148-0731.
- ZAAL, F. T. J. M., BOOTSMA, R. J., WIERINGEN, P. C. W. Coordination in prehension. Information-based coupling of reaching and grasping. *Experimental Brain Research*, 1998, 119: 427–435. ISSN 0014-4819.

Elektronické informační zdroje

- Cerebrovaskulární sekce ČNS ČLS JEP. (2009). Dostupné z: <<http://www.cmp.cz/>>.
- Zdravotnická ročenka České republiky 2006. (2007). Dostupné z: <<http://www.uzis.cz/system/files/zdrroccz2006.pdf>>.