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Autore	Johansson, Per-Olov
Titolo	Cost - benefit analysis of environmental change / Per-Olov Johansson
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2. Record Nr.	UNINA9910208845603321
Autore	Chandler Chris <1966->
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Soggetti	Attention-deficit hyperactivity disorder Attention Deficit Disorder with Hyperactivity
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""Dedication""; ""Title page""; ""Copyright page""; ""Boxes, Tables, and Figures""; ""Preface""; ""Acknowledgments""; ""1 What is ADHD?""; ""What Does ADHD Look Like and Who Has It?""; ""ADHD - Two Faces of the Same Coin""; ""The Negative Impact of ADHD""; ""What is ADHD Like?""; ""ADHD: Science and Society""; ""Summary""; ""2 Diagnosis, Epidemiology, and Comorbidity""; ""A Short History of ADHD""; ""Current Diagnosis""; ""DSM-IV vs ICD-10""; ""Is ADHD Real?""; ""Adult ADHD""; ""Is Adult ADHD Real?""; ""Diagnosis and Future Criteria""; ""Assessment""; ""Rating Scales""; ""Epidemiology""; ""Comorbidity - Not Just ADHD""; ""Summary""; ""3 Causality and the Environmental Hypotheses of ADHD""; ""Causality""; ""Animal Models of ADHD""; ""The Environment""; ""Summary""; ""4 Psychological Theories of ADHD""; ""Impulsivity and Behavioral/Response Inhibition""; ""Alerting, Orienting, and Executive Functioning - Separate Circuits in ADHD""; ""Working Memory""; ""The Supervisory Attentional System""; ""Brown's Executive Functioning Model""; ""The Cognitive-Energetic Model""; ""Summary""; ""5 The Genetics of ADHD""; ""The Evidence for (and against) ADHD as a Genetically Inherited Disorder""; ""Evolution and the Continuation of ADHD""; ""Molecular Genetics""; ""Summary""; ""6 The Neuroscience of ADHD""; ""The Brain: A Brief Guide to Development and Neuroanatomy""; ""Regions of the Brain""; ""A Brief Account of Imaging the Brain""; ""The Brain in ADHD""; ""Structural Changes""; ""Gray and White Matter""; ""The Frontal Lobes""; ""The Basal Ganglia""; ""The Cerebellum""; ""Functional Significance""; ""Functional Imaging of ADHD""; ""Psychophysiological Studies""; ""The Fronto-Striatal Circuits""; ""Summary""; ""7 Psychostimulant Treatment of ADHD""; ""A Brief Review of the Neuropharmacology""; ""Pharmacotherapy in ADHD""; ""The Pharmacology and Efficacy of Psychostimulants Used in Treating ADHD""; ""The Pharmacology of Methylphenidate""; ""The Pharmacology of Amphetamine""; ""Clinical Effects of Methylphenidate and Amphetamine""; ""The MTA Study""; ""Side-Effects of Amphetamine and Methylphenidate""; ""Pemoline""; ""Nicotine""; ""Tolerance and Withdrawal""; ""Psychopharmacology: From Treatment to Theory""; ""Hypo/Hyperfunctioning DA in ADHD""; ""Grace's Tonic and the Phasic Account of ADHD""; ""A Dynamic Developmental Theory of ADHD""; ""The Rate-Dependent Hypothesis and the Effects of Psychostimulants""; ""Noradrenaline""; ""Summary""; ""8 Non-Stimulant Medications and Non-Pharmacological Treatments""; ""Non-Stimulant Medications""; ""How Do These Drugs Fit into Theoretical Accounts of ADHD?""; ""Non-Pharmacological Treatments""; ""Alternative Treatments""; ""Summary""; ""9 Addiction, Reward, and ADHD""; ""Addiction""; ""Addiction in ADHD""; ""Are ADHD Subtypes Linked to Any Particular Drugs?""; ""Amphetamines, Methylphenidate, and Addiction""; ""Methylphenidate Treatment and Addiction""

Attention-Deficit Hyperactivity Disorder is a long-term disorder affecting many children and adults. It is also a highly controversial psychiatric disorder; in its cause, its diagnosis, and the effect of diagnosis on the patient. This controversy is exacerbated by the commonly recommended treatment for the condition - Ritalin. The Science of ADHD addresses the scientific status of ADHD in an informed and accessible way, without recourse to emotional or biased viewpoints. The very latest studies are used to present a reasoned account of ADHD and its treatment. The Science of ADHD is highly multidisciplinary, covering the areas of genetics, neuroscience, psychology and treatment. The ever increasing scientific evidence is described and discussed, informing the reader of the limitations of the

science, but also the benefits that scientific enquiry can bring to understanding what goes on in the ADHD brain"--
