
Contents

Part I Drug Abuse and Addiction – An Overview

1	Epidemiology of Alcohol and Drug Use	3
	Margriet van Laar	
2	Drug Abuse and Behavioral Disinhibition	25
	Mark T. Fillmore	
3	Automatic and Controlled Processes in the Pathway from Drug Abuse to Addiction	35
	Matt Field and Reinout Wiers	
4	Personality and Substance Misuse: Evidence for a Four-Factor Model of Vulnerability	47
	Natalie Castellanos-Ryan and Patricia Conrod	
5	Compulsive Drug Use and Brain Reward Systems	63
	Jonathan A. Hollander and Paul J. Kenny	
6	Animal Models in Addiction Research	73
	David Belin and Jeffrey W. Dalley	
7	Genetic Contributions to Individual Differences in Vulnerability to Addiction and Abilities to Quit	95
	George R. Uhl and Tomas Drgon	
8	Pharmacotherapy of Addiction	107
	Ahmed Elkashef and Ivan Montoya	

Part II Drugs of Abuse

9	Alcohol	123
	A.E. Goudriaan and K.J. Sher	
10	Nicotine	137
	Erika B. Litvin, Joseph W. Ditre, Bryan W. Heckman, and Thomas H. Brandon	
11	Cannabis	151
	Gerry Jager	
12	Cocaine	163
	Anne P. Daamen, Renske Penning, Tibor Brunt, and Joris C. Verster	

13	MDMA and LSD	175
	A.C. Parrott	
14	Inhalants Abuse: Status of Etiology and Intervention	189
	Ty. A. Ridenour and Matthew O. Howard	
15	Ketamine	201
	Kim Wolff	
16	Prescription Drug Misuse Across the Lifespan: A Developmental Perspective	213
	Megan E. McLarnon, Sean P. Barrett, Tracy L. Monaghan, and Sherry H. Stewart	
17	Anxiolytics and Sedatives	231
	Alyson Bond and Malcolm Lader	
18	Opioids and Other Analgesics	241
	Jane C. Ballantyne	
19	Anabolic–Androgenic Steroids	251
	Harrison G. Pope Jr. and Gen Kanayama	
Part III Drug Abuse in Medical Illness		
20	Comorbid Anxiety and Substance Use Disorders	267
	Kathleen Brady	
21	Depression and Substance Use	275
	Clare J. Mackie, Patricia Conrod, and Kathleen Brady	
22	ADHD	285
	Pieter-Jan Carpentier	
23	Autism and Alcoholism’s Genetic Overlap	297
	Judith H. Miles and Denis M. McCarthy	
24	Personality Disorders	311
	Louisa M.C. van den Bosch and Roel Verheul	
25	Schizophrenia and Other Psychotic Disorders	323
	L. Gregg	
26	Posttraumatic Stress Disorder and Psychological Trauma	335
	Julian D. Ford	
27	Seizures, Illicit Drugs, and Ethanol	343
	John C.M. Brust	
28	Medication Overuse Headache: Causes, Consequences, and Treatment	351
	Letizia M. Cupini, Paola Sarchielli, and Paolo Calabresi	
29	Addiction and Parkinson’s Disease	363
	Tatiana Witjas, Jean Philippe Azulay, and Alexandre Eusebio	
30	Sleep and Sleep Disorders	375
	Timothy Roehrs and Thomas Roth	
31	Drug Abuse, Dreams, and Nightmares	385
	Brian Johnson	

32 Drug Abuse in Cardiovascular Diseases	393
F. Furlanello, L. Vitali Serdoz, L. De Ambroggi, and R. Cappato	
33 Liver Disease.....	407
Samir Zakhari, Bin Gao, and Jan B. Hoek	
34 Hyperkinetic Movement Disorders	421
Christopher Hess and Rachel Saunders-Pullman	
35 Alcohol and Cancer.....	431
Helmut K. Seitz and Sebastian Mueller	
36 Fetal Alcohol Spectrum Disorder	443
Andrea R. Kilgour and Albert E. Chudley	
 Part IV Current Issues in Drug Abuse and Addiction	
37 Drug Abuse and Addiction in Elderly	455
Linda Simoni-Wastila and Hui-Wen Keri Yang	
38 Drug Use and Abuse and Human Aggressive Behavior	467
Peter N.S. Hoaken, Vanessa L. Hamill, Erin H. Ross, Megan Hancock, Megan J. Lau, and Jennifer L. Tapscott	
39 Suicidal Behavior in Alcohol and Drug Abuse	479
Leo Sher	
40 Gambling and Drug Abuse.....	489
Nancy M. Petry and Robey Champine	
41 The Role of Parents in Adolescents' Alcohol Use	497
Haske van der Vorst	
42 Legal Aspects of Drug Addiction	505
Malcolm Lader	
43 Occupational Impact of Drug Abuse and Addiction.....	511
Valerie J. Slaymaker	
44 Drugs of Abuse and Traffic Safety.....	523
Renske Penning, Janet Veldstra, Anne P. Daamen, Berend Olivier, and Joris C. Verster	
45 Medical Student and Physician Education in Substance Use Disorders.....	531
Stephen A. Wyatt and Bonnie B. Wilford	
46 School-Based Alcohol and Other Drug Prevention.....	545
Nicola C. Newton, Patricia Conrod, Maree Teesson, and Fabrizio Faggiano	
Index.....	561



<http://www.springer.com/978-1-4614-3374-3>

Drug Abuse and Addiction in Medical Illness

Causes, Consequences and Treatment

Verster, J.; Brady, K.; Galanter, M.; Conrod, P. (Eds.)

2012, XVII, 573 p. 44 illus., 14 illus. in color., Hardcover

ISBN: 978-1-4614-3374-3