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Regulations of Vitality in Early Childhood: Stress in Intimate Relationships and Postnatal Psychopathology; EPIGENESIS OF BODY AND BRAIN FOR HEALTH IN SOCIABILITY AND LEARNING; THE IMPORTANCE OF THE CHILD'S VOLITION IN HUMAN COMPANY; REGULATION: BALANCING THE ENERGY BUDGET OF THE BODY IN ACTION STRESS: NATURE, PSYCHOLOGICAL FUNCTIONS, AND STRESS DISORDERSDEVELOPMENT: MUTUAL REGULATIONS IN MORPHOGENESIS OF A HUMAN MIND; EARLY STRESS AND PSYCHOLOGICAL DEVELOPMENT: PROCESSES THAT CAUSE OR RESIST PATHOLOGY; FUTURE DIRECTIONS FOR INFANT MENTAL HEALTH: FOSTERING MOTIVES FOR CONFIDENT REGULATION OF EXPERIENCE IN AFFECTIONATE COMPANIONSHIP; ACKNOWLEDGMENTS; REFERENCES; Chapter 3: Anatomic Brain Imaging Studies of Normal and Abnormal Brain Development in Children and Adolescents; METHODOLOGY; TYPICAL DEVELOPMENT; STUDIES OF ATYPICAL DEVELOPMENT; SUMMARY AND FUTURE DIRECTIONS; REFERENCES Chapter 4: Typical and Atypical Human Functional Brain DevelopmentTHREE PERSPECTIVES ON THE FUNCTIONAL DEVELOPMENT OF THE HUMAN BRAIN; ASSUMPTIONS UNDERLYING THE THREE APPROACHES; PREDICTIONS OF THE THREE APPROACHES; BRAIN IMAGING OF TYPICAL DEVELOPMENT; BRAIN IMAGING OF ATYPICAL DEVELOPMENT; EFFECTS OF EARLY ACQUIRED BRAIN DAMAGE; EFFECTS OF ATYPICAL EARLY EXPERIENCE; CONCLUSIONS; FUTURE DIRECTIONS; ACKNOWLEDGMENTS; REFERENCES; Chapter 5: The Development of the Prefrontal Cortex: The Maturation of Neurotransmitter Systems and Their Interactions CONSTITUTION AND THE ENVIRONMENT AS DETERMINANTS OF PERSONALITY AND VULNERABILITYTHE CORTICOLIMBIC SYSTEM; DEVELOPMENT OF THE CORTICOLIMBIC SYSTEM; THE ROLE OF THE AMYGDALA IN THE PATHOPHYSIOLOGY OFMENTAL DISORDERS; FUTURE DIRECTIONS; CONCLUSIONS; REFERENCES; Chapter 6: Early Nutritional Deficiencies in Brain Development: Implications for Psychopathology; BASIC PRINCIPLES; OVERVIEW; STUDIES ON PSYCHOPATHOLOGY; PRIMER; PRIMER; FUTURE DIRECTIONS; REFERENCES; Chapter 7: Cognitive Neuroscience and the Prefrontal Cortex: Normative Development and Vulnerability to Psychopathology THE PREFRONTAL CORTEX DEFINED

Sommario/riassunto

This volume applies multiple levels of analysis to neurobiological developmental organization, and functioning in normality and psychopathology. It also covers topics central to a developmental perspective on neuroscience.
