

Stanford



Antonio Hardan, M.D.

Professor of Psychiatry and Behavioral Sciences

Psychiatry and Behavioral Sciences - Child & Adolescent Psychiatry and Child Development

CLINICAL OFFICES

- **Stanford Outpatient Psychiatry Clinic**

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- **Stanford Children's Health**

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Elizabeth Archibald

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Bio

CLINICAL FOCUS

- Child and Adolescent Psychiatry

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Psychiatry and Behavioral Sciences - Child & Adolescent Psychiatry and Child Development
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Director, Autism and Developmental Disabilities Clinic, (2006- present)
- Medical Director, Outpatient Program, Division of Child and Adolescent Psychiatry, (2011- present)
- Director, Division of Child and Adolescent Psychiatry, (2014- present)

PROFESSIONAL EDUCATION

- Internship: St Elizabeth Hospital (1991) DC
- Medical Education: St Joseph's University (1988) Lebanon
- Board Certification: Child and Adolescent Psychiatry, American Board of Psychiatry and Neurology (1997)
- Fellowship: University of Pittsburgh (1996) PA
- Board Certification: Psychiatry, American Board of Psychiatry and Neurology (1995)

- Residency: Strong Memorial Hospital (1993) NY

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

The neurobiology of autism

Neuroimaging in individuals with autism

Psychopharmacological treatment of children and adults with autism and/or developmental disorders

The neurobiology and innovative interventions of several neurogenic disorders including DiGeorge Syndrome (Velocardiofacial syndrome; 22q11.2 mutations), PTEN mutations, and Phelan McDermid Syndrome (22q13 mutations).

CLINICAL TRIALS

- A Center Based Early Intervention Program For Preschoolers With Developmental Disorders, Recruiting
- A Center Based Study of Pivotal Response Treatment for Preschoolers With Autism, Recruiting
- A Study of RG7314 to Investigate Efficacy and Safety in Individuals With Autism Spectrum Disorders (ASD), Recruiting
- Intranasal Vasopressin Treatment in Children With Autism, Recruiting
- Neuroimaging Predictors of Improvement to Pivotal Response Treatment (PRT) in Young Children With Autism, Recruiting
- Pilot Trial of Pregnenolone in Autism, Recruiting
- Trial of Center-Based vs. In-Home Pivotal Response Treatment (PRT) in Autism, Recruiting
- Trial of Zolpidem for Sleep in Children With Autism, Recruiting
- A Study of Esomeprazole in Children With Autism, Not Recruiting
- A Study of Esomeprazole in Children With Autism, Not Recruiting
- A Study of N-Acetyl Cysteine in Children With Autism, Not Recruiting
- A Study of Pregnenolone in the Treatment of Individuals With Autism, Not Recruiting
- An Evaluation of a Developmentally-Based Parent Training Program for Children With Autism, Not Recruiting
- An Open-Label Study of N-Acetyl Cysteine in Children With Autism, Not Recruiting
- Evaluating Parent Delivered Interventions for Children With Autism, Not Recruiting
- Intranasal Oxytocin Treatment for Social Deficits in Children With Autism, Not Recruiting
- Natural History Study of Individuals With Autism and Germline Heterozygous PTEN Mutations, Not Recruiting
- Pivotal Response Group Treatment for Parents of Young Children With Autism, Not Recruiting
- Pivotal Response Treatment for Individuals With Intellectual Disabilities, Not Recruiting
- Pivotal Response Treatment Package for Young Children With Autism, Not Recruiting
- Randomized Controlled Study of Donepezil in Fragile X Syndrome, Not Recruiting
- Study of Pharmacokinetics, Safety, Efficacy, and Tolerability of Memantine in Children With Autism, Not Recruiting
- The Role of Vasopressin in the Social Deficits of Autism, Not Recruiting
- Transcranial Magnetic Stimulation for Restricted and Repetitive Behavior in ASD, Not Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Lacey Chetcuti, Emily Ferguson

Publications

PUBLICATIONS

- **Characterizing subdomains of insistence on sameness in autistic youth.** *Autism research : official journal of the International Society for Autism Research*
Spackman, E., Smillie, L. D., Frazier, T. W., Hardan, A. Y., Uljarevic, M.
2023
- **Electronic health records identify timely trends in childhood mental health conditions.** *Child and adolescent psychiatry and mental health*
Elia, J., Pajer, K., Prasad, R., Pumariega, A., Maltenfort, M., Utidjian, L., Shenkman, E., Kelleher, K., Rao, S., Margolis, P. A., Christakis, D. A., Hardan, A. Y., Ballard, et al
2023; 17 (1): 107
- **Development of webcam-collected and artificial-intelligence-derived social and cognitive performance measures for neurodevelopmental genetic syndromes.** *American journal of medical genetics. Part C, Seminars in medical genetics*
Frazier, T. W., Busch, R. M., Klaas, P., Lachlan, K., Jeste, S., Kolevzon, A., Loth, E., Harris, J., Speer, L., Pepper, T., Anthony, K., J Michael, G., Delagrammatikas, et al
2023
- **Anxiety, concerns and COVID-19: Cross-country perspectives from families and individuals with neurodevelopmental conditions.** *Journal of global health*
Sideropoulos, V., Van Herwegen, J., Meuleman, B., Alessandri, M., Alnemary, F. M., Rad, J. A., Lavenex, P. A., Bolshakov, N., Bolte, S., Buffle, P., Cai, R. Y., Campos, R., Chirita-Emandi, et al
2023; 13: 04081
- **A Twin Study of Altered White Matter Heritability in Youth With Autism Spectrum Disorder.** *Journal of the American Academy of Child and Adolescent Psychiatry*
Hegarty, J. P., Monterrey, J. C., Tian, Q., Cleveland, S. C., Gong, X., Phillips, J. M., Wolke, O., McNab, J. A., Hallmayer, J., Reiss, A. L., Hardan, A. Y., Lazzeroni, L. C.
2023
- **Categorical versus dimensional structure of autism spectrum disorder: A multi-method investigation.** *JCPP advances*
Frazier, T. W., Chetcuti, L., Al-Shaban, F. A., Haslam, N., Ghazal, I., Klingemier, E. W., Aldosari, M., Whitehouse, A. J., Youngstrom, E. A., Hardan, A. Y., Uljarevic, M.
2023; 3 (2): e12142
- **Arriving at the empirically based conceptualization of restricted and repetitive behaviors: A systematic review and meta-analytic examination of factor analyses.** *Clinical psychology review*
Uljarevic, M., Spackman, E. K., Whitehouse, A. J., Frazier, T. W., Billingham, W., Condron, P., Hardan, A., Leekam, S. R.
2023; 103: 102286
- **Reliability of the Commonly Used and Newly-Developed Autism Measures.** *Journal of autism and developmental disorders*
Frazier, T. W., Whitehouse, A. J., Leekam, S. R., Carrington, S. J., Alvares, G. A., Evans, D. W., Hardan, A. Y., Uljarevic, M.
2023
- **Longitudinal neurobehavioral profiles in children and young adults with PTEN hamartoma tumor syndrome and reliable methods for assessing neurobehavioral change.** *Journal of neurodevelopmental disorders*
Busch, R. M., Frazier, T. W., Sonneborn, C., Hogue, O., Klaas, P., Srivastava, S., Hardan, A. Y., Martinez-Agosto, J. A., Sahin, M., Eng, C.
2023; 15 (1): 3
- **The Autism Symptom Dimensions Questionnaire: Development and psychometric evaluation of a new, open-source measure of autism symptomatology.** *Developmental medicine and child neurology*
Frazier, T. W., Dimitropoulos, A., Abbeduto, L., Armstrong-Brine, M., Kralovic, S., Shih, A., Hardan, A. Y., Youngstrom, E. A., Uljarevic, M., Quadrant Biosciences - As You Are Team, Speer, L., Wagner, K., West, K., et al
2023
- **Profiles of circumscribed interests in autistic youth.** *Frontiers in behavioral neuroscience*
Spackman, E., Smillie, L. D., Frazier, T. W., Hardan, A. Y., Alvares, G. A., Whitehouse, A., Uljarevic, M.
2023; 17: 1037967
- **Dimensional Assessment of Restricted and Repetitive Behaviors: Development and Preliminary Validation of a New Measure.** *Journal of the American Academy of Child and Adolescent Psychiatry*

- Uljarevič, M., Frazier, T. W., Jo, B., Scahill, L., Youngstrom, E. A., Spackman, E., Phillips, J. M., Billingham, W., Hardan, A.
2022
- **Characterizing restricted and unusual interests in autistic youth.** *Autism research : official journal of the International Society for Autism Research*
Spackman, E., Smillie, L., Frazier, T. W., Hardan, A. Y., Alvares, G. A., Whitehouse, A., Uljarevič, M.
2022
 - **Sleep architecture is associated with core symptom severity in autism spectrum disorder.** *Sleep*
Kawai, M., Buck, C., Chick, C. F., Anker, L., Talbot, L., Schneider, L., Linkovski, O., Cotto, I., Parker-Fong, K., Phillips, J., Hardan, A., Hallmayer, J., O'Hara, et al
2022
 - **Maladaptive behaviors in children with autism and parental hopelessness: The moderating role of parental reflective functioning.** *Autism research : official journal of the International Society for Autism Research*
Enav, Y., Knudtson, M. V., Hardan, A. Y., Gross, J. J.
2022
 - **INTRODUCING KIDSFIRST: A DIVERSE, LONGITUDINAL PHENOTYPIC DATABASE FOR FAMILIES WITH ASD**
McNealis, M., Kent, J., Dunlap, K., Abbeduto, L., Dimitropoulos, A., Dombrose, F., Hardan, A., Lane, J., Phillips, B., Rodriguez, N., Wall, D. P.
ELSEVIER SCIENCE INC.2022: S245-S246
 - **BRAIN STIMULATION INTERVENTIONS IN ASD: EFFORTS FOR THE DEVELOPMENT OF A PROMISING INTERVENTION APPROACH**
Ameis, S., Freitag, C. M., Hardan, A.
ELSEVIER SCIENCE INC.2022: S313
 - **Understanding the heterogeneity of anxiety in autistic youth: A person-centered approach.** *Autism research : official journal of the International Society for Autism Research*
Spackman, E., Lerh, J. W., Rodgers, J., Hollocks, M. J., South, M., McConachie, H., Ozsivadjian, A., Vaughan Van Hecke, A., Libove, R., Hardan, A. Y., Leekam, S. R., Simonoff, E., Frazier, et al
2022
 - **A randomized controlled trial of Everolimus for neurocognitive symptoms in PTEN hamartoma tumor syndrome.** *Human molecular genetics*
Srivastava, S., Jo, B., Zhang, B., Frazier, T., Gallagher, A. S., Peck, F., Levin, A. R., Mondal, S., Li, Z., Filip-Dhima, R., Geisel, G., Dies, K. A., Diplock, et al
2022
 - **Big Data Approach to Characterize Restricted and Repetitive Behaviors in Autism** *JOURNAL OF THE AMERICAN ACADEMY OF CHILD AND ADOLESCENT PSYCHIATRY*
Uljarevič, M., Frazier, T. W., Jo, B., Billingham, W. D., Cooper, M. N., Youngstrom, E. A., Scahill, L., Hardan, A. Y.
2022; 61 (3): 446-457
 - **Characterizing Emotion Recognition and Theory of Mind Performance Profiles in Unaffected Siblings of Autistic Children** *FRONTIERS IN PSYCHOLOGY*
Uljarevič, M., Bott, N. T., Libove, R. A., Phillips, J. M., Parker, K. J., Hardan, A. Y.
2022; 12: 736324
 - **Subdomains of restricted and repetitive behaviors within autism: Exploratory structural equation modeling using the diagnostic interview for social and communication disorders.** *Autism research : official journal of the International Society for Autism Research*
Uljarevič, M., Carrington, S. J., Hardan, A. Y., Leekam, S. R.
2022
 - **Daily living skills scale: Development and preliminary validation of a new, open-source assessment of daily living skills.** *Frontiers in psychiatry*
Uljarevič, M., Spackman, E. K., Cai, R. Y., Paszek, K. J., Hardan, A. Y., Frazier, T. W.
2022; 13: 1108471
 - **Characterizing dermatologic findings among patients with PTEN hamartoma tumor syndrome: results of a multi-center cohort study.** *Journal of the American Academy of Dermatology*
Morgan, F. C., Yehia, L., McDonald, C., Martinez-Agosto, J. A., Hardan, A. Y., Tamburro, J., Sahin, M., Bayart, C., Eng, C.
2022
 - **Development and validation of the Executive Functioning Scale.** *Frontiers in psychiatry*
Uljarevič, M., Cai, R. Y., Hardan, A. Y., Frazier, T. W.
2022; 13: 1078211

- **FAR: End-to-End Vibrotactile Distributed System Designed to Facilitate Affect Regulation in Children Diagnosed with Autism Spectrum Disorder Through Slow Breathing**
Miri, P., Arora, M., Malhotra, A., Flory, R., Hu, S., Lowber, A., Goyal, I., Nguyen, J., Hegarty, J., Kohn, M., Schneider, D., Culbertson, H., Yamins, et al
ASSOC COMPUTING MACHINERY.2022
- **Editorial: Precision medicine approaches for heterogeneous conditions such as autism spectrum disorders (The need for a biomarker exploration phase in clinical trials - Phase 2m).** *Frontiers in psychiatry*
Beverdors, D. Q., Anagnostou, E., Hardan, A., Wang, P., Erickson, C. A., Frazier, T. W., Veenstra-VanderWeele, J.
2022; 13: 1079006
- **Cognitive reappraisal training for parents of children with autism spectrum disorder.** *Frontiers in psychiatry*
Enav, Y., Hardan, A. Y., Gross, J. J.
2022; 13: 995669
- **Toward better characterization of restricted and unusual interests in youth with autism.** *Autism : the international journal of research and practice*
Uljarevic, M., Alvares, G. A., Steele, M., Edwards, J., Frazier, T. W., Hardan, A. Y., Whitehouse, A. J.
2021: 13623613211056720
- **Toward better characterization of restricted and repetitive behaviors in individuals with germline heterozygous PTEN mutations.** *American journal of medical genetics. Part A*
Uljarevic, M., Frazier, T. W., Rached, G., Busch, R. M., Klaas, P., Srivastava, S., Martinez-Agosto, J. A., Sahin, M., Eng, C., Hardan, A. Y., Developmental Synaptopathies Consortium
2021
- **Big Data Approach to Characterize Restricted and Repetitive Behaviors in Autism.** *Journal of the American Academy of Child and Adolescent Psychiatry*
Uljarevic, M., Frazier, T. W., Jo, B., Billingham, W. D., Cooper, M. N., Youngstrom, E. A., Scahill, L., Hardan, A. Y.
2021
- **Brief Report: Emotion Regulation Influences on Internalizing and Externalizing Symptoms Across the Normative-Clinical Continuum** *FRONTIERS IN PSYCHIATRY*
Cai, R., Hardan, A. Y., Phillips, J. M., Frazier, T. W., Uljarevi, M.
2021; 12: 693570
- **Relationship Between Social Motivation in Children With Autism Spectrum Disorder and Their Parents** *FRONTIERS IN NEUROSCIENCE*
Uljarevic, M., Frazier, T. W., Jo, B., Phillips, J. M., Billingham, W., Cooper, M. N., Hardan, A. Y.
2021; 15: 660330
- **A case-control study of visual, auditory and audio-visual sensory interactions in children with autism spectrum disorder.** *Journal of vision*
Norcia, A. M., Lee, A., Meredith, W. J., Kohler, P. J., Pei, F., Ghassan, S. A., Libove, R. A., Phillips, J. M., Hardan, A. Y.
2021; 21 (4): 5
- **Parenting stress in autism spectrum disorder may account for discrepancies in parent and clinician ratings of child functioning.** *Autism : the international journal of research and practice*
Schwartzman, J. M., Hardan, A. Y., Gengoux, G. W.
2021: 1362361321998560
- **A randomized double-blind controlled trial of everolimus in individuals with PTEN mutations: Study design and statistical considerations.** *Contemporary clinical trials communications*
Hardan, A. Y., Jo, B., Frazier, T. W., Klaas, P., Busch, R. M., Dies, K. A., Filip-Dhima, R., Snow, A. V., Eng, C., Hanna, R., Zhang, B., Sahin, M.
2021; 21: 100733
- **Brief Report: Role of Parent-Reported Executive Functioning and Anxiety in Insistence on Sameness in Individuals with Germline PTEN Mutations.** *Journal of autism and developmental disorders*
Uljarevic, M., Frazier, T. W., Rached, G., Busch, R. M., Klaas, P., Srivastava, S., Martinez-Agosto, J. A., Sahin, M., Eng, C., Hardan, A. Y., Developmental Synaptopathies Consortium
2021
- **A Longitudinal Study of Language Trajectories and Treatment Outcomes of Early Intensive Behavioral Intervention for Autism.** *Journal of autism and developmental disorders*
Frazier, T. W., Klingemier, E. W., Anderson, C. J., Gengoux, G. W., Youngstrom, E. A., Hardan, A. Y.
2021

- **Cross-level analysis of molecular and neurobehavioral function in a prospective series of patients with germline heterozygous PTEN mutations with and without autism.** *Molecular autism*
Frazier, T. W., Jaini, R., Busch, R. M., Wolf, M., Sadler, T., Klaas, P., Hardan, A. Y., Martinez-Agosto, J. A., Sahin, M., Eng, C., Developmental Synaptopathies Consortium, Warfield, S. K., Scherrer, B., et al
2021; 12 (1): 5
- **Language Improvement Following Pivotal Response Treatment for Children With Developmental Disorders.** *American journal on intellectual and developmental disabilities*
Schwartzman, J. M., Strong, K. n., Ardel, C. M., Schuck, R. K., Millan, M. E., Phillips, J. M., Hardan, A. Y., Gengoux, G. W.
2021; 126 (1): 45–57
- **SUPPORTING WORKING PARENTS IN AN ACADEMIC PSYCHIATRY DEPARTMENT DURING THE COVID-19 PANDEMIC: THE VIRTUAL CHILD ENGAGEMENT PROGRAM**
White, D., Aufderheide, C., Figueroa, J., Meza, E., Bundang, M., Libove, R., Gengoux, G., Hardan, A.
ELSEVIER SCIENCE INC.2021: S207
- **Using the big data approach to clarify the structure of restricted and repetitive behaviors across the most commonly used autism spectrum disorder measures.** *Molecular autism*
Uljarevi#, M., Jo, B., Frazier, T. W., Scahill, L., Youngstrom, E. A., Hardan, A. Y.
2021; 12 (1): 39
- **Psychiatric Characteristics Across Individuals With PTEN Mutations.** *Frontiers in psychiatry*
Steele, M., Uljarevic, M., Rached, G., Frazier, T. W., Phillips, J. M., Libove, R. A., Busch, R. M., Klaas, P., Martinez-Agosto, J. A., Srivastava, S., Eng, C., Sahin, M., Hardan, et al
2021; 12: 672070
- **Examining Effectiveness and Predictors of Treatment Response of Pivotal Response Treatment in Autism: An Umbrella Review and a Meta-Analysis.** *Frontiers in psychiatry*
Uljarevic, M., Billingham, W., Cooper, M. N., Condron, P., Hardan, A. Y.
2021; 12: 766150
- **Temperament in individuals with Autism Spectrum Disorder: A systematic review.** *Clinical psychology review*
Chetcuti, L. n., Uljarevi#, M. n., Ellis-Davies, K. n., Hardan, A. Y., Whitehouse, A. J., Hedley, D. n., Putnam, S. n., Hudry, K. n., Prior, M. R.
2021; 85: 101984
- **Enhancing Social Initiations Using Naturalistic Behavioral Intervention: Outcomes from a Randomized Controlled Trial for Children with Autism.** *Journal of autism and developmental disorders*
Gengoux, G. W., Schwartzman, J. M., Millan, M. E., Schuck, R. K., Ruiz, A. A., Weng, Y. n., Long, J. n., Hardan, A. Y.
2021
- **Genetic and environmental influences on structural brain measures in twins with autism spectrum disorder** *MOLECULAR PSYCHIATRY*
Hegarty, J. P., Pegoraro, L. L., Lazzeroni, L. C., Raman, M. M., Hallmayer, J. F., Monterrey, J. C., Cleveland, S. C., Wolke, O. N., Phillips, J. M., Reiss, A. L., Hardan, A. Y.
2020; 25 (10): 2556–66
- **NOVEL EARLY INTERVENTION IN AUTISM SPECTRUM DISORDER: BASIC PRINCIPLES AND NEW RESEARCH**
Hardan, A., Gengoux, G. W., Veenstra-VanderWeele, J.
ELSEVIER SCIENCE INC.2020: S271
- **A RANDOMIZED CONTROLLED TRIAL OF A DEVELOPMENTAL RECIPROCITY TREATMENT PROGRAM IN YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER**
Hardan, A., Millan, M., Baldi, G., Phillips, J., Goodman, R., Gengoux, G. W.
ELSEVIER SCIENCE INC.2020: S272–S273
- **PIVOTAL RESPONSE TREATMENT: APPLICATION TO NEW POPULATIONS AND SERVICE-DELIVERY MODELS**
Gengoux, G. W., Shahabuddin, A., Schwartzman, J., Schuck, R., Strong, K., Ardel, C., Hardan, A.
ELSEVIER SCIENCE INC.2020: S271–S272
- **Exploring Social Subtypes in Autism Spectrum Disorder: A Preliminary Study.** *Autism research : official journal of the International Society for Autism Research*
Uljarevic, M., Phillips, J. M., Schuck, R. K., Schapp, S., Solomon, E. M., Salzman, E., Allerhand, L., Libove, R. A., Frazier, T. W., Hardan, A. Y.

2020

- **Contextual determinants of parental reflective functioning: Children with autism versus their typically developing siblings.** *Autism : the international journal of research and practice*
Enav, Y., Erhard-Weiss, D., Goldenberg, A., Knudston, M., Hardan, A. Y., Gross, J. J.
2020: 1362361320908096
- **Rapid Eye-Tracking Evaluation of Language in Children and Adolescents Referred for Assessment of Neurodevelopmental Disorders** *JOURNAL OF INTELLECTUAL & DEVELOPMENTAL DISABILITY*
Frazier, T. W., Hauschild, K. M., Klingemier, E., Strauss, M. S., Hardan, A. Y., Youngstrom, E. A.
2020
- **Identifying and measuring the common elements of naturalistic developmental behavioral interventions for autism spectrum disorder: Development of the NDBI-Fi.** *Autism : the international journal of research and practice*
Frost, K. M., Brian, J. n., Gengoux, G. W., Hardan, A. n., Rieth, S. R., Stahmer, A. n., Ingersoll, B. n.
2020: 1362361320944011
- **Quantifying Research Domain Criteria Social Communication Subconstructs Using the Social Communication Questionnaire in Youth.** *Journal of clinical child and adolescent psychology : the official journal for the Society of Clinical Child and Adolescent Psychology, American Psychological Association, Division 53*
Uljarevi#, M. n., Frazier, T. W., Phillips, J. M., Jo, B. n., Littlefield, S. n., Hardan, A. Y.
2020: 1-11
- **Thalamic and prefrontal GABA concentrations but not GABAA receptor densities are altered in high-functioning adults with autism spectrum disorder.** *Molecular psychiatry*
Fung, L. K., Flores, R. E., Gu, M. n., Sun, K. L., James, D. n., Schuck, R. K., Jo, B. n., Park, J. H., Lee, B. C., Jung, J. H., Kim, S. E., Saggat, M. n., Sacchet, et al
2020
- **Effects of pivotal response treatment on reciprocal vocal contingency in a randomized controlled trial of children with autism spectrum disorder.** *Autism : the international journal of research and practice*
McDaniel, J. n., Yoder, P. n., Crandall, M. n., Millan, M. E., Ardel, C. M., Gengoux, G. W., Hardan, A. Y.
2020: 1362361320903138
- **Anxiety in young people with autism spectrum disorder: Common and autism-related anxiety experiences and their associations with individual characteristics.** *Autism : the international journal of research and practice*
Lau, B. Y., Leong, R., Uljarevic, M., Lerh, J. W., Rodgers, J., Hollocks, M. J., South, M., McConachie, H., Ozsivadjian, A., Van Hecke, A., Libove, R., Hardan, A., Leekam, et al
2019: 1362361319886246
- **Efficacy and safety of memantine in children with autism spectrum disorder: Results from three phase 2 multicenter studies** *AUTISM*
Hardan, A. Y., Hendren, R. L., Aman, M. G., Robb, A., Melmed, R. D., Andersen, K. A., Luchini, R., Rahman, R., Ali, S., Jia, X., Mallick, M., Lateiner, J. E., Palmer, et al
2019; 23 (8): 2096-2111
- **Genetic and environmental influences on corticostriatal circuits in twins with autism** *Journal of psychiatry & neuroscience : JPN*
Hegarty II, J. P., Lazzeroni, L. C., Raman, M. M., Hallmayer, J. F., Cleveland, S. C., Wolke, O. N., Phillips, J. M., Reiss, A. L., Hardan, A. Y.
2019; 44 (6): 190030
- **Interrelationship Between Cognitive Control, Anxiety, and Restricted and Repetitive Behaviors in Children with 22q11.2 Deletion Syndrome.** *Autism research : official journal of the International Society for Autism Research*
Uljarevic, M., McCabe, K. L., Angkustsiri, K., Simon, T. J., Hardan, A. Y.
2019
- **A Pivotal Response Treatment Package for Children With Autism Spectrum Disorder: An RCT.** *Pediatrics*
Gengoux, G. W., Abrams, D. A., Schuck, R., Millan, M. E., Libove, R., Ardel, C. M., Phillips, J. M., Fox, M., Frazier, T. W., Hardan, A. Y.
2019
- **A non randomized mentalization intervention for parents of children with autism** *AUTISM RESEARCH*
Enav, Y., Erhard-Weiss, D., Kopelman, M., Samson, A. C., Mehta, S., Gross, J. J., Hardan, A. Y.
2019; 12 (7): 1077-86

- **Blood oxytocin concentration positively predicts contagious yawning behavior in children with autism spectrum disorder.** *Autism research : official journal of the International Society for Autism Research*
Mariscal, M. G., Oztan, O., Rose, S. M., Libove, R. A., Jackson, L. P., Sumiyoshi, R. D., Trujillo, T. H., Carson, D. S., Phillips, J. M., Garner, J. P., Hardan, A. Y., Parker, K. J.
2019
- **A randomized placebo-controlled pilot trial shows that intranasal vasopressin improves social deficits in children with autism** *SCIENCE TRANSLATIONAL MEDICINE*
Parker, K. J., Oztan, O., Libove, R. A., Mohsin, N., Karhson, D. S., Sumiyoshi, R. D., Summers, J. E., Hinman, K. E., Motonaga, K. S., Phillips, J. M., Carson, D. S., Fung, L. K., Garner, et al
2019; 11 (491)
- **A non randomized mentalization intervention for parents of children with autism.** *Autism research : official journal of the International Society for Autism Research*
Enav, Y., Erhard-Weiss, D., Kopelman, M., Samson, A. C., Mehta, S., Gross, J. J., Hardan, A. Y.
2019
- **Effects of a parent-implemented Developmental Reciprocity Treatment Program for children with autism spectrum disorder** *AUTISM*
Gengoux, G. W., Schapp, S., Burton, S., Ardel, C. M., Libove, R. A., Baldi, G., Berquist, K. L., Phillips, J. M., Hardan, A. Y.
2019; 23 (3): 713–25
- **A pilot investigation of neuroimaging predictors for the benefits from pivotal response treatment for children with autism** *JOURNAL OF PSYCHIATRIC RESEARCH*
Hegarty, J. P., Gengoux, G. W., Berquist, K. L., Milian, M., Tamura, S. M., Karve, S., Rosenthal, M. D., Phillips, J. M., Hardan, A. Y.
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