

# Contents

## Part I Overview

- 1 History and Evolution of the Autism Spectrum Disorders** . . . . . 3  
Julie K. Irwin, Jennifer MacSween, and Kimberly A. Kerns
- 2 Diagnostic Systems** . . . . . 17  
Christopher L. Gillberg
- 3 Prevalence and the Controversy** . . . . . 25  
Colin Andrew Campbell, Sahar Davarya, Mayada Elsabbagh, Lisa Madden, and Eric Fombonne
- 4 Autism Spectrum Disorders and Intellectual Disability** . . . . . 37  
Luc Lecavalier, Anne V. Snow, and Megan Norris
- 5 Psychiatric Disorders in People with Autism Spectrum Disorders: Phenomenology and Recognition** . . . . . 53  
Sissel Berge Helverschou, Trine Lise Bakken, and Harald Martinsen

## Part II Nosology and Etiology

- 6 The Genetics of Autism** . . . . . 77  
Deborah K. Sokol and Debomoy K. Lahiri
- 7 Behavioural, Biopsychosocial, and Cognitive Models of Autism Spectrum Disorders** . . . . . 99  
Sophie E. Lind and David M. Williams
- 8 Nosology and Theories of Repetitive and Restricted Behaviours and Interests** . . . . . 115  
Eynat Gal
- 9 Emotional Cognition: Theory of Mind and Face Recognition** . . . . . 127  
Nathalie Nader-Grosbois and James M. Day
- 10 Developmental Issues and Milestones** . . . . . 159  
Audrey Thurm, Somer Bishop, and Stacy Shumway
- 11 Sensory Processing and Motor Issues in Autism Spectrum Disorders** . . . . . 175  
Claudia List Hilton

## Part III Assessment

- 12 Early Detection of Autism Spectrum Disorders** . . . . . 197  
Dennis R. Dixon, Doreen Granpeesheh, Jonathan Tarbox, and Marlena N. Smith

<b>13</b>	<b>Diagnostic Instruments for the Core Features of ASD . . . . .</b>	<b>215</b>
	Julie A. Worley and Johnny L. Matson	
<b>14</b>	<b>Assessment of Rituals and Stereotypy . . . . .</b>	<b>233</b>
	Olive Healy and Geraldine Leader	
<b>15</b>	<b>Assessing Challenging Behaviors in Autism Spectrum Disorders: Prevalence, Rating Scales, and Autonomic Indicators . . . . .</b>	<b>247</b>
	Ira L. Cohen, J. Helen Yoo, Matthew S. Goodwin, and Lauren Moskowitz	
<b>16</b>	<b>Functional Behavioral Assessment and Analysis . . . . .</b>	<b>271</b>
	John Ward-Horner, Laura J. Seiverling, and Peter Sturmey	
<b>17</b>	<b>Assessment of Comorbid Psychopathology . . . . .</b>	<b>287</b>
	Lisa Underwood, Jane McCarthy, and Elias Tsakanikos	
<b>18</b>	<b>Identifying Moderators of Treatment Outcome for Children with Autism . . .</b>	<b>295</b>
	Laura Schreibman, Sarah Dufek, and Allison B. Cunningham	
<b>19</b>	<b>Identifying Fad Therapies for Autism Spectrum Disorders and Promoting Effective Treatment . . . . .</b>	<b>307</b>
	Jenny E. Tuzikow and Steve Holburn	
<b>20</b>	<b>Intensive Early Intervention . . . . .</b>	<b>321</b>
	Svein Eikeseth	
<b>21</b>	<b>Teaching Adaptive and Social Skills to Individuals with Autism Spectrum Disorders . . . . .</b>	<b>339</b>
	Kendra Thomson, Kerri Walters, Garry L. Martin, and C.T. Yu	
<b>22</b>	<b>Functional Skill Replacement Training . . . . .</b>	<b>355</b>
	Nozomi Naoi	
<b>23</b>	<b>Verbal Behavior and Communication Training . . . . .</b>	<b>367</b>
	Thomas S. Higbee and Tyra P. Sellers	
<b>24</b>	<b>Training Children with Autism and Pervasive Developmental Disorders to Comply with Healthcare Procedures: Theory and Research . . .</b>	<b>381</b>
	Anthony J. Cuvo	
<b>25</b>	<b>Physically Active Living for Individuals with ASD . . . . .</b>	<b>397</b>
	Kerri L. Staples, Greg Reid, Kyle Pushkarenko, and Susan Crawford	
<b>26</b>	<b>Aggression, Tantrums, and Other Externally Driven Challenging Behaviors .</b>	<b>413</b>
	Nirbhay N. Singh, Giulio E. Lancioni, Alan S.W. Winton, and Judy Singh	
<b>27</b>	<b>Self-Injurious Behavior: Overview and Behavioral Interventions . . . . .</b>	<b>437</b>
	Frederick Furniss, Asit B. Biswas, Bradley Bezilla, and Aaron A. Jones	
<b>28</b>	<b>Self-Injurious Behavior: II. Pharmacological and Integrated Treatments . . .</b>	<b>453</b>
	Frederick Furniss, Asit B. Biswas, Bradley Bezilla, and Aaron A. Jones	
<b>29</b>	<b>Autism Spectrum Disorders: Comorbid Psychopathology and Treatment . . .</b>	<b>463</b>
	Sarah Mohiuddin, Sara Bobak, Daniel Gih, and Mohammad Ghaziuddin	
<b>30</b>	<b>Rituals, Stereotypies, and Obsessive-Compulsive Behavior . . . . .</b>	<b>479</b>
	Joel E. Ringdahl	
<b>31</b>	<b>Interventions to Treat Feeding Problems in Children with Autism Spectrum Disorders: A Comprehensive Review . . . . .</b>	<b>491</b>
	Laura J. Seiverling, Keith E. Williams, John Ward-Horner, and Peter Sturmey	

**32 Training Staff and Parents: Evidence-Based Approaches . . . . . 509**  
 Dennis H. Reid and Wendy H. Fitch

**33 Adults with Autism Spectrum Disorders . . . . . 521**  
 Sara Mahan and Alison M. Kozlowski

**Subject Index . . . . . 539**

- Trine Lise Bakken* - Department, Oslo University Hospital, Oslo, Norway, trine.lise.bakken@uh.no
- Bradley Beidler* - The Wesley Group, Doncaster, DN11 9HS, UK, brad.beidler@wescgroup.co.uk
- Simon Bishop* - Kelly O'Leary, Center for Autism Spectrum Disorders, Cleveland Children's Hospital Medical Center, Cleveland, OH 44120, USA, simon.bishop@chc.org
- Adri F. Brown* - Leicester Fifth Hospital, Leicester Partners Partnership NHS Trust, Leicester, LE3 9QF, UK, adri.f.brown@nhs.uk
- Sara Bokun* - Department of Psychiatry, The University of Michigan, Ann Arbor, MI 48109, USA, sbokun@med.umich.edu
- Colin Andrew Campbell* - Department of Educational and Counselling Psychology, McGill University, Montreal, QC, Canada H3A 1P1, colin.campbell@mcgill.ca
- Ira L. Cohen* - Department of Psychology, New York State Institute for Basic Research in Developmental Disabilities, Staten Island, NY 10314, USA, ira.cohen@nysidd.ny.gov
- Susan Crawford* - Department of Education, University College Cork, Cork, Ireland, scrawford@uicad.com
- Allison M. Cunningham* - Department of Psychology, University of California, San Diego, CA 92093-0104, USA, acunning@ucsd.edu
- Anthony J. Davis* - Center for Autism Spectrum Disorders, Southern Illinois University, Carbondale, IL 62901, USA, avdavis@siu.edu
- Sahar Davaryz* - Department of Psychology, Loyola College in Maryland, Baltimore, MD 21210, USA, sdavaryz@loyola.edu
- Janet M. Day* - Center for Psychological Research, Catholic University of Louvain, UCLouvain, Louvain-la-Neuve, Belgium, janet.day@uclouvain.be
- Debbie R. Dixon* - The Center for Autism and Related Disorders, Torrance, CA 90510, USA, ddixon@centerforautism.com
- Sarah Dufek* - Department of Psychology, University of California, San Diego, CA 92093-0109, USA, sdufek@ucsd.edu
- Orvid Eilertsen* - Faculty of Behavioral Science, Århus University College, N-2007, Lillestrøm, Norway, orvid.eilertsen@uh.no
- Mayada Elshagheh* - Centre for Health and Learning Disabilities, Birkbeck, University of London, London WC1E 7HX, UK, m.e1shagheh@birkbeck.ac.uk
- Wendy H. Fitch* - Cleveland County Schools, Shelby, NC, USA, wfitch@clevalandcountyschools.org