

Referenční seznam

- Aaron, D. H., & Stegink Jansen, C. W. (2003). Development of the Functional Dexterity Test (FDT): Construction, Validity, Reliability, and Normative Data. *Journal of Hand Therapy*, 16(1), 12–21. PMID: 12611441.
- Accardo, A. P., Genna, M., & Borean, M. (2013). Development, maturation and learning influence on handwriting kinematics. *Human Movement Science*, 32(1), 136–146. doi: 10.1016/j.humov.2012.10.004
- Ahmed, B., Hussain, M., & Yazdanie, N. (2006). Oral stereognostic ability: a test of oral perception. *J Coll Physicians Surg Pak*. 16(12), 794–798. PMID: 17125644.
- Akram, N., Li, H., Ben-Joseph A. et al. (2022). Developing and assessing a new web-based tapping test for measuring distal movement in Parkinson's disease: a Distal Finger Tapping test. *Scientific Reports*, 12, 386. doi: 10.1038/s41598-021-03563-7
- Allen, K. E., & Marotz, L. R. (2002). *Přehled vývoje dítěte*. Portál.
- Alt Murphy, M., Resteghini, C., Feys, P. et al. (2015). An overview of systematic reviews on upper extremity outcome measures after stroke. *BMC Neurology*, 15, 29. doi: 10.1186/s12883-015-0292-6
- Ambler, Z. (2023). *Základy neurologie*. 8. aktualiz. a doplň. vyd. Galén.
- Ambler, Z., Bednařík, J., Růžička, E. et al. (2012). *Klinická neurologie, část obecná*. 3. vyd. Triton.
- Amundson, S. J. (1995). *Evaluation Tool of Children's Handwriting: Etch Examiner's Manual*. Homer, Alaska: O. T. KIDS.
- Anup, K. K., & Monika, S. (2017). Handwriting as a means of Cultural Identity. *J Forensic Sci & Criminal Inves*, 3(1), 555605. doi: 10.19080/JFSCI.2017.03.555605
- Apfel, E. (1986). The effect of thumb interphalangeal joint position on strength of key pinch. *The Journal of Hand Surgery*, 11(1), 47–51. doi: 10.1016/S0363-5023(86)80101-0

- Arnould, C., Vandervelde, L., Batcho, C. S. et al. (2012). Can manual ability be measured with a generic ABILHAND scale? A cross-sectional study conducted on six diagnostic groups. *BMJ Open*, 2(6), e001807. doi: 10.1136/bmjopen-2012-001807
- Asato, M. R., Terwilliger, R., Woo, J. et al. (2010). White Matter Development in Adolescence: A DTI Study. *Cerebral Cortex*, 20(9), 2122–2131. doi: 10.1093/cercor/bhp282
- Azad, A., Taghizadeh, G., Ghorbanpoor, H. et al. (2017). Relationship between laterality and handedness with the higher order sensory functions and manual dexterity of the elderly. *Iranian Rehabilitation Journal*, 15(4), 367–376. doi: 10.29252/nrip.irj.15.4.367
- Azarpaikan, A., Taherii Torbati, H., Sohrabi, M. et al. (2021). Power spectral parameter variations after transcranial direct current stimulation in a bimanual coordination task. *Adaptive Behavior*, 29(1), 25–38. doi: 10.1177/1059712319879971
- Backman, C., Gibson, S. C. D., & Parsons, J. (1992). Assessment of Hand Function: The Relationship between Pegboard Dexterity and Applied Dexterity. *Canadian Journal of Occupational Therapy*, 59(4), 208–213. doi: 10.1177/0008417492059004
- Bachmanov, A. A., & Beauchamp, G. K. (2007). Taste Receptor Genes. *Annual review of nutrition*, 27, 389–414. doi: 10.1146/annurev.nutr.26.061505.111329
- Barut, C., Kızıltan, E., Gelir, E. et al. (2013). Advanced analysis of finger-tapping performance: a preliminary study. *Balkan Med J.* 30(2), 167–171. doi: 10.5152/balkanmedj.2012.105
- Bakke, M., Bergendal, B., McAllister, A. et al. (2007). Development and evaluation of a comprehensive screening for orofacial dysfunction. *Swedish Dental Journal*, 31(2), 75–84. PMID: 17695052
- Bakkers, M., Faber, C. G., Peters, M. J. H. et al. (2013). Temperature threshold testing: a systematic review. *Journal of the peripheral nervous system*, 18(1), 7–18. doi: <https://doi.org/10.1111/jns5.12001>
- Balezeau, F., Wilson, B., Gallardo, G. et al. (2020). Primate auditory prototype in the evolution of the arcuate fasciculus. *Nature Neuroscience*, 23, 611–614. doi: 10.1038/s41593-020-0623-9
- Bara, F., & Gentaz, E. (2011). Haptics in teaching handwriting: the role of perceptual and visuo-motor skills. *Human Movement Science*, 30(4), 745–759. doi: 10.1016/j.humov.2010.05.015
- Barnett, A. L., Prunty, M., & Rosenblum, S. (2018). Development of the handwriting legibility scale (HLS): A preliminary examination of reliability and validity. *Research in Developmental Disabilities*, 72, 240–247. doi: 10.1016/j.ridd.2017.11.013
- Barreca, S., Gowland, C. K., Stratford, P. et al. (2004). Development of the Chedoke Arm and Hand Activity Inventory: theoretical constructs, item generation, and selection. *Topics in Stroke Rehabilitation*, 11(4), 31–42. doi: 10.1310/JU8P-UVK6-68VW-CF3W
- Barreca, S. R., Stratford, P. W., Lambert, C. L. et al. (2005). Test-retest reliability, validity, and sensitivity of the Chedoke arm and hand activity inventory: a new measure of upper-limb function for survivors of stroke. *Archives of Physical Medicine and Rehabilitation*, 86(8), 1616–1622. doi: 10.1016/j.apmr.2005.03.017

- Barreca, S. R., Stratford, P. W., Masters, L. M. et al. (2006). Comparing 2 versions of the Chedoke Arm and Hand Activity Inventory with the Action Research Arm Test. *Phys Ther*, 86(2): 245–253. PMID: 16445338
- Bartoš, A. (2018). Test gest (TEGEST) k rychlému vyšetření epizodické paměti u mírné kognitivní poruchy. *Česká a slovenská neurologie a neurochirurgie*, 81(1), 37–44.
- Baude, M., Mardale, V., Loche, C. M. et al. (2016). Intra- and inter-rater reliability of the Modified Frenchay Scale to measure active upper limb function in hemiparetic patients. *Annals of Physical and Rehabilitation Medicine*, 59, 59–60.
doi: <https://doi.org/10.1016/j.rehab.2016.07.138>
- Knoedler, L., Miragall, M., Kauke-Navarro, M. et al. (2022). A Ready-to-Use Grading Tool for Facial Palsy Examiners-Automated Grading System in Facial Palsy Patients Made Easy. *Journal of Personalized Medicine*, 12(10), 1739. doi: 10.3390/jpm12101739
- Bazerman, C., Applebee, A. N., Berninger, V. W. et al. (2017). Taking the long view on writing development. *Research in the Teaching of English*, 51(3), 351–360.
<https://www.jstor.org/stable/44821267>
- Beck, M. M., Spedden, M. E., Dietz, M. J. et al. (2021). Cortical signatures of precision grip force control in children, adolescents, and adults. *eLife*. 10: e61018. doi: 10.7554/eLife.61018
- Becker, Y., Loh, K. K., Coulon, O., & Meguerditchian, A. (2022). The Arcuate Fasciculus and language origins: Disentangling existing conceptions that influence evolutionary accounts. *Neuroscience & Biobehavioral Reviews*, 134, 104490.
doi: 10.1016/j.neubiorev.2021.12.013
- Bejjani, F., & Landsmeer, J. M. F. (1989). Biomechanics of the hand. In: Nordin, M., Frankel, V. H. (Eds.), *Basic biomechanics of the musculoskeletal system*. 2. ed. Lea & Febiger.
- Bednářová, J., & Šmardová, V. (2006). *Rozvoj grafomotoriky. Jak rozvíjet kreslení a psaní*. Computer Press.
- Bednářová, J., & Šmardová, V. (2008). *Diagnostika dítěte předškolního věku. Co by dítě mělo umět ve věku od 3 do 6 let*. Computer Press.
- Bednářová, J., & Šmardová, V. (2011). *Školní zralost. Co by mělo umět dítě před vstupem do školy*. Computer Press.
- Bednářová, J., & Šmardová, V. (2015). *Diagnostika dítěte předškolního věku*. Edika.
- Bell-Krotoski, J. A., & Tomancik, E. (1987). The repeatability of testing with Semmes-Weinstein monofilaments. *The Journal of Hand Surgery*, 12(1), 155–161.
doi: [https://doi.org/10.1016/S0363-5023\(87\)80189-2](https://doi.org/10.1016/S0363-5023(87)80189-2)
- Beneš, J. (1994). *Člověk. Mladá fronta*.
- Berger, M. A., Krul, A. J., & Daanen, H. A. (2009). Task specificity of Finger dexterity tests. *Applied Ergonomics*, 40(1), 145–147. doi: 10.1016/j.apergo.2008.01.014
- Bergendal, B., Bakke, M., McAllister, A. et al. (2014). Profiles of orofacial dysfunction in different diagnostic groups using the Nordic Orofacial Test (NOT-S) – a review. *Acta Odontologica Scandinavica*, 72(8), 578–584. doi: 10.3109/00016357.2014.942874

- Berthoz, A. (2000). *The brain's sense of movement*. Harvard University Press.
- Bieber, E, Smits-Engelsman, B. C., Sgandurra, G. et al. (2016). Manual function outcome measures in children with developmental coordination disorder (DCD): Systematic review. *Research in Developmental Disabilities*, 55, 114–131. doi: 10.1016/j.ridd.2016.03.009
- Bieniek, S., & Bethge, M. (2014). The reliability of WorkWell Systems Functional Capacity Evaluation: a systematic review. *BMC Musculoscelet Disord.*, 15, 106. doi: <https://doi.org/10.1186/1471-2474-15-106>
- Binkofski, F., Buccino, G., Stephan, K. M. et al. (1999). A parieto-premotor network for object manipulation: evidence from neuroimaging. *Experimental Brain Research*, 128(1–2), 210–213. doi: 10.1007/s002210050838
- Biryukova, E. V., & Yourovskaya, V. Z. (1994). A Model of Human Hand Dynamics. In: Schuind, F. K et al. (Eds.), *Advances in the Biomechanics of the Hand and Wrist*. Plenum Press, 107–120.
- Blomkvist, A. W., Andersen, S., de Bruin, E. D. et al. (2016). Isometric hand grip strength measured by the Nintendo Wii Balance Board – a reliable new method. *BMC Musculoskelet Disord.*, 17, 56. doi: 10.1186/s12891-016-0907-0
- Boesch, C. E., Medved, F., Held, M. et al. (2017). Analysis of the two-point discrimination test in daily routine practice. *European Journal of Plastic Surgery*, 40, 333–336. doi: 10.1007/s00238-016-1265-8
- Bohannon, R. W. (2017). Test-Retest Reliability of Measurements of Hand-Grip Strength Obtained by Dynamometry from Older Adults: A Systematic Review of Research in the PubMed Database. *J Frailty Aging*, 6(2), 83–87. doi: 10.14283/jfa.2017.8
- Bohannon, R. W. (2019). Grip Strength: An Indispensable Biomarker For Older Adults. *Clinical Interventions in Aging*, 14, 1681–1691. doi: 10.2147/CIA.S194543
- Bodwell, J., Mahurin, R. K., Waddle, S. et al. (2003). Age and Features of Movement Influence Motor Overflow. *Journal of the American Geriatrics Society*, 51(12), 1735–1739. doi: 10.1046/j.1532-5415.2003.51557.x
- Bracewell, R. M., Wing, A. M., Soper, H. M. et al. (2003). Predictive and reactive co-ordination of grip and load forces in bimanual lifting in man. *European Journal of Neuroscience*, 18(8), 2396–2402. doi: 10.1046/j.1460-9568.2003.02944.x
- Brandwein, A. B., Foxe, J. J., Russo, N. N. et al. (2011). The Development of Audiovizual Multisensory Integration Across Childhood and Early Adolescence: a High-Density Electrical Mapping Study. *Cerebral Cortex*, 21(5), 1042–1055. doi: 10.1093/cercor/bhq170
- Bressler, S. L. (2009). The sensory component of tonic motor control. *Clinical Neurophysiology*, 120, 1035–1036. doi: 10.1016/j.clinph.2009.03.017
- Breslin, D. M., & Exner, C. E. (1999). 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*, 53(4): 381–6. doi: 10.5014/ajot.53.4.381
- Brúhnová, L. (2002). Testování úchopu jako základ pro nácvik úchopových forem. *Rehabilitácia*, 35, 102–104.

- Brunclíková, M., Vávra, A., Karnetová, A. et al. (2007). Vyšetření pracovního potenciálu podle Isernhagen Work Systems FCE (Popis podle dostupné literatury). *Rehabilitace a fyzikální lékařství*, 14(2), 50–59.
- Buchman, A. S., Wilson, R. S., Bienias, J. L. et al. (2005). Gender differences in upper extremity motor performance of older persons. *Geriatrics and Gerontology International*, 5, 59–65. doi: 10.1111/j.1447-0594.2005.00266.x
- Bytešníková, I. (2012). *Komunikace dětí předškolního věku*. Grada.
- Cadogan, M., & Weinstein, S. (2020). *Life in the Fastlane*, 3. doi: <https://litfl.com/sidney-weinstein/>
- Caffier, F., Nawka, T., Neumann, K. et al. (2021). Validation and Classification of the 9-Item Voice Handicap Index (VHI-9i). *Journal of Clinical Medicine*; 10(15), 3325. doi: 10.3390/jcm10153325
- Çakıt, E., Durgun, B., & Cetik, O. (2016). Assessing the Relationship Between Hand Dimensions and Manual Dexterity Performance for Turkish Dental Students. In: Goonetilleke, R., & Karwowski, W. (eds) *Advances in Physical Ergonomics and Human Factors*. Springer, 489. doi: 10.1007/978-3-319-41694-6_47
- Carey, L. M., Oke, L. E., & Matyas, T. A. (1996). Impaired limb position sense after stroke: a quantitative test for clinical use. *Archives of Physical Medicine and Rehabilitation*, 77, 1271–1278. doi: 10.1016/s0003-9993(96)90192-6
- Carey, L. M., Oke, L. E., & Matyas, T. A. (1997). Impaired touch discrimination after stroke: a quantitative test. *Journal of Neurologic Rehabilitation*, 11, 219–232. doi: 10.1177/154596839701100404
- Carlson, A. G., Rowe, E., & Curby, T. W. (2013). Disentangling fine motor skills' relations to academic achievement: the relative contributions of visual-spatial integration and visual-motor coordination. *J Genet Psychol*, 174 (5–6), 514–533. doi: 10.1080/00221325.2012.717122
- Carr, J. H., & Shepherd, R. B. (2010). *Neurological Rehabilitation: Optimizing Motor Performance*. 2. ed. Butterworth-Heinemann.
- Case-Smith, J. (1995). Clinical interpretation of “development of in-hand manipulation and relationship with activities”. *American Journal of Occupational Therapy*, 49(8), 772–774. doi: 10.5014/ajot.49.8.772
- Cattaneo, C., Liu, J., Bech, A. C. et al. (2020). Cross-cultural differences in lingual tactile acuity, taste sensitivity phenotypical markers, and preferred oral processing behaviors. *Food Quality and Preference*, 80, 103803. doi: 10.1016/j.foodqual.2019.103803
- Coats, R. O., Fath, A. J., Astill, S. L. et al. (2016). Eye and hand movement strategies in older adults during a complex reaching task. *Exp Brain Res*, 234, 533–547. doi: 10.1007/s00221-015-4474-7
- Cohen, E. J., Bravi, R., & Minciocchi, D. (2021). Assessing the Development of Fine Motor Control in Elementary School Children Using Drawing and Tracing Tasks. *Perceptual*, 128(2), 605–624. doi: 10.1177/0031512521990358

- Collin, C., & Wade, D. (1990). Assessing motor impairment after stroke: a pilot reliability study. *J Neurology Neurosurg Psychiatry*, 53, 576–579. doi: 10.1136/jnnp.53.7.576
- Coulson, S. E., Croxson, G. R., Adams, R. D. et al. (2005). Reliability of the „Sydney,“ „Sunnybrook,“ and „House Brackmann“ facial grading systems to assess voluntary movement and synkinesis after facial nerve paralysis. *Otolaryngol Head Neck Surg*, 132(4), 543–549. doi: 10.1016/j.otohns.2005.01.027
- Crowe, T. K. (1989). Pediatric Assessments: A Survey of Their Use by Occupational Therapists in Northwestern School Systems. *OTJR*, 9(5), 273–286. doi: 10.1177/153944928900900502
- Čihák, R., & Grim, M. (2011). *Anatomie I*. 3. uprav. a doplň. vyd. Grada.
- Dannenbaum, R. M., & Dykes, R. W. (1990). Evaluating sustained touch-pressure in severe sensory deficits: Meeting an unanswered need. *Archives of Physical Medicine and Rehabilitation*, 71, 455–459. PMID: 2350211.
- Dannenbaum, R. M., Michaelsen, S. M., Desrosiers, J. et al. (2002). Development and validation of two new sensory tests of the hand for patients with stroke. *Clinical Rehabilitation*, 16(6), 630–639. doi: 10.1191/0269215502cr532oa
- Dayanidhi, S., & Valero-Cuevas, F. J. (2014). Dexterous manipulation is poorer at older ages and is dissociated from decline of hand strength. *J Gerontol A Biol Sci Med Sci*. 69(9): 1139–1145. doi: 10.1093/gerona/glu025
- De Dobbeleer, L., Theou, O., Beyer, I. et al. (2018). Martin Vigorimeter assesses muscle fatigability in older adults better than the Jamar Dynamometer. *Exp Gerontol*, 111, 65–70. doi: 10.1016/j.exger.2018.07.004
- Defrin, R., Shachal-Shiffer, M., Hadgadg, M. et al. (2006). Quantitative Somatosensory Testing of Warm and Heat-Pain Thresholds: The Effect of Body Region and Testing Method. *The Clinical Journal of Pain*, 22(2), 130–136. doi: 0.1097/01.ajp.0000154048.68273.d8
- Dennis, J. L., & Swinth, Y. (2001). Pencil grasp and children's handwriting legibility during different-length writing tasks. *American Journal of Occupational Therapy*, 55, 175–183. doi: 10.5014/ajot.55.2.175
- De Souza, L., Hower, R. L., & Miller, S. (1980). Assessment of recovery of arm control in hemiplegic stroke patients. 1. Arm function tests. *Int Rehabil Med*, 2(1), 3–9. doi: 10.3109/09638288009163947
- Desrosiers, J., Bravo, G., Hébert, R. et al. (1994). Validation of the Box and Block Test as a measure of dexterity of elderly people: reliability, validity, and norms studies. *Archives of physical medicine and rehabilitation*, 75(7), 751–755. PMID: 8024419
- Desrosiers, J., Hébert, R., Bravo, G. et al. (1995). The Purdue Pegboard Test: normative data for people aged 60 and over. *Disabil Rehabil*, 17(5), 217–224. doi: 10.3109/09638289509166638
- Desrosiers, J., Rochette, A., Hébert R et al G. (1997). The Minnesota Manual Dexterity Test: Reliability, Validity and Reference Values Studies with Healthy Elderly People. *Canadian Journal of Occupational Therapy*, 64(5), 270–276. doi: 10.1177/000841749706400504.

- Desrosiers, J., Hebert, R. et al. (1995). Upper Extremity Performance Test for the Elderly (TEMPA): Normative data and correlates with sensorimotor parameters. *Archives in Physical Medicine and Rehabilitation*, 76, 1125–1129. doi: 10.1016/s0003-9993(95)80120-0
- De Vijk, R. A., Engelen, L., & Prinz, J. (2003). The role of intra-oral manipulation in the perception of sensory attributes. *Appetite*, 40(1), 1–7.
doi: [https://doi.org/10.1016/S0195-6663\(02\)00172-1](https://doi.org/10.1016/S0195-6663(02)00172-1)
- Diedrichsen, J., Nambisan, R., Kennerley, S. W., & Ivry, R. B. (2004). Independent on-line control of the two hands during bimanual reaching. *European Journal of Neuroscience*, 19, 1643–1652. doi: 10.1111/j.1460-9568.2004.03242.x
- Disman, M. (2006). *Jak se vyrábí sociologická znalost*. Karolinum.
- Drábková, E. (2017). *Intersexuální rozdíly u seniorské populace při hodnocení jemné motoriky a koordinace rukou prostřednictvím Vienna test systému*. Diplomová práce. Univerzita Palackého v Olomouci. Školitel: Přidalová, M.
- Dykes, R. W., Saddiki-Traki, F., Tremblay, N. et al. (2006). Differences in the sensations of cold on the anterior torso of control and spinal-cord-transected individuals. *Behavioral Neuroscience*, 120(2), 463–473. doi: 10.1037/0735-7044.120.2.463
- Dylevský, I. (2021). *Klinická kineziologie a patokineziologie*. Grada.
- Durez, P., Fraselle, V., Houssiau, F. et al. (2007). Validation of the ABILHAND questionnaire as a measure of manual ability in patients with rheumatoid arthritis. *Annals of the Rheumatic Diseases*, 66(8), 1098–1105. doi: 10.1136/ard.2006.056150
- Edwards, D. F., Lang, C. E., Wagner, J. M. et al. (2012). An evaluation of the Wolf Motor Function Test in motor trials early after stroke. *Arch Phys Med Rehabil*, 93(4), 660–668. doi: 10.1016/j.apmr.2011.10.005
- El-Gohary, T. M., Abd Elkader, S. M., Al-Shenqiti, A. M. et al. (2019). Assessment of hand-grip and key-pinch strength at three arm positions among healthy college students: Dominant versus non-dominant hand. *J Taibah Univ Med Sci*, 14(6), 566–571. doi: 10.1016/j.jtumed.2019.10.001
- Elliot, J. M., & Connolly, K. J. (1984). A classification of manipulative hand movements. *Developmental Medicine and Child Neurology*, 26, 283–296. doi: 10.1111/j.14698749.1984.tb04445.x
- Eversmann Jr., W. W., & Johns, J. C. (1997). Biomechanics of the Hand. In: Goldberg, B., & Hsu, J. D. (Eds.), *Atlas of Orthoses and Assistive Devices*, 125–134. 3. ed. American Academy of Orthopaedic Surgeons.
- Exner, C. E. (1992). In-hand manipulation skills. In: Case-Smith, J., Pehoski, C., *Development of hand skills in the child*. American Occupational Therapy Association.
- Exner, C. E. (1993). Content Validity of the In-Hand Manipulation Test. *American Journal of Occupational Therapy*, 47(6), 505–513. doi: 10.5014/ajot.47.6.505
- Farris, K. M., Fehrenbacher, R. E., Hayes, E. L. et al. (2022). The relationship between muscle activation and handwriting quality with non-native grip styles. *J Hand Ther*, 35(4), 558–568. doi: 10.1016/j.jht.2021.03.004

- Fattah, A. Y., Gurusinghe, A. D. R., Gavilan, J. et al. (2015). Facial nerve grading instruments: systematic review of the literature and suggestion for uniformity. *Plast Reconstr Surg*, 135(2), 569–579. doi: 10.1097/PRS.0000000000000905
- Feder, K. P., Majnemer, A., & Synnes, A. (2000). Handwriting: Current Trends in Occupational Therapy Practice. *Canadian Journal of Occupational Therapy*, 67(3), 197–204. doi: 10.1177/000841740006700313
- Feder, K. P., & Majnemer, A. (2003). Children's handwriting evaluation tools and their psychometric properties. *Phys Occup Ther Pediatr*, 23(3), 65–84. PMID: 14664312
- Feder, K. P., & Majnemer, A. (2007). Handwriting development, competency, and intervention. *Developmental Medicine & Child Neurology*, 49(4), 312–317. doi: 10.1111/j.1469-8749.2007.00312.x
- Felício, C. M., Medeiros, A. P. M., De Oliveira, M. et al. (2012). Validity of the 'protocol of oro-facial myofunctional evaluation with scores' for young and adult subjects. *Journal of oral rehabilitation*, 39(10), 744–753. doi: 10.1111/j.1365-2842.2012.02336.x
- Felício, C. M., Lima, M. D. R. F., Medeiros, A. P. et al. (2017). Orofacial Myofunctional Evaluation Protocol for older people: validity, psychometric properties, and association with oral health and age. *Codas*, 29(6), e20170042. doi: 10.1590/2317-1782/20172017042
- Flanagan, J. R., Burstedt, M. K. O., & Johansson, R. S. (1999). Control of Fingertip Forces in Multidigit Manipulation. *The Journal of Neurophysiology*, 81(4), 1706–1717. doi: 10.1152/jn.1999.81.4.1706
- Forssberg, H., Eliasson, A. C., Kinoshita, H. et al. (1991). Development of human precision grip I: Basic coordination of force. *Experimental Brain Research*, 85, 451–457. doi: 10.1007/BF00229422
- Fugl-Meyer, A. R., Jääskö, L., Leyman, I. et al. (1975). The post-stroke hemiplegic patient. I. a method for evaluation of physical performance. *Scand J Rehabil Med*, 7(1), 13–31. PMID: 1135616.
- Gallup AC, White DD, & Gallup Jr GG. (2007). Handgrip strength predicts sexual behavior, body morphology, and aggression in male college students. *Evolution and Human Behavior*, 28(6), 423–429. doi: 10.1016/j.evolhumbehav.2007.07.001
- Gangale, D. C. (2004). *Rehabilitace orofaciální oblasti*. Grada.
- Gilles, M. A., & Wing, A. M. (2003). Age-related changes in grip force and dynamics of hand movement. *Journal of Motor Behavior*, 35(1), 79–85. doi: 10.1080/00222890309602123
- Gogola, G. R., Velleman, P. F., & Xu, S. et al. (2013). Hand dexterity in children: administration and normative values of the functional dexterity test. *J Hand Surg Am*, 38(12), 2426–2431. doi: 10.1016/j.jhsa.2013.08.123
- Gogtay, N., Giedd, J. N., Lusk, L. et al. (2004). Dynamic mapping of human cortical development during childhood through early adulthood. *PNAS*, 101, 8174–8179. doi: 10.1073/pnas.0402680101
- Goldberg, E. (2004). *Jak nás mozek civilizuje*. Karolinum.

- Goldberg, J. M., & Lindblom, U. (1979). Standardised method of determining vibratory perception thresholds for diagnosis and screening in neurological investigation. *Journal of Neurology, Neurosurgery, and Psychiatry*, 42, 793–803. doi: 10.1136/jnnp.42.9.793
- Goodale, M., & Servos, P. (1996). Visual Control of Prehension. In Zelaznik, H. N. (Ed.), *Advances in motor learning and control*. Human Kinetics, 87–115.
- Gracies, J. M., Bayle, N., Vinti, M. et al. (2010). Five-step clinical assessment in spastic paresis. *Eur J Phys Rehabil Med*, 46(3), 411–421. PMID: 20927007
- Grafton, S. T., Arbib, M. A., Fadiga, L. et al. (1996). Localization of grasp representations in humans by positron emission tomography. 2. Observation compared with imagination. *Experimental Brain Research*, 112(1), 103–111. doi: 10.1007/BF00227183
- Green, J. R., Moore, C. A., Higashikawa, M. et al. (2000). The Psychologic Development of Speech Motor Control. Lip and Jaw Coordination. *Journal of Speech, Language, and Hearing Research*, 43(1), 239–255. doi: 10.1044/jslhr.4301.239
- Greenwood, R., Barnes, M. P., & McMillan, T. M. (1997). *Neurological rehabilitation*. Psychology Press.
- Grieve, J. (2000). *Neuropsychology for Occupational Therapists: Assessment of Perception and Cognition*. 2. ed. Blackwell.
- Griffin, K. (2020). Handwriting – looking beyond the tripod pencil grasp. *Griffin Occupational Therapy*. Amersham: Griffin Occupational Therapy. www.griffinot.com
- Guerra, R.S, Amaral, T. F, Sousa AS et al. (2017). Comparison of Jamar and Bodygrip Dynamometers for Handgrip Strength Measurement. *J Strength Cond Res*, 31(7), 1931–1940. doi: 10.1519/JSC.0000000000001666
- Hadraba, I. (1996). Vztah mezi dynamickými ortézami ruky a úchopem. *Rehabilitace a fyzikální lékařství*, 3(4): 165–166.
- Hadraba, I. (2001). Úchop v protetice (I. část). *Ortopedická protetika*, 3(4), 14–18.
- Hafner, J., Lee, G., Joester, J. et al. (2015). Thermal quantitative sensory testing: A study of 101 control subjects. *Journal of Clinical Neuroscience*, 22(3), 588–591. doi: 10.1016/j.jocn.2014.09.017
- Häger-Ross, Ch., & Schieber, M. H. (2000). Quantifying the Independence of Human Finger Movements: Comparisons of Digits, Hands, and Movement Frequencies. *The Journal of Neuroscience*, 15, 8542–8550. doi: 10.1523/JNEUROSCI.20-22-08542.2000
- Hajn, V. (1996). *Antropologie II*. Vydavatelství Univerzity Palackého v Olomouci.
- Hamill, J., Knutzen, K. M., & Derrick, T. R. (2015). *Biomechanical Basis of Human Movement*. 4. ed. Williams & Wilkins.
- Hamstra-Bletz, L., & Blöte, A. W. (1993). A longitudinal study on dysgraphic handwriting in primary school. *J Learn Disabil*, 26(10), 689–699. doi: 10.1177/002221949302601007
- Hardin, M. (2002). Assessment of hand function and fine motor coordination in the geriatric population. *Topics in Geriatric Rehabilitation*, 18(2), 18–27. doi: 10.1097/00013614-200212000-00004

- Heinrichs-Graham, E., McDermott, T. J., Mills, M. S. et al. (2018). The lifespan trajectory of neural oscillatory activity in the motor system. *Developmental Cognitive Neuroscience*, 30, 159–168. doi: 10.1016/j.dcn.2018.02.013
- Heintz Walters, B., Huddleston, W. E., O'Connor, K. et al. (2021). The role of eye movements, attention, and hand movements on age-related differences in pegboard tests. *J Neurophysiol*, 126(5), 1710–1722. doi: 10.1152/jn.00629.2020
- Heller, A., Wade, D. T., Wood, V. A et al. (1987). Arm function after stroke: measurement and recovery over the first three months. *J Neurol Neurosurg Psychiatry*, 50(6), 714–719. doi: 10.1136/jnnp.50.6.714
- Hendl, J. (2006). *Přehled statistických metod zpracování dat. Analýza a metaanalýza dat*. Portál.
- Hillierová, L., Mikulecká, E., Mayer, M. et al. (2006). Statistické vlastnosti nové škály – Skóre vizuálního hodnocení funkčního úkolu ruky u pacientů po cévní mozkové příhodě. *Rehabilitace a fyzikální lékařství*, 13(3), 107–111.
- Hluchníková, O. (1999). Hodnocení, testování v ergoterapii. *Informační bulletin Česká asociace ergoterapeutů*; 8, 18–26.
- Hogrel, J. Y. (2015). Grip strength measured by high precision dynamometry in healthy subjects from 5 to 80 years. *BMC Musculoskelet Disord*, 16(1), 1–2. doi: <https://doi.org/10.1186/s12891-015-0612-4>
- Hong, I., & Bonilha, H. S. (2017). Psychometric properties of upper extremity outcome measures validated by Rasch analysis: a systematic review. *Int J Rehabil Res*, 40(1), 1–10. doi: 10.1097/MRR.0000000000000202
- House, J. W., Brackmann, D. E. (1985). Facial nerve grading system. *Otolaryngol. Head Neck Surg*, 93, 146–147. doi: 10.1177/019459988509300202
- Hsieh, C. L., Hsueh, I. P., Chiang, F. M. et al. (1998). Inter-rater reliability and validity of the action research arm test in stroke patients. *Age Ageing*, 27(2), 107–113. doi: 10.1093/ageing/27.2.107
- Hsu, H. Y., Su, F. C., Kuo, Y. L. et al. (2015). Assessment from Functional Perspectives: Using Sensorimotor Control in the Hand as an Outcome Indicator in the Surgical Treatment of Carpal Tunnel Syndrome. *PLoS One*, 10(6), e0128420. doi: 10.1371/journal.pone.0128420
- Huddleston, W. E., Ernest, B. E., & Keenan, K. G. (2014). Selective age effects on visual attention and motor attention during a cued saccade task. *Journal of Ophthalmology*, 860493. doi: 10.1155/2014/860493
- Huddleston, W. E., Aleksandrowicz, M. S., Yufa, A. et al. (2013). Attentional resource allocation during a cued saccade task. *Acta Psychol (Amst)*. 144: 112–120. doi: 10.1016/j.actpsy.2013.05.006
- Chen, S., Wolf, S. L., Zhang, Q. et al. (2012). Minimal Detectable Change of the Actual Amount of Use Test and the Motor Activity Log: The EXCITE Trial. *Neurorehabilitation and Neural Repair*, 26(5), 507–514. doi: 10.1177/1545968311425048

- Chen, K. L., Chen, C. T., Chou, Y. T. et al. (2014). Is the long form of the Fugl-Meyer motor scale more responsive than the short form in patients with stroke? *Arch Phys Med Rehabil*, 95(5), 941–949. doi: 10.1016/j.apmr.2014.01.014
- Chkeir, A., Jaber, R., Hewson, D. J. et al. (2012). Reliability and validity of the Grip-Ball dynamometer for grip-strength measurement. *Annu Int Conf IEEE Eng Med Biol Soc*, 1996–9. doi: 10.1109/EMBC.2012.6346348
- Chong Hao Ong N. (2015). The use of the Vienna Test System in sport psychology research: A review, *International Review of Sport and Exercise Psychology*, 8(1): 204–223. doi: 10.1080/1750984X.2015.1061581
- Incel, N. A., Ceceli, E., Durukan, P. B. et al. (2002). Grip strength: effect of hand dominance. *Singapore Med J*, 43(5), 234–237. PMID: 12188074
- Isernhagen, S. J. (2017). Functional Capacity Testing and Industrial Injury Treatment. In: Placzek, J. D., & Boyce D. A., (Eds.), *Orthopaedic Physical Therapy Secrets*. 3. ed. Elsevier, 260–264.
- Isernhagen, S. J. (1992). Functional capacity evaluation: rationale, procedure, utility of the kinesiophysical approach. *J Occup Rehabil*, 2, 157–168. doi: 10.1007/BF01077187
- Jaber, R., Hewson, D. J., & Duchêne, J. (2012). Design and validation of the Grip-ball for measurement of hand grip strength. *Med Eng Phys*, 34(9), 1356–61. doi: 10.1016/j.medengphy.2012.07.001
- Jacobson, B. H., Johnson, A., Grywalski, C. et al. (1997). The voice handicap index (VHI). Development and validation. *American Journal of Speech-Language Pathology*, 6(3), 66–70. doi: 10.1044/1058-0360.0603.66
- Jadcherla, S. (2016). Dysphagia in the high-risk infant: potential factors and mechanisms. *Am J Clin Nutr*, 103(2), 622–628. doi: 10.3945/ajcn.115.110106
- Janda, V. a kol. *Svalové funkční testy*. Grada.
- Jeannerod, M. (1988). *The neural and behavioral organization of goal-directed movements*. Clarendon Press.
- Jebsen, R. H., Taylor, N., Trieschmann, R. B. et al. (1969). An Objective and Standardized Test of Hand Function. *Archives of Physical Medicine & Rehabilitation*, 50(6), 311–319. PMID: 5788487.
- Jirawatnotai, S., Jomkoh, P., Voravitvet, T. Y. et al. (2021). Computerized Sunnybrook facial grading scale (SBface) application for facial paralysis evaluation. *Arch Plast Surg*, 48(3), 269–277. doi: 10.5999/aps.2020.01844
- Johansson, R. S., Westling, G., Bäckström, A. et al. (2001). Eye-hand coordination in object manipulation. *J Neurosci*, 21, 6917–6932. doi: 10.1523/JNEUROSCI.21-17-06917.2001
- Johnson, M. E., & An, K. N. (1997). Biomechanics of the Upper Extremity. In: Goldberg, B., & Hsu, J. D. (Eds.), *Atlas of Orthoses and Assistive Devices*. 3. ed. American Academy of Orthopaedic Surgeons, 115–123.
- Jongbloed-Pereboom, M., Nijhuis-van der Sanden, M. W., & Steenbergen, B. (2013). Norm scores of the box and block test for children ages 3-10 years. *Am J Occup Ther*, 67(3), 312–318. doi: 10.5014/ajot.2013.006643

- Julius, M. S, Meir, R., Shechter-Nissim, Z., & Adi-Japha, E. (2016). Children's ability to learn a motor skill is related to handwriting and reading proficiency. *Learning and Individual Differences*, 51, 265–272. doi: 10.1016/j.lindif.2016.08.034
- Kaiser, M. L., & Carrascob, C. A. (2019). Reliability of the Modified In-hand Manipulation Test and the Relationship Between In-hand Manipulation and Handwriting. *Iranian Rehabilitation Journal*, 17(3), 279–284. doi:10.32598/irj.17.3.279
- Kalvach, P., & Blažková, D. (2001). Lidská řeč. Kde vzniká a jak souvisí s myšlením? *Vesmír*, 80(10), 552–555. Dostupné z: vesmir.cz
- Kandel, E. R., Schwartz, J. H., & Jessell, T. M. (2000). *Principles of Neural Science*. 4. ed. The McGraw-Hill Companies.
- Kapandji, A. I. (2019). *The Physiology of the Joints I. The Upper Limb*. 7. ed. Handspring Publishing Ltd.
- Kappers, A. M. L. (2011). Human perception of shape from touch. *Philosophical Transactions of the Royal Society B*, 366, 3106–3114. doi: 10.1098/rstb.2011.0171
- Keenan, K. G., Huddleston, W. E., & Ernest, B. E. (2017). Altered visual strategies and attention are related to increased force fluctuations during a pinch grip task in older adults. *J Neurophysiol*, 118, 2537–2548. doi: 10.1152/jn.00928.2016
- Kindai University (2021). *Decreased Tongue Strength is Related to Sceletal Muscle Mass in COPD Subjects* [online]. Good Clinical Practice Network [cit. 26. 6. 2023]. Dostupné z: <https://ichgcp.net/clinical-trials-registry/NCT04761380>
- King, T. I. (2013). Interinstrument reliability of the Jamar electronic dynamometer and pinch gauge compared with the Jamar hydraulic dynamometer and B&L Engineering mechanical pinch gauge. *American Journal of Occupational Therapy*, 67(4), 480–483. doi: 10.5014/ajot.2013.007351
- Kittelová, A. (1999). *Myofunkční terapie*. Grada.
- Klenková, J. (2006). *Logopedie: narušení komunikační schopnosti, logopedická prevence, logopedická intervence v ČR, příklady z praxe*. Grada.
- Kolář, P. (2009). Neuromotorický vývoj a jeho vyšetřování. In: Kolář P. a kol., *Rehabilitace v klinické praxi*. 2009, s. 94–105. Galén.
- Kolektiv autorů. (1986). *Malá československá encyklopedie IV*. Academia.
- Korábová, P. (2021). Testování somatosenzorických funkcí. In: Vyskotová, J. et al. *Terapie ruky*. Univerzita Palackého v Olomouci, 44–68.
- Košťálová, M., Mračková, M., Mareček, R. et al. (2013). Test 3F Dysartrický profil – normativní hodnoty řeči v češtině. *Cesk SlovNeurol N*, 76/109(5), 614–618.
- Koukolík, F. (2012). *Lidský mozek: funkční systémy, norma a poruchy*. 3. přeprac. a rozšíř. vyd. Galén.
- Koziatek, S. M., & Powell, N. J. (2003). Pencil grips, legibility, and speed of fourth-graders' writing in cursive. *American Journal of Occupational Therapy*, 57(3), 284–288. doi: 10.5014/ajot.57.3.284
- Králíček, P. (2023). *Úvod do speciální neurofyzilogie*. 4. vyd. Galén.

- Krtickova, J., Svec, J., Haviger, J. et al. (2023). Validation of the Czech Version of the Voice Handicap Index. *Journal of Voice*, Jun 19: S0892-1997(23)00145-5. doi: 10.1016/j.jvoice.2023.04.020
- Kruger, A., Strauss, M., Marieta, M. et al. (2021). Assessment of in-hand manipulation by occupational therapists in paediatric practices in South Africa. *South African Journal of Occupational Therapy*, 51(2), 11–21. doi: 10.17159/2310-3833/2021/vol52n2a3
- Křivohlavý, J. (1988). *Jak si navzájem lépe porozumíme*. Nakladatelství Svoboda.
- Kuhtz-Buschbeck, J. P., Ehrsson, H. H., & Forssberg, H. (2001). Human brain activity in the control of fine static precision grip forces: an fMRI study. *European Journal of Neuroscience*, 14, 382–390. doi: 10.1046/j.0953-816x.2001.01639.x
- Kulišťák, P. (2003). *Neuropsychologie*. Portál.
- Kushki, A., Schwellnus, H., Ilyas, F. et al. (2011). Changes in kinetics and kinematics of handwriting during a prolonged writing task in children with and without dysgraphia. *Res Dev Disabil*, 32(3), 1058–1064. doi: 10.1016/j.ridd.2011.01.026
- Lafayette instrument. (1998). *The Minnesota Dexterity Test. Model 32023. Examiner's manual*. Revised Edition. doi: https://www.rehabmart.com/pdfs/141_2_n.pdf
- Lahtinen, R. (2008). *Haptics and haptemes, a case study of developmental process in social-haptic communication of acquired deafblind people*. Essex: AI Management UK.
- Langmeier, M. a kol. (2009). *Základy lékařské fyziologie*. Grada.
- Langmeier, J., & Krejčířová, D. (2006). *Vývojová psychologie*. 2., aktualiz. vyd. Grada.
- Larsen, S. C., & Hamill, D. D. (1989). *Test of Legible Handwriting: An Ecological Approach to Holistic Assessment*. Austin Tex: Pro-Ed.
- Lau, Ch. (2016). Development of infant oral feeding skills: what do we know? *American Journal of Clinical Nutrition*, 103(2), 616–621. doi: <https://doi.org/10.3945/ajcn.115.109603>
- Lawrence, E. L., Fassola, I., Werner, I. et al. (2014). Quantification of dexterity as the dynamical regulation of instabilities: comparisons across gender, age and disease. *Front Neurol*, 5, 53. doi: 10.3389/fneur.2014.00053
- LeBarton, E. S., & Iverson, J. M. (2016). Associations between gross motor and communicative development in at-risk infants. *Infant Behavior and Development*, 44, 59–67. doi: 10.1016/j.infbeh.2016.05.003
- Lebel, C., & Beaulieu, Ch. (2011). Longitudinal Development of Human Brain Wiring Continues from Childhood into Adulthood. *Journal of Neuroscience*, 31(30), 10937–10947. doi: 10.1523/JNEUROSCI.5302-10.2011
- Lehečková, E., & Jehlička, J. (2018). Multimodální konstrukce: jazyk a gestikulace jako vtělená kognice. Univerzita Karlova, [online], [cit. 1. 9. 2023]. Dostupné z [https: SALi 2018-2 \(cuni.cz\)](https://sal2018-2.cuni.cz)
- Lehečková, E., & Jehlička, J. (2019). Ruka pohledem lingvisty. *Umění fyzioterapie*, 7, 73–81.
- Lechta, V. a kol. (2003). *Diagnostika narušené komunikační schopnosti*. Portál.
- Leigh, R. J., & Zee, D. S. (2015). *The neurology of eye movements*. 5. ed. Oxford University Press.

- Lejska, M. (2003). *Poruchy verbální komunikace a foniatrie*. Paido.
- Levin, M. F., Kleim, J. A., & Wolf, S. L. (2009). What Do Motor "Recovery" and "Compensation" Mean in Patients Following Stroke? *Neurorehabilitation and Neural Repair*, 23(4), 313–319. doi: 10.1177/1545968308328727
- Lewis, J. W. (2006). Cortical network related to human use of tools. *Neuroscientist*, 12(3), 211–231. doi: 10.1177/1073858406288327
- Lincoln, N. B., Jackson JM, & Adams SA. (1998). Reliability and revision of the Nottingham sensory assessment for stroke patients. *Physiotherapy*, 8, 358–365. doi: 10.1016/S0031-9406(05)61454-X
- Lincoln, N. B., Crow, J. L., Jackson, J. M. ET AL. (1991). The unreliability of sensory assessment. *Clinical Rehabilitation*, 5, 273–282. doi: 10.1177/026921559100500403
- Liu, J., Bech, A. C., Stolzenbach Waehrens, S. et al. (2021). Perception and liking of yogurts with different degrees of granularity in relation to ethnicity, preferred oral processing and lingual tactile acuity. *Food Quality and Preference*, 90, 104158. doi: 10.1016/j.foodqual.2020.104158
- Longcamp, M., Boucard, C., & Gilhodes, J. C. et al. (2008). Learning through hand- or typewriting influences visual recognition of new graphic shapes: behavioral and functional imaging evidence. *J Cogn Neurosci*, 20(5), 802–815. doi: 10.1162/jocn.2008.20504
- Longcamp, M., Richards, T. L., Velay, J. L., & Berninger, V. W. Neuroanatomy of Handwriting and Related Reading and Writing Skills in Adults and Children with and without Learning Disabilities: French-American Connections. *Pratique*. 2016; 171–172. doi: 10.4000/pratiques.3175
- Love, R. J, & Webb, W. G. (2009). *Mozek a řeč: Neurologie nejen pro logopedy*. Portál.
- Lusardi, M. M., & Smith Jr. E. V. (1997). Development of a scale to assess concern about falling and applications to treatment programs. *J Outcome Meas*, 1(1), 34–55. PMID: 9661714.
- Mafi, P., Mafi, R., Hindocha, S., et al. (2012). A systematic review of dynamometry and its role in hand trauma assessment. *The Open Orthopaedics Journal*, 6 (Suppl. 1), 95–102. doi: 10.2174/1874325001206010095
- 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.
- Marr, D., Windsor, M. M., & Cermak, S. (2001). Handwriting Readiness: Locatives and Visuomotor Skills in the Kindergarten Year. *ECRP*, 3(1). Dostupné z: <http://ecrp.uiuc.edu/v3n1/marr.html>
- Marr, D., Cermak, S., Cohn, E. S. et al. (2003). Fine motor activities in Head Start and kindergarten classrooms. *Am J Occup Ther*, 57(5), 550–557. doi: 10.5014/ajot.57.5.550
- Marzke, M. W., & Marzke, R. F. (2000). Evolution of the human hand: approaches to acquiring, analysing and interpreting the anatomical evidence. *Journal of Anatomy*, 197(1), 121–140. doi: 10.1046/j.1469-7580.2000.19710121.x

- Mathiowetz, V., Weber, K., Volland, G. et al. (1984). Reliability and validity of grip and pinch strength evaluations. *J Hand Surg Am*, 9(2), 222–226. doi: 10.1016/s0363-5023(84)80146-x
- Mathiowetz, V., Weber, K., Kashman, N. et al. (1985). Adult Norms for the Nine Hole Peg Test of Finger Dexterity. *The Occupational Therapy Journal of Research*, 5(1), 24–37. doi: 10.1177/153944928500500102
- Mathiowetz, V., Federman, S., & Wiemer, D. (1985). Box and Block Test of Manual Dexterity: Norms for 6–19 Year Olds. *Canadian Journal of Occupational Therapy*, 52(5), 241–245. doi: 10.1177/000841748505200505
- Mathiowetz, V., Vizenor, L., & Melander, D. (2000). Comparison of Baseline instruments to the Jamar dynamometer and the B and L Engineering pinch gauge. *Occupational Therapy Journal of Research*, 20(3), 147–162. doi: 10.1177/153944920002000301
- Mathiowetz, V. (2002). Comparison of Rolyan and Jamar dynamometers for measuring grip strength. *Occup Ther Int*, 9(3), 201–209. doi: <https://doi.org/10.1002/oti.165>
- Mayer, M., & Hlušík, P. (2004). Ruka u hemiparetického pacienta. Neurofyziologie, patofyziologie, rehabilitace. *Rehabilitácia*, 41(1), 9–13.
- McCluskey, A., & Lannin, N. A. (2003). Handwriting assessment battery for adults. Test Booklet (Version 5). Sydney: The University of Western Sydney. <http://strokeed.com/wp-content/uploads/2017/08/HAB-Test-Booklet-V5-Oct-2008.pdf>
- McCombe, W. S., & Whittall, J. (2004). 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*, 85, 1076–1083. doi: 10.1016/j.apmr.2003.10.020
- McGrattan, K. E. et al. (2016). The physiologic coupling of sucking and swallowing coordination provides a unique proces for neonatal survival. *Acta Paediatrica*, 105(7), 790–797. doi: 10.1111/apa.13414
- Mikolajková, M. (2022). *Grafomotorika u zdravé dospělé populace*. Diplomová práce. Univerzita Karlova. Vedoucí práce: Krivošíková, M.
- Mikulášťíková, J. (2013). *Myofunkční poruchy u dětí předškolního věku a jejich vliv na orální řeč*. Diplomová práce. Univerzita Palackého v Olomouci. Vedoucí práce: Vitásková, K.
- Miller, L. J., Oakland, T., Herzberg, D. S. (2013). Goal-oriented Assessment of Lifeskills. Western Psycholocial Services. <https://assessments.academictherapy.com/i/goal-oriented-assessment-of-lifeskills>
- Miles, B. L., Berkowitz, K., Mueller, H. et al. (2022). Assessing tactile acuity in oral tissues: Challenges of stimulus development. *Food Quality and Preference*, 101, 104630. doi: 10.1016/j.foodqual.2022.104630
- Mlíka, R., Vingrálková, E., & Vyskotová, J. (2023). Multisenzorická integrace. *Rehabilitácia*, 60(1), 35–50.
- Moberg, E. (1990). Two-point discrimination test. A valuable part of hand surgical rehabilitation, e.g. in tetraplegia. *Scand J Rehabil Med*, 22(3), 127–134. PMID: 2244189.

- Monini, S., Ripoli, S., Filippi, C. et al. (2021). An objective, markerless videosystem for staging facial palsy. *Eur Arch Otorhinolaryngol*, 278(9), 3541–3550. doi: 10.1007/s00405-021-06682-z
- Monini, S., Marinozzi, F., Atturo, F. et al. (2017). Proposal of a Video-recording System for the Assessment of Bell's Palsy: Methodology and Preliminary Results. *Otol Neurotol*, 38(8), 1178–1185. doi: 10.1097/MAO.0000000000001498
- Morales, R. C. (2006). *Orofaciální regulační terapie. Metoda reflexní terapie pro oblast úst a obličeje*. Portál.
- Morávek, M. (1969). *Lidská řeč*. Orbis.
- Mosier, K., Lau, C. H., Wang, Y. et al. (2011). Controlling instabilities in manipulation requires specific cortical-striatal-cerebellar network. *Journal of neurophysiology*, 105(3), 1295–1305. doi: <https://doi.org/10.1152/jn.00757.2010>
- Neely, J. G., Cherian, N. G., Dickerson, C. B. et al. (2010). Sunnybrook facial grading system: reliability and criteria for grading. *Laryngoscope*, 120(5), 1038–1045. doi: 10.1002/lary.20868
- Nelson, D. L., Mitchell, M. A., Groszewski, P. G. et al. (1994). Wrist Range of Motion in Activities of Daily Living. In: Schuind, F. et al. (Eds.), *Advances in the Biomechanics of the Hand and Wrist*. Plenum Press, 329–333.
- Neumann, S., Kwisda, S., Krettek, Ch. et al. (2017). Comparison of the Grip Strength Using the Martin-Vigorimeter and the JAMAR-Dynamometer: Establishment of Normal Values. *In Vivo*, 31(5), 917–924. doi: <https://iv.iiarjournals.org/content/31/5/917>
- Neuwirth, W., & Benesch, M. (2010). *Motor Performance Series Version 27.00*. Mödling: Schuhfried GmbH.
- No, B., & Choi, N. (2021). Differences in Graphomotor Skills by the Writing Medium and Children's Gender. *Education Sciences*, 11, 162. doi: 10.3390/educsc11040162
- Nováková, P. (2016). *Vliv fyzioterapeutické intervence u pacientů s otevřeným skusem*. Diplomová práce. Ostravská univerzita. Vedoucí práce: Vyskotová, J.
- Nowak, D. A., Grefkes, C., Dafotakis, M. et al. (2007). Dexterity is impaired at both hands following unilateral subcortical middle cerebral artery stroke. *European Journal of Neuroscience*, 25(10), 3173–3184. doi: 10.1111/j.1460-9568.2007.05551.x
- Odokuma, I. E., & Ojigho, E. J. (2019). Pencil grip patterns among pupils. *Sahel Medical Journal*, 22, 121–126. doi: 10.4103/smj.smj_75_17
- Oliveira, C. S., Almeida, C. S., Freitas, L. C. et al. (2016). Use of the Box and Block Test for the evaluation of manual dexterity in individuals with central nervous system disorders: A systematic review. *Manual Therapy, Posturology & Rehabilitation Journal*, 14, 436. doi: 10.17784/mtprehabjournal.2016.14.436
- Opatřilová, D. (2005). Grafomotorika. Jemná motorika. Hrubá motorika. In: *Diagnostika a edukace dětí a žáků s těžkým zdravotním postižením*. IPPP ČR, 21–26.
- Opatřilová, D. (2013). *Pedagogická intervence v raném a předškolním věku u jedinců s dětskou mozkovou obrnou*. Vydavatelství Masarykovy univerzity.

- Opavský, J. (2002). *Autonomní nervový systém a diabetická autonomní neuropatie: klinické aspekty a diagnostika*. Galén.
- Opavský, J. (2003). *Neurologické vyšetření v rehabilitaci pro fyzioterapeuty*. Univerzita Palackého v Olomouci.
- Opavský, J. (2006). Neuropatické bolesti – patofyziologické mechanismy a principy terapie. *Neurol pro praxi*, 5, 270–274.
- Orth, H. (2009). *Dítě ve Vojtově terapii*. Kopp.
- Oxford Grice, K., Vogel, K. A., Le, V. et al. (2003). Adult norms for a commercially available Nine Hole Peg Test for finger dexterity. *American Journal of Occupational Therapy*, 57, 570–573. doi: 10.5014/ajot.57.5.570
- Palmis, S., Danna, J., Velay, J. L. et al. (2017). Motor control of handwriting in the developing brain: A review. *Cognitive Neuropsychology*, 34(3-4), 187–204. doi: 10.1080/02643294.2017.1367654
- Parker, C., Keefe, E. R., Herzog, N. M. et al. (2016). The pyrophilic primate hypothesis. *Evolutionary Anthropology*, 25(2), 54–63. doi: 10.1002/evan.21475
- Penta, M., Tesio, L., Arnould, C. et al. (2001). The ABILHAND Questionnaire as a Measure of Manual Ability in Chronic Stroke Patients: Rasch-Based Validation and Relationship to Upper Limb Impairment. *Stroke*, 32, 1627–1634. doi: 10.1161/01.STR.32.7.1627
- Peppoloni, L., Lawrence, E. L., Ruffaldi, E. et al. (2017). Characterization of the disruption of neural control strategies for dynamic fingertip forces from attractor reconstruction. *PLoS One*, 12(2), e0172025. doi: 10.1371/journal.pone.0172025
- Petrová, A., & Plevová, I. (2018). *Vybrané kapitoly z vývojové psychologie*. Ostravská univerzita.
- Penc, V. (1958). *Metodika psaní: Pomocná kniha pro 3. ročník pedagogických škol pro vzdělání učitelů národních škol*. SPN.
- Phelps, J., Stempel, L., & Speck, G. (1985). The Children's Handwriting Scale: A New Diagnostic Tool, *The Journal of Educational Research*, 79(1), 46–50. doi: 10.1080/00220671.1985.10885646
- Picard, D., Lannadere, E., Robin, E. et al. (2021). Oro-facial motor assessment: validation of the MBLF protocol in facial palsy. *European Archives of Oto-Rhino-Laryngology*, 278(4), 1017–1025. doi: 10.1007/s00405-020-06150-0. hal- 03275530
- Pigg, M., Baad-Hansen, L., Svensson, P. et al. (2010). List, T. Reliability of intraoral quantitative sensory testing (QST). *PAIN*, 148(2), 220–226. doi: <https://doi.org/10.1016/j.pain.2009.10.024>
- Pike, S., Lannin, N. A., Wales, K. et al. (2018). A systematic review of the psychometric properties of the Action Research Arm Test in neurorehabilitation. *Australian Occupational Therapy Journal*, 65(5), 449–471. doi: 10.1111/1440-1630.12527
- Pfenninger, B. (1984). *Ergotherapie bei Erkrankungen und Verletzungen der Hand*. Springer-Verlag.

- Poirier, F. (1988). Dexterity as a valid measure of hand function. *Occupational Therapy in Health Care*, 4(3-4), 69–83. doi:10.1080/J003v04n03_0
- Pont, K., Wallen, M., Bundy, A. et al. (2008). Reliability and Validity of the Test of In-Hand Manipulation in Children Ages 5 to 6 Years. *The American Journal of Occupational Therapy*, 62(4), 384–392. doi: 10.5014/ajot.62.4.384
- Poole, J. L., Burtner, P. A., Torres, T. A. et al. (2005). Measuring dexterity in children using the Nine-hole Peg Test. *J Hand Ther*, 18(3), 348–351. doi: 10.1197/j.jht.2005.04.003
- Prescott, J., Bartoshuk, L. M., & Prutkin, J. M. (2004). 6-n-Propylthiouracil tasting and the perception of non-taste oral sensations. In: Prescott, J., & Tepper, B. J. (eds): *Genetic Variation in Taste Sensitivity*. Dekker, 89–104.
- Prunty, M., Barnett, A. L., Wilmut, K., & Plumb, M. (2016). Visual perceptual and handwriting skills in children with Developmental Coordination Disorder. *Human Movement Science*, 49, 54–65. doi: 10.1016/j.humov.2016.06.003
- Puhr, U. (2011). *Manual Two-Hand Coordination, Test Label 2HAND*. Mödling: Schuhfried GmbH.
- Ranganathan, V. K., Siemionow, V., Sahgal, V. et al. (2001). Effects of Aging on Hand Function. *Journal of the American Geriatrics Society*, 49(11), 1478–1484. doi: 10.1046/j.1532-5415.2001.4911240.x
- Reisman, J. E. (1993). Development and reliability of the research version of the Minnesota Handwriting Test. *Physical & Occupational Therapy in Pediatrics*, 13(2), 41–55. doi: 10.1300/J006v13n02_03
- Rodger, S. (1994). A survey of assessments used by paediatric occupational therapists. *Australian Occupational Therapy Journal*, 41, 137–142. doi/abs/10.1111/j.1440-1630.1994.tb01300.x
- Rokyta, R. a kol. (2015). *Fyziologie a patologická fyziologie pro klinickou praxi*. Grada.
- Rosén, B. (1996). Recovery of sensory and motor function after nerve repair: A rationale for evaluation. *Journal of Hand Therapy*, 9(4), 315–327. doi: 10.1016/s0894-1130(96)80037-8
- Rosén, B., & Lundborg G. (1998). A new tactile gnosis instrument in sensibility testing. *Journal of Hand Therapy*, 11, 251–257. doi: 10.1016/s0894-1130(98)80020-3
- Rosenblum, S. (2008). Development, Reliability, and Validity of the Handwriting Proficiency Screening Questionnaire (HPSQ). *American Journal of Occupational Therapy*, 62, 298–307. doi: 10.5014/ajot.62.3.298
- Rosenblum, S., & Gafni-Lachter, L. (2015). Handwriting Proficiency Screening Questionnaire for Children (HPSQ-C): Development, Reliability, and Validity. *American Journal of Occupational Therapy*, 69(3), 6903220030. doi: 10.5014/ajot.2015.014761
- Rosenblum, S. (2018). Inter-relationships between objective handwriting features and executive control among children with developmental dysgraphia. *PLoS One*, 13(4), e0196098. doi: 10.1371/journal.pone.0196098
- Ross, B. G., Fradet, G., & Nedzelski J. M. (1996). Development of a sensitive clinical facial grading system. *Otolaryngol Head Neck Surg*. 114(3), 380–386. doi: 10.1016/S0194-59989670206-1

- Rossetti, P. H. O., Bonachela, W. C., & Nunes, L. M. O. (2004). Oral Stereognosis Related to the Use of Complete Dentures: A Literature Review. *International Journal of Oral-Medical Sciences*, 2(1), 57–60. doi: 10.5466/ijoms.2.57
- Roubíčková, J., Hedánek, J., & Stráník, A. (2011). *Test 3F. Dysartrický profil*. 3. doplň. a přeprac. vyd. Galén.
- Rouse, A. G., & Schieber, M. H. (2016). Spatiotemporal distribution of location and object effects in the electromyographic activity of upper extremity muscles during reach-to-grasp. *J Neurophysiol*, 115(6), 3238–48. doi: 10.1152/jn.00008.2016
- Rybářová, K., Sýkorová, J., Nováková, O. et al. (2022). Limitace hodnocení jemné motoriky ve vybraných standardizovaných testech z pohledu ergoterapeutů. *Rehabilitace a fyzikální lékařství*, 29(4), 215–221. doi: 10.48095/ccrhfl2022215
- Saddiki-Traki, F., Tremblay, N., Tremblay, R. W. et al. (1999). Differences between the tactile sensitivity on the anterior torso of normal individuals and those having suffered complete transection of the spinal cord. *Somatosensory & Motor Research*, 16(4), 391–401. doi: 10.1080/08990229970447
- Saida, Y., & Miyashita, M. (1979). Development of fine motor skill in children: Manipulation of a pencil in young children aged 2 to 6 years old. *Journal of Human Movement Studies*, 5, 104–113. Dostupné z: https://www.researchgate.net/publication/279716515_Development_of_fine_motor_skill_in_children_Manipulation_of_a_pencil_in_young_children_aged_2_to_6_years_old
- Sandyk, R. (1992). A tribute to Professor Sidney Weinstein on his 70th birthday. *International Journal of Neuroscience*, 64(1-4), 1–6. doi: 10.3109/00207459209000529
- Scoville, H. (2021). Primate Evolution: A Look at Adaptations. *ThoughtCo*, Feb. 16. Dostupné z: <https://www.thoughtco.com/overview-of-primate-evolution-1224786>
- Seifpanahi, M. S., Jalaei, S, Nikoo, M. R. et al. (2015). Translated Versions of Voice Handicap Index (VHI)-30 across Languages: A Systematic Review. *Iranian journal of public health*, 44(4), 458–469. PMID: 26056664
- Selin, A. S. (2003). *Pencil grip: a descriptive model and four empirical studies*. Abo Akademi University Press.
- Selles, R. W., van Ginneken, B. T., Schreuders, T. A. et al. (2006). Dynamometry of intrinsic hand muscles in patients with Charcot-Marie-Tooth disease. *Neurology*, 67(11), 2022–7. doi: 10.1212/01.wnl.0000247272.96136.16
- Semmes, J., Weinstein, S., Ghent, L. et al. (1960). *Somatosensory changes after penetrating brain wounds in man*. Harvard University Press.
- Seo, S. M. (2018). The effect of fine motor skills on handwriting legibility in preschool age children. *J Phys Ther Sci*, 30(2), 324–327. doi: 10.1589/jpts.30.324
- Serrien, D. J., & Brown, P. (2003). The integration of cortical and behavioural dynamics during initial learning of a motor task. *European Journal of Neuroscience*, 17, 1098–1104. doi: 10.1046/j.1460-9568.2003.02534.x
- Shaker, R., Cook, I. J. S., Dodds WJ. et al. (1988). Pressure-flow dynamics of the oral phase of swallowing. *Dysphagia*, 3, 79–84. doi: 10.1007/BF02412424

- Shaw Schuster, C., & Smith Ashburn, S. (1992). *The process of human development: A holistic life-span approach*. 3. ed. J. B. Lippincott Co.
- Shimoyama, I., Ninchoji, T., & Uemura, K. (1990). The finger-tapping test. A quantitative analysis. *Arch Neurol*, 47(6), 681–684. doi: 10.1001/archneur.1990.00530060095025
- Shumway-Cook, A., & Woolacott, M. H. (2001). *Motor Control. Theory and Practical Applications*. 2. ed. Lippincott Williams & Wilkins.
- Shy, M. E., Frohman, E. M., So, Y. T. et al. (2003). Quantitative sensory testing: report of the Therapeutics and Technology Assessment Subcommittee of the American Academy of Neurology. *Neurology*, 60, 898–904. doi: 10.1212/01.wnl.0000058546.16985.11
- Scherbov, S., Spitzer, S., & Steiber, N. (2022). Thresholds for clinical practice that directly link handgrip strength to remaining years of life: estimates based on longitudinal observational data. *BMJ Open*, 12(7), e058489. doi: 10.1136/bmjopen-2021-058489
- Schieber, M. H., & Santello, M. (2004). Hand function: peripheral and central constraints on performance. *Journal of Applied Physiology*, 96, 2293–2300. doi: 10.1152/japplphysiol.01063.2003
- Schierová, Z. (2019). Fylogenetický vývoj lidské ruky. *Umění fyzioterapie*, 7, 21–25.
- Schneck, C. M., & Henderson, A. (1990). Descriptive analysis of the developmental progression of grip position for pencil and crayon control in nondysfunctional children. *American Journal of Occupational Therapy*, 44(10), 893–900. doi: 10.5014/ajot.44.10.893
- Schneck C. M., & Case-Smith, J. (2015). Prewriting and Handwriting Skills. In: Case-Smith J., & O'Brien J. C. (eds.), *Occupational Therapy for Children*. 7. ed. Mosby/Elsevier, 498–519.
- Schuhfried. *Vienna Test System*. Dostupné z: <https://www.schuhfried.com/vienna-test-system/>
- Schwartz, D. A. (2005). What Can Handgrip Strength Tell the Therapist about Hand Function? *Journal of Hand Therapy*, 18(4), 457. doi: <https://doi.org/10.1197/j.jht.2005.09.003>
- Schwellnus, H., Carnahan, H., Kushki, A. et al. (2012). Effect of pencil grasp on the speed and legibility of handwriting after a 10-minute copy task in Grade 4 children. *Australian Occupational Therapy Journal*, 59, 180–187. doi: 10.1111/j.1440-1630.2012.01014.x
- Schwellnus, H., Carnahan, H., Kushki, A. et al. (2013). Writing forces associated with four pencil grasp patterns in grade 4 children. *American Journal of Occupational Therapy*, 67(2), 218–227. doi: 10.5014/ajot.2013.005538
- Sinanović O., Mrkonjić Z., Zukić S. et al. (2011). Post-stroke language disorders. *Acta Clin Croat*, 50(1), 79–94. PMID: 22034787.
- Sipers, W. M., Verdijk, L. B., Sipers, S. J. et al. (2016). The Martin Vigorimeter Represents a Reliable and More Practical Tool Than the Jamar Dynamometer to Assess Handgrip Strength in the Geriatric Patient. *Journal of the American Medical Directors Association*, 17(5), 466–467. doi: 10.1016/j.jamda.2016.02.026
- Sisti, J. A., Christophe, B., Rakovich Seville, A. et al. (2017). Computerized spiral analysis using the iPad. *Journal of Neuroscience Methods*, 275, 50–54. doi: 10.1016/j.jneumeth.2016.11.00

- Sjögreen, L., Lohmander, A., & Kiliaridis, S. (2011). Exploring quantitative methods for evaluation of lip function. *J Oral Rehabil*, 38(6), 410–422. doi: 10.1111/j.1365-2842.2010.02168.x
- Slavíková, M. (2008). Integrace vokální a motorické složky v pěveckém projevu. In: *Hudební výchova 2008–3. webová konference KHV PdF OU, Ostrava*, 274–281.
- Smith, Y. A., Hong, E., & Presson, C. (2000). Normative and validation studies of the Nine-hole Peg Test with children. *Percept Mot Skills*, 90(3 Pt 1), 823–843. doi: 10.2466/pms.2000.90.3.823
- Smýkal, J. (1994). *Pohled do dějin slepeckého písma*. Česká unie nevidomých a slabozrakých.
- Soderberg, G. L. (1997). *Kinesiology*. 2. ed. Williams & Wilkins.
- Soechting, J. F., & Flanders, M. (2008). Sensorimotor control of contact force. *Current Opinion in Neurobiology*, 18, 565–572. doi: 10.1016/j.conb.2008.11.006
- Sowell, E. R., Peterson, B. S., Thompson, P. M. et al. (2003). *Nature Neuroscience*, 6, 309–315. doi: 10.1038/nn1008
- Stanley, K., Hagenah, J., Brüggemann, N. et al. (2010). Digitized spiral analysis is a promising early motor marker for Parkinson Disease. *Parkinsonism & Related Disorders*, 16 (3), 233–234. doi: 10.1016/j.parkreldis.2009.12.007
- Stuart-Hamilton, I. (1997). *Psychologie stárnutí*. Portál.
- Svantesson, U., Nordé, M., Svensson, S. et al. (2009). A comparative study of the Jamar® and the Grippit® for measuring handgrip strength in clinical practice. *Isokinetics and Exercise Science*, 17(2), 85–91. doi: 10.3233/IES-2009-0338
- Svoboda, P. (2005). Reedukační cvičení pro nápravu očních pohybů u dyslektických dětí. *Speciální pedagogika: časopis pro teorii a praxi speciální pedagogiky*, 15(1), 11–20.
- Šafárová, K., Mekyska, J., Zvončák, V. et al. (2020). Handwriting Proficiency Screening Questionnaire – Czech Version. *Front. Psychol*, 10, 2937. doi: 10.3389/fpsyg.2019.02937
- Šafárová, K., Mekyska, J., Urbánek, T. et al. (2022). *Grafomotorické dovednosti. Nové přístupy k diagnostice*. Masarykova univerzita.
- Švec, J. G., Lejska, M., Frostová, J. et al. (2009). Česká verze dotazníku Voice Handicap Index pro kvantitativní hodnocení hlasových potíží vnímaných pacientem. *Otorinolaringologie a foniatrie*, 58(3), 132–139.
- Taub, E., Uswatte, G., King, D. K. et al. (2006). A placebo-controlled trial of constraint-induced movement therapy for upper extremity after stroke. *Stroke*, 37, 1045–1049. doi: 10.1161/01.STR.0000206463.66461.97
- Taylor, S., Elliott, C., McLean, B. et al. (2022). Construct validity, reliability, and responsiveness of the Wrist Position Sense Test for use in children with hemiplegic cerebral palsy. *Australian Occupational Therapy Journal*, 69(5), 637–646. doi: 10.1111/1440-1630.12825
- Tedla, M. (2009). *Poruchy polykání*. Tobiáš.
- Thiel, E. (1997). *Mluvíme tělem*. Knižní klub.

- Thichanpiang, P., Kaunnil, A., Lee, K. et al. (2022). Psychometric Assessment of the Handwriting Proficiency Screening Questionnaire (HPSQ) – Thai Version for Primary School-Aged Children. *Children*, 9(10), 1580. doi: 10.3390/children9101580
- Thiry, B. (2009). Exploring the Validity of Graphology with the Rorschach Test. *Rorschachiana Journal of the International Society for the Rorschach*, 30(1), 26–47. doi: 10.1027/1192-5604.30.1.26
- Thonnard, J. L., Plaghki, L., & Bragard, D. (1994). EVAMAIN: Computerised System for the Evaluation of the Hand. In: Schuind, F. et al. (Eds.), *Advances in the Biomechanics of the Hand and Wrist*. Plenum Press.
- Tissue, C. M., Velleman, P. F., Stegink-Jansen, C. V. et al. (2017). Validity and reliability of the Functional Dexterity Test in children. *Journal of Hand Therapy*, 30(4), 500–506. doi: 10.1016/j.jht.2016.08.002
- Trampisch, U. S., Franke, J., Jedamzik, N. et al. (2012). Optimal Jamar dynamometer handle position to assess maximal isometric hand grip strength in epidemiological studies. *Journal of Hand Surgery*, 37(11), 2368–2673. doi: 10.1016/j.jhsa.2012.08.014
- Tremblay, J., Curatolo, S., Leblanc, M. et al. (2019). Establishing normative data for the Functional Dexterity Test in typically developing children aged 3–5 years. *J Hand Ther*, 32(1), 93–102. doi: 10.1016/j.jht.2017.09.011
- Trevarrow MP, Kurz MJ, McDermott TJ et al. (2019). *NeuroImage*, 184, 455–461. doi: 10.1016/j.neuroimage.2018.09.018
- Trojan, S., Druga, R., Pfeiffer, J. et al. (2005). *Fyziologie a léčebná rehabilitace motoriky člověka*. 3. přeprac. a doplň. vyd. Grada.
- Trojan, S. a kol. (2003). *Lékařská fyziologie*. 4. vyd. Grada.
- Tseng, M. H., & CHow, S. M. K. (2000). Perceptual-motor function of school-age children with slow handwriting speed. *American Journal of Occupational Therapy*, 54(1), 83–88. doi: 10.5014/ajot.54.1.83
- Tsitseroshin, M. N., & Galperina, E. I. (2012). Correlative formation of functions as one of mechanisms of functional evolution (by example of development in child's ontogenesis of central maintenance of stereognosis and speech function). *J Evol Biochem Phys*, 48, 355–373. doi: 10.1134/S0022093012030140
- Uswatte, G., Taub, E., Griffin, A. et al. (2012). The Pediatric Motor Activity Log-Revised: Assessing Real-World Arm Use in Children With Cerebral Palsy. *Rehabilitation Psychology*, 57(2), 149–158. doi: 10.1037/a0028516
- Vágnerová, M. (2005). *Vývojová psychologie*. Karolinum.
- Vágnerová, M., & Lisá, L. (2021). *Vývojová psychologie: dětství a dospívání*. 3. přeprac. a doplň. vyd. Karolinum.
- Vaivre-Douret, L., & Burnod, Y. (2001). Development of a global motor rating scale for young children (0-4 years) including eye-hand grip coordination. *Child Care Health Dev*, 27(6), 515–514. doi: 10.1046/j.1365-2214.2001.00221.x

- Valero-Cuevas, F. J., Smaby, N., Venkadesan, M. et al. (2003). The strength-dexterity test as a measure of dynamic pinch performance. *Journal of Biomechanics*, 36, 265–270. doi: 10.1016/S0021-9290(02)00340-8
- Valero-Cuevas, F. J. (2005). An integrative approach to the biomechanical function and neuromuscular control of the fingers. *Journal of Biomechanics*, 38(4), 673–684. doi: 10.1016/j.jbiomech.2004.04.006
- Van der Lee, J. H., De Groot, V., Beckerman, H. et al. (2001). The intra- and interrater reliability of the action research arm test: a practical test of upper extremity function in patients with stroke. *Arch Phys Med Rehabil*, 82(1), 14–9. doi: 10.1053/apmr.2001.18668
- Vandervelde, L., Van den Bergh, P. Y, Penta, M. et al. (2010). Validation of the ABILHAND questionnaire to measure manual ability in children and adults with neuromuscular disorders. *J Neurol Neurosurg Psychiatry*, 81(5), 506–512. doi: 10.1136/jnnp.2009.177055
- van Galen, G. P. (1993). Handwriting: A Developmental Perspective. In: Kalverboer, A. F. et al. (Eds.), *Motor Development in Early and Later Childhood: Longitudinal Approaches*. Cambridge University Press, 217–228. doi: 10.1017/CBO9780511663284.016
- van Gemmert, A. W. A., & Teulings, H. L. (2006). Advances in graphonomics: Studies on fine motor control, its development and disorders. *Human Movement Science*, 25(4–5), 447–453. doi: 10.1016/j.humov.2006.07.002
- van Grunsven, W., Njikiktjen, C., Vranken, M. et al. (2003). Ontogenetic trends in hand function in 3- to 12- yr-old children. *Perceptual and Motor Skills*, 96, 1043–1061. doi: 10.2466/pms.2003.96.3c.1043
- Vařeka, I. (2001). Lateralita ve vývojové kineziologii a funkční patologii pohybového systému. *Rehabilitace a fyzikální lékařství*, 8(2), 92–98.
- Véle, F. (2006). *Kineziologie. Přehled klinické kineziologie a patokineziologie pro diagnostiku a terapii poruch pohybové soustavy*. Triton.
- Vermeulen, J., Neyens, J. C., Spreeuwenberg, M. D. et al. (2015). Measuring grip strength in older adults: comparing the grip-ball with the Jamar dynamometer. *Journal of Geriatric Physical Therapy*, 38(3), 148–153. doi: 10.1519/JPT.0000000000000034
- Veselková, E. (2020). *Grafomotorika u pacientů po cévní mozkové příhodě*. Diplomová práce. Univerzita Karlova. Vedoucí práce Krivošíková, M.
- Visser, M., Nel, M., du Plessis, C. et al. (2016). In-hand manipulation (IHM) in children 6 and 7 years of age: a follow-up study. *South African Journal of Occupational Therapy*, 46(2), 52–58. doi: 10.17159/2310-3833/2016/v46n2a9
- Viswanathan, S., & Jadcherla, S. (2020). Feeding and Swallowing Difficulties in Neonates: Developmental Physiology and Pathophysiology. *Clinics in Perinatology*, 47(2), 223–241. doi: 10.1016/j.clp.2020.02.005
- Vitásková, K. (2005). Fyziologie produkce a percepce orální komunikace s důrazem na orální praxi. In: Peutelschmiedová, A., & Vitásková, K. *Logopedie*. Univerzita Palackého v Olomouci.
- Vitásková, K. (2013). *Fylogeneze a ontogeneze řeči*. Univerzita Palackého v Olomouci.

- Vitásková, K., & Říhová A. (2015). Analýza oromotorických schopností u osob s poruchami autistického spektra. In: Vitásková, K. a kol. *Hodnocení komunikačních specifík vybraných skupin jedinců s narušenou komunikační schopností*. Univerzita Palackého v Olomouci, 9–33.
- Vlčková, E., & Šrotová, I. (2014). Vyšetření senzitivity. *Cesk Slov Neurol N*, 77/110(4): 402–418.
- Vodička, I. *Boj o špetku..., aneb, Soumrak spojitého písma* (2020). Imagine Media. Dostupné z: www.levactvi.cz/publikacni-cinnost/
- Vojkovská, K. (2015). *Hodnocení hlasu hlasových profesionálů na území města Ostravy – epidemiologická studie*. Disertační práce. Ostravská univerzita. Školitel Mrázková, E.
- Vojta, V. (1993). *Mozkové hybné poruchy v kojeneckém věku. Včasná diagnóza a terapie*. Grada a Avicenum.
- Vojta, V., & Peters, A. (1995). *Vojtův princip. Svalové souhry v reflexní lokomoci a motorická ontogeneze*. Grada.
- Volemanová, M. (2019). *Přetrvávající primární reflexy: opomíjený faktor problémů učení a chování*. 2. rozšíř. vyd. INVTs.
- Volemanová, M. (2020). Primární reflexy a jejich vliv na motoriku a řeč. *Listy klinické logopedie*, 1, 37–44.
- Vollmer, B., Holmström, L., Forsman, L. et al. (2010). Evidence of validity in a new method for measurement of dexterity in children and adolescents. *Developmental Medicine & Child Neurology*, 52(10), 948–954. doi: 10.1111/j.1469-8749.2010.03697.x
- Vyskotová, J. (2003). 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*. 6 (n. s. 1), 190–192.
- Vyskotová, J. (2008). *Test manipulačních funkcí s použitím stavebnice Ministav*. Disertační práce. Školitel Vaverka, F. Univerzita Palackého v Olomouci.
- Vyskotová, J., & Macháčková, K. (2013). *Jemná motorika. Vývoj, motorická kontrola, hodnocení a testování*. Grada.
- Vyskotová, J. (2019). Lidské ruce – nástroje tvůrců. *Umění fyzioterapie*, 7, 21–25.
- Vyskotová, J., Krejčí, I., Macháčková, K. a kol. (2021). *Terapie ruky*. Univerzita Palackého v Olomouci.
- Vyskotová, J., & Krejčí, I. (2021). Výcvik komunikační funkce rukou. In: Vyskotová J. et al. *Terapie ruky*. Univerzita Palackého v Olomouci, 124–136.
- Vyskotová, J., Záthurecký, E., Gottfriedová, N. et al. (2022). Laryngokély a možnosti rehabilitace. *Rehabilitace a fyzikální lékařství*, 29(4), 164–168.
- Vyskotová, J., Rybišárová, M., Gaul Aláčová, P. et al. (2023). Analýza preferovaných úchopů psacího náčiní u českých vysokoškolských studentů. *Rehabil fyzik. 30(1)*, 24–33.
- Wade, D. T. (1992). *Measurement in neurological rehabilitation*. *Curr Opin Neurol Neurosurg*, 5(5), 682–686. PMID: 1392142.
- Ward, N. S., & Frackowiak, R. S. J. (2003). Age-related changes in the neural correlates of motor performance. *Brain*, 126(4), 873–888. doi: 10.1093/brain/awg071