

Curriculum Vitae

**Kenneth E. Towbin, M.D.**

Chief, Clinical Child and Adolescent Psychiatry  
Emotion and Development Branch, Intramural Research Program  
National Institute of Mental Health  
9000 Rockville Pike  
Bethesda, MD 20892-1281

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**Birthdate and Place:**

(b) (6)

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**Board Certification:**

American Board of  
Psychiatry and Neurology

Psychiatry, No. (b) (6)

American Board of  
Psychiatry and Neurology

Child and Adolescent  
Psychiatry, (b) (6)

**Education:**

Cornell University  
Ithaca, New York

A.B.  
Chemistry, Government  
(cum Laude)

University of Colorado  
School of Medicine  
Denver, Colorado

M.D.

**Professional Training:**

Intern in Medicine  
Yale University School of Medicine (aff.)  
Norwalk Hospital  
Norwalk, Connecticut

Resident in Psychiatry  
Yale University School of Medicine  
New Haven, Connecticut

Chief Resident in Psychiatry  
Yale University School of Medicine  
New Haven, Connecticut

Fellow in Child and Adolescent Psychiatry  
Yale Child Study Center

Fellow in Research  
Yale Program in Clinical Investigation  
Yale University School of Medicine

**Professional Appointments:**

Instructor Pediatrics and Psychiatry Yale Child Study Center Yale University School of Medicine	7/84-7/85
Associate Research Scientist Pediatrics and Psychiatry Yale Child Study Center Yale University School of Medicine	7/85-7/86
Assistant Clinical Professor Pediatrics and Psychiatry Yale Child Study Center Yale University School of Medicine	7/86 - 7/90
Associate Clinical Professor Pediatrics and Psychiatry Yale Child Study Center Yale University School of Medicine	7/90 - 6/93
Associate Director of Resident Training Child and Adolescent Psychiatry Yale Child Study Center Yale University School of Medicine	7/87 - 6/93
Associate Professor of Psychiatry and Behavioral Sciences & Pediatrics The George Washington University School of Medicine	6/93 - 7/98
Director of Residency Training Department of Psychiatry Children's National Medical Center	6/93 - 7/99
Medical Director, Pervasive Developmental Disorder Clinic Children's National Medical Center	7/97 – 2/2001
Professor of Psychiatry and Behavioral Sciences & Pediatrics The George Washington University School of Medicine	7/98 – 2001
Clinical Professor of Psychiatry and Behavioral Sciences & Pediatrics The George Washington University School of Medicine	02/2001- present

**Employment:**

Consulting Psychiatrist (part-time) Gaylord Hospital Wallingford, CT	7/82 - 6/93
Consulting Psychiatrist Community Health Care Plan New Haven, CT	7/83 - 7/86
Chief, Pediatric Mental Health Community Health Care Plan	7/86 - 7/87

New Haven, CT

Clinical Director 7/87 - 6/93  
RiverView Hospital for Children  
Connecticut Department of Children and Youth Services  
Middletown, CT

Department of Psychiatry and Behavioral Sciences 6/93 – 2/2001  
Children’s National Medical Center

Chief, Clinical Child and Adolescent Psychiatry 2/2001- present  
Mood and Anxiety Disorders Program  
National Institute of Mental Health  
National Institute of Health

**Professional Organizations:**

American Academy of Child and Adolescent  
Psychiatry

Washington Council of Child and Adolescent  
Psychiatry

Tourette Syndrome Association

**Appointments and Honors:**

College Scholar, College of Arts and Sciences (b) (6)  
Cornell University

Berger Fellow 1984  
Yale Child Study Center  
Yale University School of Medicine

Examiner, Child & Adolescent Psychiatry 1986 - 2004  
American Board of Psychiatry and Neurology

Co-Chairperson 1988  
Task Force on Treatment of Tic Disorders  
American Psychiatric Association

State of Connecticut 1988, 1989  
Commendation for Managerial Excellence

Fellow 1989 - present  
American Academy of Child and Adolescent Psychiatry

Mediator, U.S. Federal Court 1990  
Mental Health Sub-Panel  
In the matter of (b) (6)

Subspecialty Site Visitor, Residency Review Committee 1990 - 1995  
Accreditation Council on Graduate Medical Education  
American Medical Association

Committee on Inpatient Continuum of Care American Academy of Child and Adolescent Psychiatry	1991 - 1999
"Teacher of the Year" Yale Child Study Center Child Psychiatry Residents	1991
Examiner, General Psychiatry American Board of Psychiatry and Neurology	1992 - present
Autism Committee American Academy of Child and Adolescent Psychiatry	1993 - 2003
American Board of Psychiatry and Neurology National Examination Team Part II Oral Examinations in General Psychiatry	1993- present
Chapter Medical Advisory Committee Greater Washington Chapter Tourette Syndrome Association	1995 - 2003
Advisory Board Center for Outreach and Education (CORE) Ivymount School Rockville MD	1995 - 2003
Reviewer: Journal of Autism and Developmental Disorders	
Reviewer: Journal of Child Psychology and Psychiatry	
Reviewer: American Journal of Psychiatry	
Reviewer: Biological Psychiatry	
Reviewer: Journal of the American Academy of Child and Adolescent Psychiatry	
American Board of Psychiatry and Neurology National Examination Team Child and Adolescent Psychiatry Examinations	2001-present
Editorial Board Journal of the American Academy of Child and Adolescent Psychiatry	2004-2010
NIMH Directors Award for Significant Achievement	2008

**Bibliography:**

## Papers:

1. Towbin KE (1987). Drug Treatment of Obsessive Compulsive Disorder: a review in the light of diagnostic and metric limitations. *Psychiatric Developments* 1:25-50.
2. Towbin KE (1994). Pervasive Developmental Disorder Not Otherwise Specified. *Child and Adolescent Psychiatric Clinics of North America*. 3(1):149-160.
3. Towbin KE (1995) Evaluation, Establishing the Treatment Alliance, and Informed Consent in Child and Adolescent Psychopharmacotherapy. *Child and Adolescent Psychiatric Clinics of North America*. 4(1):1-15.
4. Towbin KE (1997) Autism and Asperger's Syndrome. *Current Opinion in Pediatrics* 9:361-366.
5. Towbin KE (2003) Strategies for Pharmacological Treatment of High-Functioning Autism and Asperger Syndrome. *Child and Adolescent Psychiatry Clinics of North America*. 12:23-45.
6. Towbin KE (2006) Gaining: Pediatric use of Atypical Antipsychotics. *American Journal of Psychiatry* 163 (12):2034-2036.
7. Towbin KE (2008) Paying Attention to Stimulants: Height, Weight and Cardiovascular Monitoring in Clinical Practice. *J. Am Acad. Child & Adol Psychiatry*. 47(9):977-80.
8. Towbin KE (1995) Evaluation, Establishing the Treatment Alliance, and Informed Consent in Child and Adolescent Psychopharmacotherapy. *Child and Adolescent Psychiatric Clinics of North America*. 4(1):1-15.
9. Towbin KE (1997) Autism and Asperger's Syndrome. *Current Opinion in Pediatrics* 9:361-366.
10. Towbin KE (2003) Strategies for Pharmacological Treatment of High-Functioning Autism and Asperger Syndrome. *Child and Adolescent Psychiatry Clinics of North America*. 12:23-45.
11. Towbin KE (2006) Gaining: Pediatric use of Atypical Antipsychotics. *American Journal of Psychiatry* 163 (12):2034-2036.
12. Towbin KE (2008) Paying Attention to Stimulants: Height, Weight and Cardiovascular Monitoring in Clinical Practice. *J. Am Acad. Child & Adol Psychiatry*. 47(9):977-80.
13. Towbin K, Axelson D, Leibenluft E, Birmaher B. (2013) Differentiating Bipolar Disorder-Not Otherwise Specified and Severe Mood Dysregulation. *Journal of the American Academy of Child and Adolescent Psychiatry*. 52 (5): 466-481. DOI: 10.1016/j.jaac.2013.02.006
14. Towbin KE, Campbell P (1995) Ethical Conflicts and their Management in Inpatient Child and Adolescent Psychiatry. *Child and Adolescent Psychiatric Clinics of North America*. 4(4):747-767.
15. Towbin KE, Dykens ED, Pearson GS, Cohen DJ (1993). Conceptualizing "Borderline Syndrome of Childhood" and "Childhood Schizophrenia" as a Developmental Disorder. *Journal of the American Academy of Child and Adolescent Psychiatry* 32(4): 775-782. **Reprinted in:** Hertzog MA and Farber EA (eds.) (1995) *Annual Progress in Child Psychiatry and Child Development 1994* New York: Brunner Mazel Inc., pp. 377-393.
16. Towbin KE, Dykens ED, Pugliese RG (1994) Clozapine for Early Developmental Delays with Childhood Onset Schizophrenia: Protocol and 15 month follow-up. *Journal of the American Academy of Child and Adolescent Psychiatry*. 33(5): 651-657.
17. Towbin KE, Pradella AG, Gorrindo T, Pine D, Leibenluft E (2005) Autism Spectrum Traits in Children with Mood and Anxiety Disorders. *Journal of Child and Adolescent Psychopharmacology*. 15(3):452-64.

## First authored chapters:

1. Towbin KE (1988). Obsessive-Compulsive Symptoms in Tourette's Syndrome. In: Cohen, D.J., Bruun, R.D., & Leckman, J.F.: *Tourette's Syndrome & Tic Disorders: Clinical understanding and treatment*. New York: John Wiley and Sons. pp. 137-151.
2. Towbin KE (1996) Diagnosis and Treatment of Obsessive Compulsive Disorders. In: Wiener, J. (ed) *Diagnosis and Psychopharmacology of Childhood and Adolescent Disorders, Second Edition*. New York: John Wiley and Sons. pp. 375-401.
3. Towbin KE (2001) Autism and Other Pervasive Developmental Disorders. In: Batshaw, ML (ed). *When your child has a disability*. Revised edition. Baltimore, Paul H. Brookes Publ. Co. pp. 341-354.
4. Towbin KE (2005) Pervasive Developmental Disorder Not Otherwise Specified. In: Volkmar, F.V. (ed) *The Handbook of Autism and Other Pervasive Developmental Disorders (3rd ed)*. New York: John Wiley and Sons. pp. 165-200.
5. Towbin KE (2007). Trichotillomania in Children and Adolescents. In: Volkmar, F. Martin, A. (eds.) *Child and Adolescent Psychiatry: A Comprehensive Textbook. Fourth Edition*. Baltimore, Maryland: Lippincott, Williams & Wilkins, pp 566-569.
6. Towbin KE (2010) Tic Disorders. In: Dulcan M (ed) *Dulcan's Textbook Of Child And Adolescent Psychiatry*. Washington, DC: APPI Press Inc., pp. 417-434.
7. Towbin KE, Cohen DJ (1996) Diagnosis and Treatment of Tic Disorders. In: Wiener J (ed) *Diagnosis and Psychopharmacology of Childhood and Adolescent Disorders, Second Edition*. New York: John Wiley and Sons. pp. 349-374.
8. Towbin KE, Cohen DJ, Leckman JF (1989). Tic Disorders. In: Karasu, T.B. *Treatments of Psychiatric Disorders: A task force report of the American Psychiatric Association*. Washington, D.C.: American Psychiatric Association Press. pp. 687-711.
9. Towbin KE, Cohen DJ, Leckman JF. (1995) Tic Disorders. In: Gabbard, G. *Treatments of Psychiatric Disorders, 2nd edition*. Volume 1. Washington, D.C.: American Psychiatric Press. pp.201-217.
10. Towbin, KE, Cohen, DJ, Leckman JF. (1996) Tic Disorders. In: Gabbard, G.O. & Atkinson, S.D. *Synopsis of Treatments of Psychiatric Disorders, 2nd edition*. Washington, D.C.: American Psychiatric Press. pp. 89-98.
11. Towbin, K.E., Cohen, D.J., Leckman J.F. (2001) Tic Disorders. In: Gabbard, G. *Treatments of Psychiatric Disorders, 3rd edition*. Washington, D.C.: American Psychiatric Press, pp. 191-211.
12. Towbin KE, Leckman JF (1991). Attention Deficit Hyperactivity Disorder in Children and Adolescents. In: Rudolph, A.M. (ed.) *Pediatrics 19th edition*. New York: Appleton-Century-Crofts, pp. 115-117.
13. Towbin, KE, Leckman JF (1991). Separation Anxiety Disorder and School Refusal in Children and Adolescents. In: Rudolph, A.M. (ed.) *Pediatrics 19th edition*. New York: Appleton-Century-Crofts. pp. 104-106.
14. Towbin KE, Leckman JF (1992). Attention Deficit Hyperactivity Disorder. In: Klawans, H., Goetz, C. and Tanner, C. *A Textbook of Clinical Neuropharmacology*. New York: Raven Press. pp. 323-333.
15. Towbin KE, Leibenluft, E: (2006) Mr. Opposite: Comprehensive Treatment of Childhood Bipolar Disorder in *DSM-IV-TR Treatment Casebook Volume 2: Experts Tell How They Treated Their Patients* (eds) Spitzer, M, First, M, Williams, JBW and Gibbon M. American Psychiatric Press Inc. pp 223-33.

16. Towbin KE, Mauk JE, Batshaw ML (2002) Autism Spectrum Disorders. In: Batshaw ML (ed) *Children with Disabilities* (5<sup>th</sup> edition). Baltimore, Paul H. Brookes Publ. Co. pp 365-388.
17. Towbin, KE, Peterson, BS, Cohen, DJ, & Leckman, JF (1999). Differential diagnosis. In: Leckman, J.F. & Cohen, D.J.(eds.) *Tourette's Syndrome: Tics, Obsessions, Compulsions. Developmental Psychopathology and Clinical Care*. New York: John Wiley and Sons. pp. 118-139.
18. Towbin, K.E., Riddle, M.A. (1991). Obsessive Compulsive Disorder in Children and Adolescents. In: Lewis, M. (ed.) *Child and Adolescent Psychiatry: A Comprehensive Textbook*. Baltimore, Maryland: Williams and Wilkins Publishers. pp. 685-697.
19. Towbin, K.E., Riddle, M.A., Leckman, J.F., and Cohen, D.J. (1992). The Diagnosis and Assessment of Tic Disorders. In: Hooper, S.R., Hynd, and Mattison, R. *Assessment and Diagnosis of Child and Adolescent Psychiatric Disorders: Current issues and procedures*. Hillsdale New Jersey: Lawrence Erlbaum Associates, Inc. pp. 343-377.
20. Towbin, K.E., Riddle, M.A. (1993). Attention Deficit Hyperactivity Disorder. In: Kurlan, R. (ed.) *The Handbook of Tourette's Syndrome and Related Tic and Behavioral Disorders*. New York: Marcel Dekker, Inc. pp. 89-111.
21. Towbin KE, Riddle, MA, Leckman JF, Bruun RD, Cohen DJ (1988). The Clinical Care of Individuals with Tourette's Syndrome. In: Cohen, DJ, Bruun, RD, & Leckman, JF: *Tourette's Syndrome & Tic Disorders: Clinical understanding and treatment*. New York: John Wiley and Sons. pp. 330-352.
22. Towbin, K.E., Riddle, M.A. (1996). Obsessive-Compulsive Disorder in Children and Adolescents. In: Lewis, M. (ed.) *Child and Adolescent Psychiatry: A Comprehensive Textbook. Second Edition*. Baltimore, Maryland: Williams and Wilkins Publishers. pp. 684-692.
23. Towbin KE, Riddle MA (2002). Obsessive-Compulsive Disorder in Children and Adolescents. In: Lewis, M. (ed.) *Child and Adolescent Psychiatry: A Comprehensive Textbook. Third Edition*. Baltimore, Maryland: Lippincott, Williams & Wilkins, pp. 834-847.
24. Towbin KE, Riddle MA (2007). Obsessive-Compulsive Disorder in Children and Adolescents. In: Volkmar, F. and Martin, A. (eds.) *Child and Adolescent Psychiatry: A Comprehensive Textbook. Fourth Edition*. Baltimore, Maryland: Lippincott, Williams & Wilkins, pp 548-566.
25. Towbin KE, Schowalter JS (2003) Adolescent Development. In: Tasman A, Kaye J, & Lieberman JA (eds.) *Psychiatry* 2<sup>nd</sup> Edition. Orlando Fla., W.B. Saunders Co. pp144-163.
26. Towbin KE, Schowalter JS (2008) Adolescent Development, Chap 10. In: Tasman A, Kaye J, & Lieberman JA (eds.) *Psychiatry* 3<sup>rd</sup> Edition. Orlando Fla., W.B. Saunders Co.

Published Website lecture:

Towbin, K. (2010), "PDD-NOS: the "unknown continent"," in Volkmar, F. (ed.), *Autism and Autism Spectrum Disorders: History, Diagnosis, Neurobiology, Treatment and Outcome*. The Biomedical & Life Sciences Collection, Henry Stewart Talks Ltd, London (online at <http://hstalks.com/?t=BL1042616-Towbin>)

Co-authored Papers:

1. Baroni A, Lunsford JR, Luckenbaugh DA, **Towbin KE**, Leibenluft E. Practitioner review: the assessment of bipolar disorder in children and adolescents. *J Child Psychol Psychiatry*. 2009 Mar;50(3):203-15.
2. Bhangoo RK, Dell ML, **Towbin KE**, Myers FS, Lowe CH, Leibenluft E. (2003) Clinical Correlates of Episodicity in Juvenile Bipolar Disorder. *J Child Adolesc Psychopharmacol*. 13(4):507-14.

3. Bhangoo R, Lowe CH, Myers FS, Treland J, Curran J, **Towbin KE**, Leibenluft E. (2003) Medication Use in Children and Adolescents with Bipolar Disorder. *J Child & Adolesc Psychopharmacol.* 13(4):515-22.
4. Blair KS, Geraci M, Korelitz K, Otero M, Towbin K, Ernst M, Leibenluft E, Blair RJ, Pine DS. (2011) The pathology of social phobia is independent of developmental changes in face processing. *Am J Psychiatry.* 168(11):1202-9.
5. Brotman MA, Kassem L, Reising MM, Guyer AE, Dickstein DP, Rich BA, **Towbin KE**, Pine DS, McMahon FJ, Leibenluft E. (2007) Parental diagnoses in youth with narrow phenotype bipolar disorder or severe mood dysregulation. *Am J Psychiatry,* 164(8):1238-41.
6. Brotman MA, Rich BA, Guyer AE, Lunsford JR, Horsey SE, Reising MM, Thomas LA, Fromm SJ, **Towbin K**, Pine DS, Leibenluft E. (2010) Amygdala activation during emotion processing of neutral faces in children with severe mood dysregulation versus ADHD or bipolar disorder. *Am J Psychiatry.* 167(1):61-9.
7. Dickstein DP, Rich BA, Binstock AB, Pradella AG, **Towbin KE**, Pine DS, Leibenluft E. (2005) Comorbid anxiety in phenotypes of pediatric bipolar disorder. *J Child Adolesc Psychopharmacol.* 15(4):534-48.
8. Dickstein DP, Treland JE, Snow JS, McClure EB, Mehta MS, **Towbin KE**, Pine DS, Leibenluft E (2004) Neuropsychological Performance in Pediatric Bipolar Disorder, *Biological Psychiatry* 55:32-39.
9. Dickstein DP, **Towbin KE**, Van Der Veen JW, Rich BA, Brotman MA, Knopf L, Onelio L, Pine DS, Leibenluft E. (2009) Randomized double-blind placebo-controlled trial of lithium in youths with severe mood dysregulation. *J Child Adolesc Psychopharmacol.* 19(1):61-73.
10. Dickstein DP, van der Veen JW, Knopf L, **Towbin KE**, Pine DS, Leibenluft E. (2008) Proton magnetic resonance spectroscopy in youth with severe mood dysregulation. *Psychiatry Res.* 2008 Apr 8
11. Egger HL, Pine DS, Nelson E, Leibenluft E, Ernst M, Towbin KE, Angold A. (2011) The NIMH Child Emotional Faces Picture Set (NIMH-CHEPS): a new set of children's facial emotion stimuli. *Int J Methods Psychiatr Res.* 20(3):145-56.
12. Ernst M, Nelson EE, McClure EB, Monk CS, Munson S, Eshel N, Zarahn E, Leibenluft E, Zametkin A, **Towbin K**, Blair J, Charney D, Pine DS (2004) Choice selection and reward anticipation: an fMRI study. *Neuropsychologia.* 42(12):1585-97.
13. Finger EC, Marsh AA, Mitchell DG, Reid ME, Sims C, Budhani S, Kosson DS, Chen G, **Towbin KE**, Leibenluft E, Pine DS, Blair JR (2008). Abnormal ventromedial prefrontal cortex function in children with psychopathic traits during reversal learning. *Arch Gen Psychiatry.* 65(5):586-94.
14. Leckman, J.F., Walkup, J.T., Riddle, M.A., **Towbin, KE**, & Cohen, D.J. (1987). Tic Disorders. In: Melzer, H.Y. (ed.): *Psychopharmacology: The third generation of progress* New York: Raven Press, pp. 1239-1246.
15. Leibenluft E, Charney DS, **Towbin KE**, Bhangoo R, Pine DS (2003) Defining clinical phenotypes of juvenile mania. *American Journal of Psychiatry* 160: 430-437
16. Marsh AA, Finger EC, Mitchell DG, Reid ME, Sims C, Kosson DS, **Towbin KE**, Leibenluft E, Pine DS, Blair RJ. (2008) Reduced Amygdala Response to Fearful Expressions in Children and Adolescents with Callous-Unemotional Traits and Disruptive Behavior Disorders. *Am J Psychiatry.* 165(5):652.
17. McClure EB, Treland JE, Snow J, Dickstein DP, **Towbin KE**, Charney DS, Pine DS, Leibenluft E. (2005) Memory and learning in pediatric bipolar disorder. *J Am Acad Child Adolesc Psychiatry.* 44(5):461-9.
18. McClure EB, Treland JE, Snow J, Schmajuk M, Dickstein DP, **Towbin KE**, Charney DS, Pine DS, Leibenluft E. (2005) Deficits in social cognition and response flexibility in pediatric bipolar disorder. *Am J Psychiatry* 162(9):1644-51.

19. Nelson EE, Vinton DT, Berghorst L, **Towbin KE**, Hommer RA, Dickstein DP, Rich BA, Brotman MA, Pine DS, Leibenluft E (2007): Brain systems underlying response flexibility in healthy and bipolar adolescents: an event-related fMRI study. *Bipolar Disorders*, 9(8):810-9.
20. Olsavsky AK, Brotman MA, Rutenberg JG, Muhrer EJ, Deveney CM, Fromm SJ, **Towbin K**, Pine DS, Leibenluft E. (2012) Amygdala hyperactivation during face emotion processing in unaffected youth at risk for bipolar disorder. *J Am Acad Child Adolesc Psychiatry*. 2012. 51(3):294-303.
21. Pauls DL, Leckman JF, **Towbin KE**, Zahner GEP, Cohen DJ (1986). A Possible Genetic Relationship Exists Between Tourette's Syndrome and Obsessive-Compulsive Disorder. *Psychopharmacology Bulletin*. 22:730-733.
22. Pauls DL, **Towbin KE**, Leckman JF, Zahner GEP, Cohen DJ (1986). Gilles de la Tourette Syndrome and Obsessive-Compulsive Disorder. *Archives of General Psychiatry* 43:1180-1182.
23. Pine DS, Guyer AE, Goldwin M, **Towbin KE**, Leibenluft E: (2008) Autism-Spectrum-Disorder-Scale Scores in Pediatric Mood and Anxiety Disorders. *J Am Acad. Child Adol Psychiatry* 47(6):652-61
24. Riddle MA, Hardin MT, **Towbin KE**, Leckman JF, Cohen DJ (1987). Tardive Dyskinesia Following Haloperidol Treatment in Tourette's Syndrome. *Archives of General Psychiatry* 44:98-99.
25. Riddle MA, Leckman JF, Anderson GM, Hardin M T, Ort SI, **Towbin KE**, Shaywitz BA, Cohen DJ (1987). Assessment of Dopaminergic Functioning in Children and Adults: Long and Brief Debrisoquin Administration Combined with Plasma Homovanillic Acid. *Psychopharmacology Bulletin*. 23(3):411-414.
26. Riddle MA, Scahill L, King R, Hardin M, **Towbin KE**, Ort SI, Leckman JF, Cohen DJ: Obsessive Compulsive Disorder in Children and Adolescents: Phenomenology and Family History. *Journal of the American Academy of Child and Adolescent Psychiatry* 29(5):766-772, 1990.
27. Stringaris A, Baroni A, Haimm C, Brotman M, Lowe CH, Myers F, Rustgi E, Wheeler W, Kayser R, **Towbin K**, Leibenluft E. (2010) Pediatric bipolar disorder versus severe mood dysregulation: risk for manic episodes on follow-up. *J Am Acad Child Adolesc Psychiatry*. 49(4):397-405.
28. Vitiello B, **Towbin K** (2009) Stimulant treatment of ADHD and risk of sudden death in children. *Am J Psychiatry*. 166(9):955-7.
29. Volkmar FR, Klin A, Siegel B, Szatmari P, Lord C, Campbell M, Freeman BJ, Cicchetti D, Rutter M, Kline W, Buitelaar J, Hattab Y, Fombonne E, Fuentes J, Werry J, Stone W, Kerbesian J, Hoshino Y, Bregman J, Loveland K, Szymanski L, **Towbin K** (1994) Field Trials for Autistic Disorders in DSM-IV. *American Journal of Psychiatry*. 151:1361-1367.

## Co-authored chapters:

1. Cohen, DJ, **Towbin, KE**, Leckman, JF. (1992). Tourette's Syndrome: A model developmental neuropsychiatric disorder. In: Chiland, C. and Young, J.G. (eds) *New Approaches to Mental Health from Birth to Adolescence*. Vol 9. of The Child in the Family. New Haven, Connecticut: Yale University Press pp. 121-153.
2. Cohen DJ, **Towbin, KE**, Mayes, LC, Volkmar, FR. (1994) Developmental Psychopathology of Multiplex Developmental Disorder. In: Friedman S.L., Haywood C. (eds.) *Developmental Follow-up: Concepts, Genres, Domains, and Methods*. Academic Press. San Diego, CA. pp. 155-179.
3. Hyman SL, **Towbin KE** (2007) Autism Spectrum Disorders. In: Batshaw ML, Pellegrino L, Roizen NJ (eds) *Children with Disabilities* (6<sup>th</sup> edition). Baltimore, Paul H. Brookes Publ. Co. pp 325-344.
4. Joshi PT, **Towbin KE** (2002) Psychosis in Childhood & Its Management: In: Joseph T. Coyle (ed) *Neuropsychopharmacology - The Fifth Generation of Progress*. Lippincott, Williams & Wilkins, Baltimore MD, pp. 613-624.

5. King RA, **Towbin KE**, Schahill L, Leckman JF. (2007) Tic Disorders. In: Gabbard, G. *Treatments of Psychiatric Disorders, 4th edition*. Volume 1. Washington, D.C.: American Psychiatric Press. pp. 143-152.
6. Leckman, JF, **Towbin, KE**, Ort, SI, & Cohen, DJ. (1988). Clinical Assessment of Tic Disorder Severity. In: Cohen, DJ, Bruun, RD, & Leckman, JF (eds.): *Tourette's Syndrome & Tic Disorders: Clinical understanding and treatment*. New York: John Wiley and Sons. pp. 55-79.
7. Riddle, MA, **Towbin, KE** (1991). Obsessive-Compulsive Disorder in Children and Adolescents. In: Rudolph, A.M. (ed.) *Pediatrics 19th edition*. New York: Appleton-Century-Crofts. pp. 120-121.
8. Schowalter JE, **Towbin KE** (1997) Adolescent Development. In: Tasman A, Kaye J, & Lieberman JA (eds.) *Psychiatry*. Orlando Fla., W.B. Saunders Co. pp. 127-144.
9. Schwab-Stone, M, **Towbin, KE**, & Tarnoff, GE (1991). DSM-III-R and ICD-10: a comparative study. In: Lewis, M. (ed.) *Child and Adolescent Psychiatry: A Comprehensive Textbook*. Baltimore, Maryland: Williams and Wilkins Publishers. pp. 422-434.