



Journal of Applied Family Therapy



Iranian Association of Women's Studies

The Comparison of the Effectiveness of Cognitive-Behavioral Therapy with Emotional Intelligence Training on Social Adjustment in Adolescents with Conduct Disorder

Adel Amirkhanloo^{id1}

Yarali Doosti^{id2*}

Reza Donyavi^{id3}

1. PhD student, Educational Psychology, Sari Branch, Islamic Azad University, Sari, Iran

2. * Corresponding author: Assistant Professor, Department of Psychology, Sari Branch, Islamic Azad University, Sari, Iran

3. Assistant Professor, Department of Psychology, Neka Branch, Islamic Azad University, Neka, Iran

Email:

dousti@iausari.ac.ir

Received: 15.05.2022

Acceptance: 12.12.2022

Journal of
Applied Family Therapy

eISSN: 2717-2430
<http://Aftj.ir>

Vol. 3, No. 4, Pp: 217-242
Winter 2023

Original research article

How to Cite This Article:

Amirkhanloo, A., Doosti, Y., & Donyavi, R. (2023). The Comparison of the Effectiveness of Cognitive-Behavioral Therapy with Emotional Intelligence Training on Social Adjustment in Adolescents with Conduct Disorder. *aftj*, 3(4): 217-242.



© 2023 by the authors. Licensee Iranian Association of Women's Studies, Tehran, Iran. This article is an open access article distributed under the terms and conditions of the Creative Commons Attribution-NonCommercial 4.0 International (CC BY-NC 4.0 license) (<http://creativecommons.org/licenses/by-nc/4.0/>)

Abstract

Aim: This study was performed to compare the effectiveness of cognitive-behavioral therapy with emotional intelligence training on social adjustment of adolescents with conduct disorder. **Method:** The present research method was quasi-experimental with pre-test and post-test design with control group (two experimental groups and one control group). The statistical population of the study consisted of all adolescents with conduct disorder who are present in the Tehran Correctional Center in 1398. Samples were screened from subjects with conduct disorder, 45 adolescents were randomly divided into three groups (two experimental groups and one control group of 15 people in each group). Sampling was done purposefully in the selection stage of the subjects and randomly in the replacement stage in the experimental and control groups. The data collection tool in this study was the California Social Adjustment Questionnaire (1953). Multivariate covariance (MANCOVA) test was used to analyze the data. **Results:** The results showed that cognitive-behavioral therapy and emotional intelligence training are effective in increasing social adjustment of adolescents with conduct disorder ($P<0.001$). Also, comparison of the two experimental groups showed that cognitive-behavioral therapy has a greater effect on increasing adolescent social adjustment ($P<0.001$). **Conclusion:** It can be concluded that cognitive-behavioral therapy and emotional intelligence training are effective in increasing social adjustment of adolescents with conduct disorder.

Keywords: Cognitive-behavioral therapy, Emotional intelligence training, Social adjustment, Behavior disorder.

References

- Ahmadi, A.H., Bahrami, M., Nasiri, A., & Salehi, F. (2015). The effectiveness of life skills training on depression, anxiety, and psychological stress in students with behavioral disorders, the second national conference on sustainable development in educational sciences and psychology, social and cultural studies, Tehran, Soroush Hikmat Mortazavi Islamic Studies and Research Center, Institute of Higher Education Mehr Arvand, Center for sustainable development solutions.
- Akbarzadeh, N. (2004). Emotional Intelligence - the view of Salvi et al., Tehran: Farabi Publications.
- Alavi, M., Karmi, H., & Hashemi, S. (2018). "Sociology of Education", 7: 198-213.
- Alipour, A., Asami, Z., & Hosseini Yazdi, S. A. (2014). Comparing the effectiveness of three neurofeedback intervention methods, parental behavior management training and combined therapy in reducing children's behavior disorder symptoms. Quarterly Journal of Applied Psychology, 8(32) 79-94.
- Amiri, H., & Afsharinia, K. (2011). A comparative study of cognitive, social and self-esteem characteristics of adolescents with conduct disorder and normal behavior, regional conference on child and adolescent psychology, Kermanshah, Islamic Azad University, Kermanshah branch.
- Asemi, Z., & Hosseini Yazdi, S. A. (2014). Comparing the effectiveness of neurofeedback intervention method with group training of parent behavior management in reducing behavior disorder symptoms of children aged 8-21 years, the second national research and treatment conference in clinical psychology, Torbat Jam, Islamic Azad University, Torbat Jam branch.
- Azargun, M., & Pourian, A. (2018). Investigating the relationship between parenting styles and resilience and comparing it in children with and without conduct disorder, National Psychology and Health Conference focusing on family and healthy life, Shiraz, Faculty of Educational Sciences and Psychology, Shiraz University.
- Azizi, M., Timuri, S., Rajaei, A. R., & Mubasher, F. (2014). The effectiveness of cognitive behavioral therapy on reducing symptoms and improving social adjustment in conduct disorder, the second national conference on research and treatment in clinical psychology, Torbat Jam, Islamic Azad University, Torbat Jam branch.
- Crask, Michelle. J. (2014). Translated by Ali Nilufri and Leila Abdullah Puri: Arjmand Publications.
- Craske, M. G. & Glover, D. & DeCola, J. (1995). Predicted versus unpredicted panic attacks: Acute versus general distress. *Journal of Abnormal Psychology*, 104(1), 214.
- Decety, J. & Yoder, K. J. & Lahey, B. B. (2015). Sex differences in abnormal white matter development associated with conduct disorder in children. *Psychiatry Research: Neuroimaging*, 233(2), 269-277.
- Dodge, K. A. (1985). Attributional bias in aggressive children .
- Dow, M. G. & Rich, A. (2001). Social competence .

- Edmond, C. & Conger, J. (2006). A review of treatment efficacy for individuals with anger problems: conceptual, assessment and methodological issues. *Clinical Psychology Review*, 16, 251-75.
- Eelen, P. & Vervliet, B. (2006). Fear conditioning and clinical implications: what can we learn from the past? .
- Emmerling, R. J. & Goleman, D. (2003). Emotional intelligence: Issues and common misunderstandings. *Issues and Recent Developments in Emotional Intelligence*, 1(1), 1-32 .
- Ewen, R. (2008). Theories of personality (3d ed.). Hillsdale, New Jersey: Lawrence Erlbaum Associates, Publishers .
- Fatemi, S. M. (2006). "Emotional Intelligence", Tehran: Sargol.
- Fazio, R. H., Chen, J. M., McDonel, E. C., & Sherman, S. J. (1982). Attitude accessibility, attitude-behavior consistency, and the strength of the object-evaluation association. *Journal of experimental social psychology*, 18(4), 339-357 .
- Frederickson, N. L. & Furnham, A. F. (2004). Peer-assessed behavioural characteristics and sociometric rejection: Differences between pupils who have moderate learning difficulties and their mainstream peers. *British Journal of Educational Psychology*, 74(3), 391-410 .
- Frick, P. J., Lahey, B. B., Loeber, R., Tannenbaum, L., Van Horn, Y., Christ, M. A. G., . . . & Hanson, K. (1993). Oppositional defiant disorder and conduct disorder: A meta-analytic review of factor analyses and cross-validation in a clinic sample. *Clinical Psychology Review*, 13(4), 319-340 .
- Gian Bagheri, M., Bagheri, A., Faridi, R., & Mahmoudi, F. (2017). The causes of prevention and treatment of behavior disorder in working children and adolescents, the first national conference of social sciences, educational sciences, psychology and social security, Tehran, Al-Taha University - social assistance and crime prevention, justice of Alborz province.
- Goleman, D., Boyatzis, R. E., & McKee, A. (2002). The new leaders: Transforming the art of leadership into the science of results .
- Gooderzi, M. A., Hashemi, R., & Taghavi, M.R. (2018). The effect of Barclay's parental behavior training program for mothers on reducing the behavioral problems of elementary school children with conduct disorder. *Knowledge and research in applied psychology*, 19 (1): 1-9.
- Greenwald, R. (2012). The role of trauma in conduct Disorder. *J of Aggress, Maltreat & trauma*, 6(1): 5-23 .
- Gross, J. J. (2001). Emotion regulation in adulthood: Timing is everything. *Current directions in psychological science*, 10(6), 214-219 .
- Gross, J. J. & Levenson, R. W. (1997). Hiding feelings: the acute effects of inhibiting negative and positive emotion. *Journal of abnormal psychology*, 106(1), 95 .
- Guralnick, M. J. (1989). Social Competence as a future direction for early intervention programmes. *Journal of Mental Deficiency Research* .
- Guralnick, M. J. & Neville, B. (1997). Designing early intervention programs to promote children's social competence. *The effectiveness of early intervention*, 579, 610 .
- Hall, K. R. L. & Stride, E. (1954). Some factors affecting reaction times to auditory stimuli in mental patients. *Journal of Mental Science*, 100(419), 462-477 .
- Henggeler, S. W. & Sheidow, A. J. (2003). Conduct disorder and delinquency. *Journal of Marital and Family Therapy*, 29(4), 505-522 .
- Jones, M. C. (1924). The elimination of children's fears. *Journal of Experimental Psychology*, 7(5), 382-390 .

- Kamel Qalibaf, A., Kamel Qalibaf, A., Karimi, H., Rostgar Moghadam, N., & Bahaddin Beigi, K. (2015). Examining satisfaction and efficiency in remote psychotherapy: from the perspective of the patient and the therapist., *Health Management*.
- Kaplan, H. I. & Sadock, B. J. (1998). Synopsis of psychiatry: Behavioral sciences clinical psychiatry. [H Rafiee, F Rezaee, M Samyee, Persian trans.]. *Tehran: Arjmand Publications*.
- Kashkooly, Gh. (2000). The investigation of the epidemiology of conduct disorder in primary students in Booshehr city. *Tehran: Tehran University, Psychological Institution*, 31.
- Kazdin, A. E. (1992). Overt and covert antisocial behavior: Child and family characteristics among psychiatric inpatient children. *Journal of Child and Family Studies*, 1(1), 3-20.
- Keiley, M. K. (2002). Attachment and affect regulation: A framework for family treatment of conduct disorder. *Family Process*, 41(3), 477-493.
- Khanjani, Z. (2009). Investigating the relationship between daily temporary separations and maternal symptoms of attachment formation and the occurrence of social-behavioral problems at the preschool level - unpublished doctoral thesis, University of Tehran, Faculty of Psychology and Educational Sciences.
- Khodaman, A.R., Shahreh Dalki, A.R. Darudchi, & Vali Yi, M. (2017). The effect of genetic and environmental factors on the development of conduct disorder in criminals under 18 years of age, the 6th National Conference on Medicine and Justice, Qom, Iran's Forensic Medicine Organization.
- Lahey, B. B. & Miller, T. L. & Gordon, R. A. & Riley, A. W. (1999). Developmental epidemiology of the disruptive behavior disorders. In *Handbook of disruptive behavior disorders* (pp. 23-48). Springer, Boston, MA.
- Leuner, B. (1966). Emotional intelligence and emancipation. A psychodynamic study on women. *Praxis der kinderpsychologie und kinderpsychiatrie*, 15(6), 196.
- Loeber, R. & Lahey, B. B. & Thomas, C. (1991). Diagnostic conundrum of oppositional defiant disorder and conduct disorder. *Journal of abnormal psychology*, 100(3), 379.
- Matthews, G. & Deary, I. J. & Whiteman, M. C. (2003). *Personality traits*. Cambridge University Press.
- Mayer, J. D. & Salovey, P. (2007). *Mayer-Salovey-Caruso emotional intelligence test*. Toronto: Multi-Health Systems Incorporated.
- Mayer, J. D. & Caruso, D. R. & Salovey, P. (1999). Emotional intelligence meets traditional standards for an intelligence. *Intelligence*, 27(4), 267-298.
- McFall, R. M. (1982). A review and reformulation of the concept of social skills. *Behavioral assessment*.
- McMahon, R. J. & Estes, A. M. (1997). Assessment of childhood disorders.
- Millanifar, B. (1999). The psychology of disabled children and juveniles. *Tehran: Qomus*, 124.
- Minai, A. (2003). Standardization of the Achenbach system of empirically based evaluation, Tehran: Publications of Organization for the Education of Exceptional Children.
- Mohammad Hasani, S., Dakhi, M., & Badri, F. (2015). Conduct disorder: looking at therapeutic approaches, International Conference on Psychology and Culture of Life, Istanbul, Mobin Cultural Ambassadors Institute.
- Morrel, T. M. & Elliott, J. D. & Murphy, C. M. (2003). Cognitive behavioral and supportive group treatments for partner-violent men. *Behavior Therapy*, 34, 1, 77.
- Mowrer, O. (1960). Learning theory and behavior.

- Murphy, K. R. (Ed.). (2014). A critique of emotional intelligence: What are the problems and how can they be fixed?. Psychology Press .
- Nader Mohammadi, M., & Dehghani, G.A. (2017). Investigating the prevalence of conduct disorder and its related factors among students (case study: high schools of Nemin city), the fourth national conference of knowledge and technology of educational sciences, social studies and psychology of Iran, Tehran, the organization of conferences on the development of knowledge and Iranian SAM technology.
- Naderi, F., Pasha, G.R., & Makvandi, F. (2014). "The effect of social skills training on individual social adjustment, aggression and self-expression of high school girls at risk in Ahvaz", *Knowledge and Research Quarterly in Applied Psychology*. 9 (33): 37-62.
- Naserinia, S., Sohrabi Fard, M. M., Hatami, M., & Samadifar, A. (2018). "Effectiveness of emotional process regulation strategy training in controlling anger and reducing impulsivity of adolescents with conduct disorder". *Journal of Movement and Behavioral Sciences*. 1 (2): 176-190.
- Nasiri, Z., & Bahramipour; M. (2017). The relationship between warm executive functions and externalized behaviors in students with conduct disorder, 4th International Conference of New Horizons in Educational Sciences, Psychology and Social Injuries, Tehran, New Horizons Science and Technology Association.
- Pavlov, I. P. (1927). Conditional reflexes: an investigation of the physiological activity of the cerebral cortex .
- Petrides, K. V. , Frederickson, N. , & Furnham, A. (2004). The role of trait emotional intelligence in academic performance and deviant behavior at school. *Personality and individual differences*, 36(2), 277-293 .
- Pettit, G. S. , & Dodge, K. A. (2003). Violent children: Bridging development, intervention, and public policy .
- Petty, C. R. , Rosenbaum, J. F. , Hirshfeld-Becker, D. R. , Henin, A. , Hubley, S. , LaCasse, S. , . . . & Biederman, J. (2008). The child behavior checklist broad-band scales predict subsequent psychopathology: A 5-year follow-up. *Journal of anxiety disorders*, 22(3), 532-539 .
- Quist, M. C. , & Hubert, W. A. (2004). Bioinvasive species and the preservation of cutthroat trout in the western United States: ecological, social, and economic issues. *Environmental Science & Policy*, 7(4), 303-313 .
- Rachman, S. J. , & Wilson, G. T. (2013). The Effects of Psychological Therapy: International Series in Experimental Psychology (Vol. 24). Elsevier .
- Raino, S. S. (2008). Factor structure on social competence based upon the perceptions of school psychologists. Northern Arizona University .
- Raver, C. C. , & Zigler, E. F. (1997). Social competence: An untapped dimension in evaluating Head Start's success. *Early childhood research quarterly*, 12(4), 363-385 .
- Richardson, J. & Jougin C. (2002). Parent-training Programmes for the management of young children with conduct disorders. Printed in Britian by Cromwell Press Ltd, trowbridge,UK .
- Riggio, R. E. , & Lee, J. (2007). Emotional and interpersonal competencies and leader development. *Human Resource Management Review*, 17(4), 418-426 .
- Rose-Krasnor, L. (1997). The nature of social competence: A theoretical review. *Social development*, 6(1), 111-135 .
- Roth, A. , & Fonagy, P. (2006). What works for whom?: a critical review of psychotherapy research. Guilford Press .
- Sadock, B. J. (2003). Kaplan & Sadock's Synopsis of Psychiatry (pp. 898). Philadelphia .

- Sadock, B. J., Sadock, V. A., & Kaplan, H. I. (2009). *Kaplan and Sadock's concise textbook of child and adolescent psychiatry*. Lippincott Williams & Wilkins.
- Salmanian, M., Mohammadi, M. R., & Ghobari Bonab, b. (2016). Spiritual psychotherapy for adolescents with behavioral disorders: design and introduction of a treatment package, 10th Congress of Pioneers of Progress, Tehran, Iranian Center for Islamic Model of Progress.
- Salovey, P., & Mayer, J. D. (1990). Emotional intelligence. *Imagination, Cognition and Personality*, 9, 185–201.
- Salovey, P., Mayer, J. D., Goldman, S., Turvey, C., & Palfai, T. (1995). Emotional attention, clarity, and repair: Exploring emotional intelligence using the Trait Meta-Mood Scale (TMMS). In J. W. Pennebaker (Ed.), *Emotion, disclosure, and health*, 125–154. Washington, DC: American Psychological Association.
- Schutte, N. S., Malouff, J. M., Hall, L. E., Haggerty, D. J., Cooper, J. T., Golden, C. J., & Dornheim, L. (1998). Development and validation of a measure of emotional intelligence. *Personality and individual differences*, 25(2), 167-177.
- Sethi, A., Sarkar, S., Dell'Acqua, F., Viding, E., Catani, M., Murphy, D. G., & Craig, M. C. (2018). Anatomy of the dorsal default-mode network in conduct disorder: Association with callous-unemotional traits. *Developmental cognitive neuroscience*, 30, 87-92.
- Shahidi, S., & Mousavi, S. R. (2018). The role of behavior disorder in the incidence of juvenile delinquency, Tehran Correctional Center, the first national conference on the globalization of children's and juvenile rights from a legal and psychological perspective, Mashhad, Hakim Nizami Qochan Institute of Higher Education.
- Shakri Nasab, M., Ghale Navi, Z., & Meghdadi, S. (2018). The effectiveness of music therapy on the creativity and communication skills of students with behavioral disorders, the fifth national conference of modern researches in the field of educational sciences and psychology of Iran (with the approach of participatory culture), Tehran, Iran's participatory culture house.
- Shokri, Sh., & Karaskian, A. (2017). The effect of emotional regulation training on the reduction of behavior disorder symptoms in children, National Conference on Modern Researches of Iran and the World in Psychology, Educational Sciences and Social Studies, Shiraz, Islamic Azad University, Zarghan Branch - Shushtar University of Applied Sciences.
- Sjöberg, L. (2008). Emotional intelligence and life adjustment. In: Cassady JC, Eissa MA. *Emotional intelligence: perspectives on educational & positive psychology*. 1th ed. New York: Peter Lang Publishing. 169-184.
- Smith, S. W., & Travis, P. C. (2001). Conducting social competence research: Considering conceptual frameworks. *Behavioral Disorders*, 26(4), 360-369.
- Taheri, M. (2017). Comparison of executive functions and cognitive emotion regulation skills in adolescents with conduct disorder and normal, Monthly New Advances in Behavioral Sciences 2 (9).
- Tavakolizadeh, J., Mohammadzadeh Moghadam, H., Farqani, M., & Meshari, J. (2018). The effectiveness of cognitive behavioral play therapy on reducing the symptoms of conduct disorder in 8-12-year-old boys suffering from it in Mashhad correction and education center, the first national art and health conference, Neishabur, Neishabur University of Medical Sciences.
- Taylor, J. L. (2002). A review of the assessment and treatment of anger and aggression in offenders with intellectual disability. *Journal of Intellectual Disability Research*, 46, 1, 57-73.