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Nota di contenuto	SECTION I Food, Brain function, and Behavior- Chapter 1: Food and brain development (Ramya Nadig) -- Chapter 2: Nutrition and brain functions in Health and Disease (Heba Mansour) -- Chapter 3: Nutrition, cognitive functions, and emotions (Rasoul Ghasemi) -- Chapter 4: Ketogenic diet: Implications for treatment and injury in neuropsychiatry and motor functioning (fatima dakroub) -- Chapter 5: Effects of malnutrition on brain development (Pranshul Sethi) -- Chapter 6: Nutrition, neurotransmitters, and behavior (Sumit Srivastav) -- Chapter 7: OMICS in Schizophrenia and Alzheimer's Disease (Sumit Srivastav) -- SECTION II Psychiatric disorders related to nutrition: deficiency or overload -- Chapter 8: Effects of Depression and Antidepressant Therapy on Serum Zinc Levels (Samer El Hayek) -- Chapter 9: Nutrition and Depression (Ramdas Ransing) -- Chapter 10: Nutritional Deficiencies in Obsessive-Compulsive Disorder and Possible Treatment Interventions (Samer El Hayek) -- Chapter 11: Caffeine, Mental wellbeing, and Psychiatric Disorders (Ahmed Radwan) -- Chapter 12: Biopsychology of chocolate craving (Laura Orsolini) -- Chapter13: Food addiction (Samer El Hayek) -- Chapter 14: Nutrition

and Anxiety disorders (Ramli Musa) -- Chapter 15: Nutrition and substance use disorder (Zehra Batool) -- Chapter 16: Nutrition and Psychiatric Disorders: Focus on Schizophrenia (Heba Mansour) -- Chapter 17: High fat diet and psychiatric disorders: what is the interplay? (Pranshul Sethi).

Sommario/riassunto

The book comprehensively reviews the role of nutrition in psychiatric disorders. It provides mechanistic insights into the effects of nutrition on metabolic pathways, mitochondrial nutrients, neurodegeneration and CNS disorders, cell signaling, and neuronal functions. The book further highlights the role of diet in preventing and treating mental health and modifying drug treatment effects. Further, it explores the relationship between nutrition and psychiatric disorders, including depression, autism, anxiety, Attention-Deficit / Hyperactivity Disorder, and OCD. The book further explores the recent advancements in understanding the important role of nutrients as therapeutics in various psychiatric disorders. Lastly, it presents an overview of nutrients as neuroprotective agents along with the main principles of nutrigenomics. The book is essential reading for neuroscientists interested in food therapeutic strategies.