

**'Specialization in ICTs and Special Education: Psychopedagogy of Integration'
Postgraduate Program Studies
DEMOKRITUS UNIVERSITY OF THRACE Department of Hellenic Philology
in collaboration with
NCSR DEMOKRITOS Informatics and Telecommunications Institute**

**DESIGN OF KINETIC INTERVENTION IN A CHILD WITH ARTICULAR
AND EXPRESSION DISORDER, MILD SOCIAL EMOTIONAL
IMMATURITY AND DIFFICULTIES OF CONCENTRATION AND
ATTENTION AFTER EVALUATION USING THE DEKA-PRO PACHAGE**

TSTSIPA APHRODITI

POSTGRADUATE
THESIS

SUPERVISOR – COMMITTEE

1. ΚΑΜΠΙΑΣ ΑΝΤΩΝΗΣ
ΚΑΘΗΓΗΤΗΣ ΤΕΦΑΑ ΔΠΘ
2. ΒΕΝΕΤΣΑΝΟΥ ΦΩΤΕΙΝΗ
ΕΠΙΚΟΥΡΗ ΚΑΘΗΓΗΤΡΙΑ ΤΕΦΑΑ ΕΚΠΑ
3. ΣΥΡΙΟΠΟΥΛΟΥ ΧΡΙΣΤΙΝΑ
ΕΠΙΚΟΥΡΗ ΚΑΘΗΓΗΤΡΙΑ ΠΑΝΕΠΙΣΤΗΜΙΟ ΜΑΚΕΔΟΝΙΑΣ

KOMOTINI / ATHENS 2018

i. ΠΕΡΙΛΗΨΗ

Τσιτσιπά Αφροδίτη: Σχεδιασμός κινητικής παρέμβασης σε παιδί με διαταραχή της άρθρωσης και έκφρασης, ήπια κοινωνικό συναισθηματική ανωριμότητα και δυσκολίες συγκέντρωσης και προσοχής μετά από αξιολόγηση με τη χρήση της Δέσμης Δέκα- προ.

(Με την επίβλεψη του κ. Αντώνιου Καμπά, καθηγητή)

Σκοπός της παρούσας έρευνας ήταν να σχεδιαστεί ένα ατομικό πρόγραμμα κινητικής παρέμβασης σε ένα παιδί με διαταραχή της άρθρωσης και έκφρασης, ήπια κοινωνικό συναισθηματική ανωριμότητα και δυσκολίες συγκέντρωσης και προσοχής, αφού πρώτα αξιολογηθεί με το εργαλείο κινητικής ανίχνευσης ΔΕΚΑ ΠΡΟ. Μετά την παρακολούθηση του προγράμματος παρέμβασης θα ακολουθούσε άλλη μια αξιολόγηση με το ίδιο διαγνωστικό εργαλείο. Έτσι, πραγματοποιήθηκαν δύο μετρήσεις με τα αποτελέσματα της δεύτερης μέτρησης να είναι βελτιωμένα.

Λέξεις κλειδιά: κινητική ανίχνευση, δυσκολίες συγκέντρωσης και προσοχής, πρόγραμμα κινητικής παρέμβασης

ii. ABSTRACT

Tsitsipa Afroditi: Design of kinetic intervention in a child with articular and expression disorder, mild social emotional immaturity and difficulties of concentration and attention after evaluation using the DEKA-PRO package.

(Under the supervision of Antonios Kambas, Professor)

The purpose of this study was to designed a personal kinetic programme based on a child with articular and expression disorder, mild social emotional immaturity and difficulties of concentration and attention after the evaluation with the DEKA- PRO package. A second evaluation happened after the application of the programme. The results of the second measure was better.

Key words: motor investigation, concentration and attention difficulties, motor programme

ΒΙΒΛΙΟΓΡΑΦΙΑ References

Ελληνόγλωσση:

- ❖ Atkinson, R.L., Atkinson, R.C., Smith, E.E., Bem, D.J., Nolen-Hoeksema, S. (2003). Εισαγωγή στη ψυχολογία. Αθήνα: Παπαζήση.
- ❖ Γλύκας Μ. & Καλομοίρης Γ. (2003). *Διαταραχές επικοινωνίας και λόγου: Πρόληψη, έρευνα, παρέμβαση και νέες τεχνολογίες στην υγεία*. Αθήνα: Ελληνικά Γράμματα.
- ❖ Ζώνιου – Σιδέρη Α. (2012). *Σύγχρονες ενταξιακές προσεγγίσεις, Θεωρία και πράξη*. Αθήνα : Ελληνικά Γράμματα.
- ❖ Heward, W. L. (2011). Διαταραχή ελλειμματικής προσοχής- υπερκινητικότητα. Στο Α. Δαβάζογλου & Κ. Κόκκινος (Επιμ.), *Παιδιά με ειδικές ανάγκες. Μια εισαγωγή στην Ειδική Εκπαίδευση*. (σσ. 251-284). Αθήνα: Τόπος.
- ❖ Κάκουρος Ε. & Μανιαδάκη Κ., (2000). *Διαταραχή ελλειμματικής προσοχής – Υπερκινητικότητα*. Αθήνα : Ελληνικά Γράμματα.
- ❖ Καλαντζή – Αζίζι Α. & Καραδήμας Ε., (2004). *Διάσπαση προσοχής και αδυναμία ελέγχου των παρορμήσεων : από τον απρόσεκτο μαθητή ως τη διαταραχή ελλειμματικής προσοχής – υπερκινητικότητα*. Αθήνα: Ελληνικά Γράμματα.
- ❖ Κουμούλα Α., (2012). Η εξέλιξη της διαταραχής ελλειμματικής προσοχής – υπερκινητικότητας (ΔΕΠ-Υ) στο χρόνο. *Ψυχιατρική I*(23), 49-59.
- ❖ Μανιαδάκη Κ. & Κάκουρος Ε. (2002). Μετάφραση και προσαρμογή της «κλίμακας αξιολόγησης της ΔΕΠ-Υ» (ADHDT:Gilliam, 1995), Αθήνα : Ελληνικά Γράμματα
- ❖ Siegler, R.S. (2006). Πως σκέφτονται τα παιδιά. Μτφρ. Κουλεντιάνου, Z. Αθήνα: Gutenberg.
- ❖ Τζουριάδου Μ. (2011). *Παιδιά με ειδικές εκπαιδευτικές ανάγκες. Μία ψυχοπαιδαγωγική προσέγγιση*. Θεσσαλονίκη: Προμηθεύς.

- ❖ Siegler, R.S. (2006). Πως σκέφτονται τα παιδιά. Μτφρ. Κουλεντιάνου, Ζ. Αθήνα: Gutenberg.
- ❖ Wilmshurst L., (2011). Νοητικές και αναπτυξιακές αναπηρίες και διάχυτες αναπτυξιακές διαταραχές: Μια εισαγωγή. Στο Η. Γ. Μπεζεβέγκης (Επιμ.), *Εξελικτική Ψυχοπαθολογία. Μια αναπτυξιακή προσέγγιση*. (σσ. 511- 578). Αθήνα: Gutenberg.
- ❖ Χατζησαββίδης Σ., (2012). *Νεοελληνική Γραμματική: Θεωρητικές βάσεις και περιγραφή*. Θεσσαλονίκη: Βάνιας.

Ξενόγλωσση :

- ❖ American Psychiatric Assosiation (2013). *Diagnostic and statistical manual of mental disorders – 5th edition*, Washington, DC:Author.
- ❖ Agapitou P. & Andreou G. (2008). Language deficits in ADHD preschoolers. *Australian Journal of Learning difficulties*, 13(1), 39-49.
- ❖ Baker L. & Cantwell D.P (1987). A prospective psychiatric follow-up of children with speech/language disorders. *Journal of the American academy of child and adolescent psychiatry*, 26(4), 546-553.
- ❖ Barkley R.A (2006). *Attention deficit hyperactivity disorder: A clinical workbook*. New York: Guilford.
- ❖ Binet A. & Simon T.H. (1905). *The development of intelligence in children*. Publ. of the Training School at Vineland:New Jersey.
- ❖ Brossard-Racine, M. (2011). Handwriting capacity in children newly diagnosed with Attention Deficit Hyperactivity Disorder. *Research in Developmental Disabilities*, 32, 2927-2934. doi: <https://doi.org/10.1016/j.ridd.2011.05.010>
- ❖ Brown, C. (2014). Improving fine motor skills in young children: an intervention study. *Educational Psychology in Practice: theory, research and*

practice in phyiology, 26(3), 269-278. doi:

<https://doi.org/10.1080/02667363.2010.495213>

- ❖ Bush, G., Valera, E. M., & Seidman, L. J. (2005). Functional neuroimaging of attention-deficit/hyperactivity disorder: a review and suggested future directions. *Biological psychiatry*, 57(11), 1273-1284.
- ❖ Chang, C. L., & Lee, R. C. T. (2014). *Symbolic logic and mechanical theorem proving*. Academic press.
- ❖ Cho, H., Ji, S., Chung, S., Kim, M., & Joung, Y. S. (2014). Motor function in school-aged children with attention-deficit/hyperactivity disorder in Korea. *Psychiatry investigation*, 11(3), 223-227. doi: <https://doi.org/10.4306/pi.2014.11.3.223>
- ❖ Cohen, N., Davine, M., Horodezsky, N., Lipsett, L., & Isaacson, L. (1993). Unsuspected language impairment in psychiatrically disturbed children: Prevalence and language and behavioural characteristics. *Journal of the American Academy of Child and Adolescent Psychiatry*, 32, 595-603.
- ❖ Cole M. & Cole S.R (2011). *H ανάπτυξη των παιδιών*. Αθήνα:Τυπωθήτω-Γ.Δαρδανός.
- ❖ Constantino, J. N., & Todd, R. D. (2005). Intergenerational transmission of subthreshold autistic traits in the general population. *Biological psychiatry*, 57(6), 655-660.
- ❖ Courchesne, E. (2004). Brain development in autism: early overgrowth followed by premature arrest of growth. *Mental retardation and developmental disabilities research reviews*, 10(2), 106-111.
- ❖ Dinehart, L. H. (2015). Handwriting in early childhood education: Current research and future implications. *Journal of Early Childhood Literacy*, 15(1), 97-118.
- ❖ Dinehart, L., & Manfra, L. (2013). Associations between low-income children's fine motor skills in preschool and academic performance in second grade. *Early Education & Development*, 24(2), 138-161.

- ❖ Dupaul G.J, Barkley R.A, McMurray M.B., (1990). Comprehensive evaluation of Attention deficit disorder with and without hyperactivity as defined by research criteria. *Journal of Consultant Clinic Psychology*, 58(6), 775-789.
- ❖ DuPaul, G. J., Power, T. J., Anastopoulos, A. D., & Reid, R. (1998). *ADHD rating Scale-IV: Checklists, norms, and clinical interpretation*. New York:Guilford.
- ❖ Fenollar-Cortes J., Gallego – Martinez A., Fuentes L.J (2017). The role of innatention and hyperactivity/ impulsivity in the fine motor coordination in children with ADHD. *Journal of research in developmental disabilities*, 69, 77-84. doi: <https://doi.org/10.1016/j.ridd.2017.08.003>
- ❖ Flapper, B. C., Houwen, S., & Schoemaker, M. M. (2006). Fine motor skills and effects of methylphenidate in children with attention-deficit–hyperactivity disorder and developmental coordination disorder. *Developmental medicine and child neurology*, 48(3), 165-169.
- ❖ Fliers E.A, Franke B., Lambregts-Rommelse N.N.J, Altink M.E, Buschgens C.J.M, Nijhuis-van der Sanden M.W.G, Sergeant J.A, Faraone S.V, Buitelaar J.K (2010). Undertreatment of Motor Problems in Children with ADHD. *Journal of Child and Adolescent Mental Health*, 15(2), 85-90. doi: <https://doi.org/10.1111/j.1475-3588.2009.0>
- ❖ Goodlin-Jones, B. L., Sitnick, S. L., Tang, K., Liu, J., & Anders, T. F. (2008). The Children's Sleep Habits Questionnaire in toddlers and preschool children. *Journal of Developmental & Behavioral Pediatrics*, 29(2), 82-88.
- ❖ Hartley, S. L., Sikora, D. M., & McCoy, R. (2008). Prevalence and risk factors of maladaptive behaviour in young children with autistic disorder. *Journal of Intellectual Disability Research*, 52(10), 819-829.
- ❖ Hartsough, C. S., & Lambert, N. M. (1985). Medical factors in hyperactive and normal children: Prenatal, developmental, and health history findings. *American Journal of Orthopsychiatry*, 55(2), 190-201.
- ❖ Harvey, S., & Goudvis, A. (2007). *Strategies that work: Teaching comprehension for understanding and engagement*. Stenhouse Publishers.

- ❖ Herbert, M. (1998). Clinical Child Psychology. Social Learning, Development and Behaviour, 2nd edn. Chichester: Wiley (414 pp). *Clinical Psychology & Psychotherapy: An International Journal of Theory & Practice*, 6(5), 415-415.
- ❖ Hirshfeld-Becker, D. R., & Biederman, J. (2002). Rationale and principles for early intervention with young children at risk for anxiety disorders. *Clinical child and family psychology review*, 5(3), 161-172.
- ❖ Hotham E., Haberfield M., Hillier S., White J.M., Todd G., (2017). Upper limb fiction in children with attention-deficit/hyperactivity disorder (ADHD). *Journal of Neural Transmission*, doi: <https://doi.org/10.1007/s00702-017-1822-8>
- ❖ Jaspers M., Winter A.F., Buitelaar J.K, Verhulst F.C., Reijneveld S.A., Hartman C.A, (2013). Early childhood assessments of community pediatric professionals predict autism spectrum and attention deficit hyperactivity problems. *Journal of Abnormal child psychology* 41, 71-81. doi: <https://doi.org/10.1007/s10802-012-9653-4>
- ❖ Jucaite, A., Fernell, E., Forssberg, H., & Hadders-Algra, M. (2003). Deficient coordination of associated postural adjustments during a lifting task in children with neurodevelopmental disorders. *Developmental Medicine and Child Neurology*, 45(11), 731-742.
- ❖ Kalff, J. C., Türler, A., Schwarz, N. T., Schraut, W. H., Lee, K. K., Twardy, D. J., ... & Bauer, A. J. (2003). Intra-abdominal activation of a local inflammatory response within the human muscularis externa during laparotomy. *Annals of surgery*, 237(3), 301.
- ❖ Kanehisa, M., Goto, S., Hattori, M., Aoki-Kinoshita, K. F., Itoh, M., Kawashima, S., ... & Hirakawa, M. (2006). From genomics to chemical genomics: new developments in KEGG. *Nucleic acids research*, 34(suppl_1), D354-D357.
- ❖ Kampas A. & Venetsanou F., (2015). The democritos movement screening tool for preschool children (Demost-pre): developmental and functional

validity. *Research in Developmental disabilities*, 35, 1528-1533. doi : <https://doi.org/10.1097/PEP.0000000000000206>

- ❖ Karatekin, G., Kutan, A. F., & Nuhoglu, A. (2002). Catch-up growth in fetal malnourished term infants. *Journal of perinatal medicine*, 30(5), 411-415.
- ❖ Kolevzon, A., Gross, R., & Reichenberg, A. (2007). Prenatal and perinatal risk factors for autism: a review and integration of findings. *Archives of pediatrics & adolescent medicine*, 161(4), 326-333.
- ❖ 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(2), 382-390.
- ❖ Larkin, D., & Hoare, D. (1992). The movement approach: A window to understanding the clumsy child. *Approaches to the study of motor control and learning*, 84, 413-439.
- ❖ Lawrence, E. J., Shaw, P., Baker, D., Baron-Cohen, S., & David, A. S. (2004). Measuring empathy: reliability and validity of the Empathy Quotient. *Psychological medicine*, 34(5), 911-920.
- ❖ Levin, A. R., Zeanah Jr, C. H., Fox, N. A., & Nelson, C. A. (2014). Motor outcomes in children exposed to early psychosocial deprivation. *The Journal of pediatrics*, 164(1), 123-129.
- ❖ Licari M. & Larkin D. (2008). Increased associated movements : influence of attention deficits and movement difficulties. *Journal of Human movement science* 27, 310-324. doi : <https://doi.org/10.1016/j.humov.2008.02.013>
- ❖ Lin, S. I., Woollacott, M. H., & Jensen, J. L. (2004). Postural response in older adults with different levels of functional balance capacity. *Aging clinical and experimental research*, 16(5), 369-374.
- ❖ Loe, I. M., & Feldman, H. M. (2007). Academic and educational outcomes of children with ADHD. *Journal of pediatric psychology*, 32(6), 643-654.
- ❖ Logan, S. W., Robinson, L. E., Wilson, A. E., & Lucas, W. A. (2012). Getting the fundamentals of movement: a meta-analysis of the effectiveness of motor

- skill interventions in children. *Child: care, health and development*, 38(3), 305-315
- ❖ Maniadaki, K., Sonuga-Barke, E., Kakouros, E., & Karaba, R. (2007). Parental beliefs about the nature of ADHD behaviours and their relationship to referral intentions in preschool children. *Child: care, health and development*, 33(2), 188-195.
 - ❖ Mao, H.Y, Kuo, L.C, Yang, L.A., & Su, C.T (2014). Balance in children with attention deficit hyperactivity disorder-combined type. *Journal of research of developmental disabilities*, 35, 1252-1258. doi: <https://doi.org/10.1016/j.ridd.2014.03.020>
 - ❖ Mathers, M.E, (2006). *Aspects of language in children with ADHD and in children with reading disorder*. *Journal of research of developmental disabilities* 20, 581-589. doi:<https://doi.org/10.1177/1087054712461530>
 - ❖ Maurer, B. A. (1999). *Untangling ecological complexity: the macroscopic perspective*. University of Chicago Press.
 - ❖ Meyer, A., & Sagvolden, T. (2006). Fine motor skills in South African children with symptoms of ADHD: influence of subtype, gender, age, and hand dominance. *Behavioral and Brain Functions*, 2(1), 33.
 - ❖ Mouridsen, S. E., Rich, B., & Isager, T. (2008). Psychiatric disorders in adults diagnosed as children with atypical autism. A case control study. *Journal of neural transmission*, 115(1), 135-138.
 - ❖ Niklasson M., Niklasson I. & Norlander T., (2009). Sensorimotor therapy: using stereotypic movements and vestibular stimulation to increase sensorimotor proficiency of children with attentional and motor difficulties. *Journal of perceptual and motor skills*, 108, 643-669. doi: <https://doi.org/10.2466/PMS.108.3.643-669>
 - ❖ Noda, W., Ito, H., Fujita, C., Ohnishi, M., Takayanagi, N., Someki, F., ... & Tsujii, M. (2013). Examining the relationships between attention deficit/hyperactivity disorder and developmental coordination disorder

symptoms, and writing performance in Japanese second grade students. *Research in developmental disabilities*, 34(9), 2909-2916.

- ❖ Ozonoff, S., Iosif, A. M., Baguio, F., Cook, I. C., Hill, M. M., Hutman, T., ... & Steinfeld, M. B. (2010). A prospective study of the emergence of early behavioral signs of autism. *Journal of the American Academy of Child & Adolescent Psychiatry*, 49(3), 256-266.
- ❖ Palacio S.G, Oliveira G.A. & Martins Arneiro R.F, (2016). Assessment of motor skills and school performance in children diagnosed with attention deficit hyperactivity disorder. *Motriz, Rio Caro*, 22, 243-248. doi: 10.1590/S1980-6574201600040004
- ❖ Pan, C. Y., Tsai, C. L., Chu, C. H., Sung, M. C., Huang, C. Y., & Ma, W. Y. (2015). Effects of physical exercise intervention on motor skills and executive functions in children with ADHD: A pilot study. *Journal of attention disorders*, doi: 1087054715569282.
- ❖ Pereira, G., Tanaka, T. U., Nasmyth, K., & Schiebel, E. (2001). Modes of spindle pole body inheritance and segregation of the Bfa1p–Bub2p checkpoint protein complex. *The EMBO journal*, 20(22), 6359-6370.
- ❖ Piek, J. P., Pitcher, T. M., & Hay, D. A. (1999). Motor coordination and kinaesthesia in boys with attention deficit-hyperactivity disorder. *Developmental Medicine and Child Neurology*, 41(3), 159-165.
- ❖ Pineda D., Ardila A. & Rosseli M. (1999). Neuropsychological & behavioral assessment of ADHD in 7-12 year old children: a discriminant analysis. *Journal of learning disabilities*, 32(2), 159-173. doi: <https://doi.org/10.1177/002221949903200206>
- ❖ Pitcher, T. M., Piek, J. P., & Hay, D. A. (2003). Fine and gross motor ability in males with ADHD. *Developmental medicine and child neurology*, 45(8), 525-535.
- ❖ Piven, F. F. (2002). Discipline and Seduction: The Campaign to Regulate American Workers. *WorkingUSA*, 6(3), 8-17.

- ❖ Ploeger, A., Raijmakers, M. E., van der Maas, H. L., & Galis, F. (2010). The association between autism and errors in early embryogenesis: what is the causal mechanism?. *Biological psychiatry*, 67(7), 602-607.
- ❖ Pourcain, B. S., Mandy, W. P., Heron, J., Golding, J., Smith, G. D., & Skuse, D. H. (2011). Links between co-occurring social-communication and hyperactive-inattentive trait trajectories. *Journal of the American Academy of Child & Adolescent Psychiatry*, 50(9), 892-902.
- ❖ Reiersen, A. M., Constantino, J. N., Volk, H. E., & Todd, R. D. (2007). Autistic traits in a population-based ADHD twin sample. *Journal of Child Psychology and Psychiatry*, 48(5), 464-472.
- ❖ Rommelse, N. N., Oosterlaan, J., Buitelaar, J., Faraone, S. V., & Sergeant, J. A. (2007). Time reproduction in children with ADHD and their nonaffected siblings. *Journal of the American Academy of Child & Adolescent Psychiatry*, 46(5), 582-590.
- ❖ Rommelse, N. N., Geurts, H. M., Franke, B., Buitelaar, J. K., & Hartman, C. A. (2011). A review on cognitive and brain endophenotypes that may be common in autism spectrum disorder and attention-deficit/hyperactivity disorder and facilitate the search for pleiotropic genes. *Neuroscience & Biobehavioral Reviews*, 35(6), 1363-1396.
- ❖ Rosenblum S., Frisch C., Deutch-Castel T. & Josman N. (2015). Daily functioning profile of children with attention hyperactivity disorder: a pilot study using an ecological assessment. *Journal of psychological rehabilitation*, 25, 402-418. doi : <https://doi.org/10.1080/09602011.2014.940980>
- ❖ Rogers, S. J., & Vismara, L. A. (2008). Evidence-based comprehensive treatments for early autism. *Journal of Clinical Child & Adolescent Psychology*, 37(1), 8-38.
- ❖ Rucklidge, J. J. (2010). Gender differences in attention-deficit/hyperactivity disorder. *Psychiatric Clinics*, 33(2), 357-373.
- ❖ Rudel, R. G., Denckla, M. B., & Broman, M. (1978). Rapid silent response to repeated target symbols by dyslexic and nondyslexic children. *Brain and language*, 6(1), 52-62.

- ❖ Ruff, R. M. (1994). What role does depression play on the performance of the Ruff 2 and 7 Selective Attention Test?. *Perceptual and motor skills*, 78(1), 63-66.
- ❖ Sagvolden, T., Johansen, E. B., Aase, H., & Russell, V. A. (2005). A dynamic developmental theory of attention-deficit/hyperactivity disorder (ADHD) predominantly hyperactive/impulsive and combined subtypes. *Behavioral and Brain Sciences*, 28(3), 397-418.
- ❖ Scharoun, S.M. et al. (2013). Motor skills in Czech children with attention-deficit/ hyperactivity disorder and their neurotypical counterparts. *Research in Developmental Disabilities*, 34, 4142-4153. doi: <https://doi.org/10.1016/j.ridd.2013.08.011>
- ❖ Simonoff, E., Pickles, A., Charman, T., Chandler, S., Loucas, T., & Baird, G. (2008). Psychiatric disorders in children with autism spectrum disorders: prevalence, comorbidity, and associated factors in a population-derived sample. *Journal of the American Academy of Child & Adolescent Psychiatry*, 47(8), 921-929.
- ❖ Shumway-Cook, A., & Woollacott, M. H. (2007). *Motor control: translating research into clinical practice*. Lippincott Williams & Wilkins.
- ❖ Smidts, D. P., & Oosterlaan, J. (2007). How common are symptoms of ADHD in typically developing preschoolers? A study on prevalence rates and prenatal/demographic risk factors. *Cortex*, 43(6), 710-717.
- ❖ Thapar, A., Harrington, R., & McGuffin, P. (2001). Examining the comorbidity of ADHD-related behaviours and conduct problems using a twin study design. *The British Journal of Psychiatry*, 179(3), 224-229.
- ❖ Tseng, A. A. (2004). Recent developments in micromilling using focused ion beam technology. *Journal of Micromechanics and Microengineering*, 14(4), R15.
- ❖ Verret, C., Guay, M. C., Berthiaume, C., Gardiner, P., & Bélineau, L. (2012). A physical activity program improves behavior and cognitive functions in children with ADHD: an exploratory study. *Journal of attention disorders*, 16(1), 71-80.

- ❖ Visser, W., Havelund, K., Brat, G., Park, S., & Lerda, F. (2003). Model checking programs. *Automated software engineering*, 10(2), 203-232.
- ❖ Werner, E., & Dawson, G. (2005). Validation of the phenomenon of autistic regression using home videotapes. *Archives of general psychiatry*, 62(8), 889-895.
- ❖ Westendorp, M., Hartman, E., Houwen, S., Smith, J., & Visscher, C. (2011). The relationship between gross motor skills and academic achievement in children with learning disabilities. *Research in developmental disabilities*, 32(6), 2773-2779.
- ❖ Ziereis, S & Jansen, P. (2014). Effects of physical activity on executive function and motor performance in children with ADHD. *Research in Developmental Disabilities*, 38, 181- 191. doi:<https://doi.org/10.1016/j.ridd.2014.12.005>
- ❖ Zwaigenbaum, L., Bryson, S., Lord, C., Rogers, S., Carter, A., Carver, L., ... & Fein, D. (2009). Clinical assessment and management of toddlers with suspected autism spectrum disorder: insights from studies of high-risk infants. *Pediatrics*, 123(5), 1383-1391.