1. Record Nr. UNINA9910143563403321

Autore	Butler Ann B
Titolo	Comparative vertebrate neuroanatomy [[electronic resource]] : evolution and adaptation / / Ann B. Butler, William Hodos
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Interscience, c2005
ISBN	1-280-27743-2 9786610277438 0-470-30584-3 0-471-73384-9 0-471-73383-0
Edizione	[2nd ed.]
Descrizione fisica	1 online resource (739 p.)
Altri autori (Persone)	HodosWilliam
Disciplina	573.831 573.8331 573.83316
Soggetti	Neuroanatomy Vertebrates - Anatomy Nervous system - Evolution Anatomy, Comparative Nervous system - Adaptation
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	COMPARATIVE VERTEBRATE NEUROANATOMY; Dedication; Contents; Preface; Acknowledgments; List of Boxes; Part One EVOLUTION AND THE ORGANIZATION OF THE CENTRAL NERVOUS SYSTEM; 1 Evolution and Variation; Introduction; Diversity Over Time; Evolutionary Mechanisms; Genetic Factors; Natural Selection; Evolution of the Vertebrate Central Nervous System; Sameness and Its Biological Significance; Analogy; Historical Homology; Homoplasy; Biological Homology; Generative Homology or Syngeny; Analysis of Variation; Cladistic Analysis; Parsimony; Tests of Homology; A Word of Caution; Reconstructing Evolution 2 Neurons and Sensory ReceptorsIntroduction; The Nervous System; Neurons and Sensory Receptors; Transport Within Neurons;

Classification of Neurons; Somata; Dendrites; Axons; Synapses; Chemical Synapses; Neuroactive Substances; Electrical Synapses; Volume Transmission; Neuronal Populations; Golgi Type I and II Cells; Nuclei and Planes of Section; Techniques for Tracing Connections Between Nuclei; Receptors and Senses; How Many Senses?; Receptors and Awareness; Sensory Experience as a Private Mental Event; Sensory Adaptation; Receptor Types; Mechanoreceptors; Radiant-Energy Receptors
ChemoreceptorsNervus Terminalis: An Unclassified Receptor; Electroreceptors; Nociceptors; Magnetoreceptors; Topographic Organization; Receptive Fields; The Senses and Evolution of the Central Nervous System; 3 The Vertebrate Central Nervous System; Introduction; Development of the Brain; Segmental Development of the Vertebrate Brain; Neurogenesis and Migration of Neurons; Cortices and Nuclei; Differing Patterns of Development; Ontogeny and Recapitulation; The Brain and Spinal Cord; Cellular Organization of the Central Nervous System; Regional Organization of the Nervous System The Spinal CordThe Brain; The Meninges and the Ventricular System; Major Systems of the Brain; Sensory Systems; Motor Systems; Nomenclature of the Brain; 4 Vertebrate Phylogeny and Diversity in Brain Organization; Introduction; Vertebrate Phylogeny; Chordate Relationships; Jawless Vertebrates; Chrondrichthyes; Actinopterygii; Sarcopterygii; The Big Picture of Vertebrate Evolution; Two Types of Brain Organization; Laminar Brains (Group I); Elaborated Brains (Group II); Glia and Brain Elaboration; Laminar and Elaborated Brains across Evolution
5 Evolution and Adaptation of the Brain, Behavior, and IntelligencePhylogeny and Adaptation; Phyletic Studies; Adaptation Studies; The Phylogenetic Scale; The Phylogenetic Tree; Complexity and Evolution; Anagenesis; Grades of Evolutionary Advancement; Evolutionary Change; Brain Evolution and Behavioral Adaptation; Brain Size and Brain Allometry; Brain Size and Behavioral Adaptation; Brain Size and Intelligence; What Is Intelligence?; Summary and Conclusions; 6 Theories of Brain Evolution; Introduction; Some Common Assumptions
Previous Theories of Vertebrate Brain Evolution: Addition of Structures or Areas

Sommario/riassunto

Comparative Vertebrate NeuroanatomyEvolution and AdaptationSecond EditionAnn B. Butler and William HodosThe Second Edition of this landmark text presents a broad survey of comparative vertebrate neuroanatomy at the introductory level, representing a unique contribution to the field of evolutionary neurobiology. It has been extensively revised and updated, with substantially improved figures and diagrams that are used generously throughout the text. Through analysis of the variation in brain structure and function between major groups of vertebrates, readers can

2. Record Nr. UNINA9910731462603321

Autore	Riccabona M (Michael)
Titolo	Imaging in Neonates / / edited by Michael Riccabona
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-15729-X
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (480 pages)
Disciplina	618.9200754
Soggetti	Radiology Pediatrics Children - Surgery Critical care medicine Radiography, Medical Pediatric Surgery Intensive Care Medicine Radiography
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction -- Clinical basics and remarks: Why and when do neonatologists need imaging -- Prenatal imaging: What a neonatologist might like to know -- Postnatal imaging in babies with prenatally diagnosed malformations or conditions -- Pre-and postoperative imaging in neonates -- Image guided interventions in newborns -- Neonatal neuroimaging -- Chest and lung imaging in preterms and neonates -- Imaging in the neonatal heart -- Urogenital radiology in neonates -- Imaging the neonatal gastrointestinal tract -- How to image the neonatal musculoskeletal tract -- Neonatal imaging in syndromic or metabolic and inherited disease, hormonal conditions, and other systemic diseases -- Imaging after birth trauma and in suspected non-accidental or inflicted injury.
Sommario/riassunto	This book provides a concise overview of neonatal imaging. After a short clinical introduction on the crucial role of imaging in diagnosing and treating neonatal conditions, it discusses the various methods (ultrasound, digital radiography, fluoroscopy, CT, and MRI) available

and explains in detail how they have to be adapted for neonatal applications. Chapters feature imaging findings and differential diagnoses for the most common neonatal conditions. Additionally, some relevant aspects of foetal imaging are presented. Written by an interdisciplinary team, Imaging in Neonates is a practical resource for daily use in the ward for all medical professionals involved in treating neonates. .