

1. Record Nr.	UNINA9910464813303321
Autore	Musalek Martin
Titolo	Development of test batteries for diagnostics of motor laterality manifestation : link between cerebellar dominance and hand performance // Martin Musalek ; reviewed by Pamela Bryden, Jiri Tichy ; from original Czech version translated by Radek Blaheta ; edited by Alena Jirsova ; cover and layout by Jan Serych
Pubbl/distr/stampa	Prague, [Czech Republic] : , : Karolinum Press, , 2014 ©2014
ISBN	80-246-2306-4
Edizione	[First English edition.]
Descrizione fisica	1 online resource (248 p.)
Disciplina	152.335
Soggetti	Laterality - Physiological aspects Neuropsychiatry Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""Contents""; ""Acknowledgements""; ""Aim of this Book""; ""1. Phenomenon Called Laterality""; ""1.1 Laterality as Concept""; ""1.1.1 Asymmetry in Universe""; ""1.1.2 Asymmetry and Chirality in Life System""; ""1.2 Laterality as Characteristic of Human""; ""2. Human Brain""; ""2.1 Structural Hemispheric Asymmetry""; ""2.1.1 Structural Hemispheric Asymmetry in Relation to Gender""; ""2.2 Brain Organization and Motor Control""; ""3. Genetic Models of Right- and Left-Sidedness""; ""3.1 Different Gene Expression in Right and Left Hemisphere as Basis of Neural Hemispheric Asymmetry"" ""3.2 The Annett, Right Shift Theory genetic model of handedness"" 3.3 Genetic Model of Handedness Chris McManus, D and C alleles""; ""3.4 Other Genetic Models of Handedness""; ""4. Environmental Factors as Possible Cause in Change of Laterality at Human""; ""4.1 Birth Stress""; ""4.2 Higher Level of Hormone Testosterone in Uterus""; ""5. Types of Laterality""; ""5.1 Functional Motor Laterality Manifestation""; ""5.1.1 Preference""; ""5.1.2 Performance Expression of Different Skill of Locomotive Organs in Motor Activity""

""5.1.3 Are Preference and Performance Communicating Vessels or Different Attributes?""""5.1.4 Dominance""; ""5.1.5 Laterality of Locomotive and Sensory Organs""; ""5.2 Structural Laterality of Locomotive Organs ""; ""5.3 Structural and Motor Manifestations of Laterality in the Ontogenetic Development of the Individu""; ""5.3.1 Prenatal Asymmetry""; ""5.3.2 Craniofacial Development""; ""5.3.3 Motor Manifestations of Laterality in the Prenatal Period""; ""5.3.4 Postnatal Development of Motor Manifestations of Laterality ""; ""5.3.5 Corpus Callosum and Hemispheric Specialization""

""6. Diagnostics of Motor Laterality Manifestation""""6.1 Diagnostic Tools""; ""6.1.1 Preference Tasks""; ""6.1.2 Preference Self-reported Questionnaires""; ""6.1.2.1 Methodological and Psychometric Shortcomings of the Most Frequently Cited Diagnostic Tool, ""; ""6.1.3 Performance Tests""; ""6.2 Evaluation of Cerebellar Dominance, New Approach for Approximation of Hemispheric Superiority""; ""7. Empirical Research""; ""8. Research Questions""; ""9. Hypotheses""; ""10. Methods""; ""10.1 Definition of Theoretical Concept""; ""10.2 Determination of Specific Theoretical Concepts""

""10.3 Determination of Structure of Diagnostic Tool""""10.4 Creating a Complete List of Relevant Items""; ""10.5 Content Validity ""; ""10.6 First Version of Test Batteries""; ""10.7 Verification of Intelligibility of Items""; ""10.8 The Research Sample and Its Size""; ""10.9 Final versions of Test Batteries Before Collecting the Data""; ""10.10 Data Analysis, Evaluation of Structure""; ""10.11 Approximation of Reliability""; ""11. Structural Equation Modeling (SEM) ""; ""11.1 Introduction""; ""11.2 Types of SEM models""; ""11.3 Confirmatory Factor Analysis (CFA)""

""11.4 Categorical Variables and SEM""
