The Neurology of HIV Infection 2018-03-29 The Neurology of HIV Infection covers all aspects of nervous system involvement in HIV-infected individuals. Specialists in this field cover epidemiology, global aspects, pathology and pathogenesis of nervous system disease in HIV-infection. All complications, including the pathology caused by HIV itself and all opportunistic infections of the nervous system are reviewed in detail. Both central nervous and peripheral nervous system complications, including neuropathies and myopathies, are discussed. Key chapters on global developments, HIV-associated neurocognitive disorders, IRIS, stroke and neuro-aids in children complete this volume. Covers all aspects of nervous system involvement and pathology in HIV-infected individuals includes the pathology caused by HIV and all opportunistic infections of the nervous system. Presents key chapters that focus on global developments, HIV-associated neurocognitive disorders, IRIS, stroke and neuro-aids in children.

Encephalitis in children Sics Editore 2014-10-01 All children with suspected encephalitis should be investigated and treated in a hospital. Signs of cerebral tissue damage, i.e. local neurological deficits or focal seizures, may be difficult to identify in a small infant. A febrile and lethargic infant whose behaviour, according to the parents, has changed, should be referred to a hospital.


Textbook of Pediatric Neurology Gerald J. Golden 2012-12-06 Neurological signs or symptoms are present in approximately 20% of all child dren admitted to the hospital. These may be the reason for admission or may be part of preexisting and often unrelated problems. In ambulatory practice, acute neurological disease is not seen as frequently, but issues relating to normal and abnormal development are constantly being faced. For these reasons, familiarity with the progress of normal development and factors interfering with it, as well as knowledge of the major acute and chronic disorders of the nervous and neuromuscular systems, is important for any practitioner, specialist, or generalist who cares for children. The pathophysiology of neurological disorders in childhood is based on the same principles of the organization, structure, and function of the nervous system as apply to adults. Two pitfalls are present for the student, however. First, the abnormalities are superimposed on a changing, developing brain, not a rather static, mature organ. The manifestations of the disease may vary, therefore, in seemingly unpredictable fashion depending on the rate of progression of the disorder and the rate and adequacy of the ongoing developmental changes in the nervous system. The second problem is the large number of unfa miliar conditions, many of which have no counterpart in adult neurology or medicine. These include developmental malformations, disorders specific to the neonatal period, and many hereditary and metabolic diseases.

Manual of Child Neurology Mohammed Jan 2012 Since the last century, remarkable advances at both the basic and clinical levels have considerably improved our ability to evaluate and treat children with neurological disorders. Many cases seen by general pediatricians are primarily neurological accounting for up to 30% of all consultations to pediatrics with a high ratio of follow-up visits to new patients of about 3:1. This manual is a neurology reference for medical students and pediatric residents and is intended to supplement larger textbooks on pediatric neurology already available. Many of undergraduate medical students refer to deficient and oversimplified references that do not enable them to deal with pediatric neurology patients adequately. The manual presents a simplified, organized, and comprehensive problem-based approach to common pediatric neurological disorders directed to the level of medical students, pediatric residents, general practitioners and general pediatricians. This e-book is thus a concise outline with practical tips to facilitate proper diagnosis and management of various neurological disorders. - Publisher.

Pediatric Neurology Olivier Dulac 2013-04-24 The child is neither an adult miniature nor an immature human being: at each age, it expresses specific abilities that optimize adaptation to its environment and development of new acquisitions. Diseases in children cover all specialties encountered in adulthood, and neurology involves a particularly large area, ranging from the brain to the striated muscle, the generation and functioning of which require half the genes of the whole genome and a majority of mitochondrial ones. Human being nervous system is sensitive to prenatal aggression, is particularly immature at birth and development may be affected by a whole range of age-dependent disorders distinct from those that occur in adults. Even diseases more often encountered in adulthood than childhood may have specific expression in the developing nervous system. The course of chronic neurological diseases beginning before adolescence remains distinct from that of adult pathology - not only from the cognitive but also motor perspective, right into adulthood, and a whole area is developing for adult neurologists to care for these children with persisting neurological diseases when they become adults. Just as pediatric neurology evolved as an identified specialty as the volume and complexity of data became too much for the general pediatrician or the adult neurologist to master, the discipline has now continued to evolve into so many subspecialties, such as epilepsy, neuromuscular disease, stroke, malformations, neonatal neurology, metabolic diseases, etc., that the general pediatric neurologist no longer can reasonably possess in-depth expertise in all areas, particularly in dealing with complex cases. Subspecialty expertise thus is provided to some trainees through fellowship programmes following a general pediatric neurology residency and many of these fellowships include training in research. Since the infectious context, the genetic background and medical practice vary throughout the world, this diversity needs to be represented in a pediatric neurology textbook. Taken together, and although brain malformations (H. Sarnt & P. Curatolo, 2007) and oncology (W. Grisold & R. Soffietti) are covered in detail in other volumes of the same series and therefore only briefly addressed here, these considerations justify the number of volumes, and the number of authors who contributed from all over the world. Experts in the different subspecialties also contributed to design the general framework and contents of the book. Special emphasis is given to the developmental aspect, and normal development is reminded whenever needed - brain, muscle and the immune system. The course of chronic diseases into adulthood and ethical issues specific to the developing nervous system is also addressed. A volume in the Handbook of Clinical Neurology series, which has an unparalleled reputation as the world’s most comprehensive source of information in neurology International list of contributors including the leading workers in the field. Describes the advances which have occurred in clinical neurology and the neurosciences, their impact on the understanding of neurological disorders and on patient care.

Disease and Mortality in Sub-Saharan Africa Dean T. Jamison 2006-01-01 Current data and trends in morbidity and mortality for the sub-Saharan Region as presented in this new edition reflect the heavy toll that HIV/AIDS has had on health indicators, leading to either a stalling or reversal of the gains made, not just for communicable disorders, but for cancers, as well as mental and neurological disorders. Bacterial Infections of the Central Nervous System Karen L. Roos 2010-03-03 Bacterial Infections of the Central Nervous System aims to
provide information useful to physicians taking care of patients with bacterial infections in the central nervous system (CNS), which can lead to morbidity and mortality. The increased number of patients suffering from this infection has led to the development of vaccines and antibiotics. Comprised of four chapters, the book explains the general approach to patients with bacterial CNS infection. It also discusses various CNS infection concepts and terms. These include the characteristics of neuroimaging appearance of specific bacterial infections, the limitations of neuroimaging, the cerebrospinal fluid analysis, the pathogenesis and pathophysiology of bacterial CNS infections, the developments of specific adjunctive strategies, and the principles of antimicrobial therapy. It also includes discussions on various diseases that target the CNS, such as meningitis, focal CNS infections, neurological complications of endocarditis, suppurative venous sinus thrombosis, infections in the neurosurgical patient, and CNS diseases caused by selected infectious agents and toxins. This book will serve as a guide for clinical physicians who have patients suffering from bacterial CNS infection.

Textbook of Neurointensive Care A Joseph Layon 2013-08-15 This updated and refined new edition is the only book to provide a comprehensive approach to the intensive care of neurologically injured patients from the emergency room and ICU through the operating room and post-surgical period. It reviews neuroanatomy, neuroradiology, and neurophysiology, examines the neurological problems most frequently seen in intensive care, and describes the various types of neurosurgery. General issues such as electrolytes, nutrition, and monitoring as well as more specific conditions and complications including elevated intracranial pressure, seizures, and altered mental states.

Pediatric Neurology Part I Fenella J. Kirkham 2013-04-24 Coma must persist for at least 1 hour to distinguish it from transient unconsciousness. Traumatic and nontraumatic coma are common problems in pediatric practice with high mortality and morbidity. Emergency neuroimaging is worthwhile even when etiology is known, as treatable complications, such as venous sinus thrombosis, as well as extradural and intracerebral hemorrhage, are commonly diagnosed. There is a wide range of possible etiologies in the previously well child, most of which may be diagnosed from neuroimaging and laboratory testing available as an emergency, or can be treated presumptively, e.g., with antimicrobials for infections. The modified Child's Glasgow Coma Scale (GCSS) for recording depth of consciousness in children is widely used and should be supplemented by examination for the signs of reversible central and uncal brainstem herniation due to acute intracranial hypertension. An evidence-based guideline for the investigation and management of decreased level of consciousness in children, written by an expert panel using the DELPHI principles, is available. Monitoring and rehabilitation should also be part of the management plan. Etiology, depth and duration of coma, and serial neurophysiology and imaging are predictors of outcome in survivors but must be interpreted cautiously. There are no reports of children meeting adult brain death criteria making good neurological recovery.

Current Management in Child Neurology Bernard L. Maria 1999 In this work, experts contribute their personal protocols for dealing with the neurologic disorders seen in practice. Three major sections comprise this book: section one presents clinical practice trends, including the neurologic examination; section two covers the office visit, organized by leading workers in the field Describes the advances which have occurred in clinical neurological and the neurosciences, their impact on the understanding of neurological disorders and on patient care addressed from both perspectives. The book covers the complete continuum of care from assessment, monitoring, and condition specific management through rehabilitation. Early chapters present differential diagnosis and management approaches to common overarching problems such as coma, headache, and elevated intracranial pressure, followed by chapters focusing on the evaluation and management of specific conditions including traumatic brain injury, stroke, seizures, central nervous system infections, and demyelinating disorders. The final chapters address important associated psychological, social, and ethical issues. To reflect the full spectrum of specialties involved in the burgeoning field of pediatric neurocritical care, the book brings together an international group of experts from multiple disciplines including critical care medicine, anesthesiology, neurology, neurosurgery, rehabilitation medicine, psychology, and pediatric subspecialties. Pediatric Neurocritical Care features. Every topic is addressed from a neurologic and critical care perspective. Content includes an evidence-based guideline for the management of specific conditions, in addition to discussion of related psychological, ethical, and social issues. Chapters are written by internationally known experts from the fields of critical care medicine, anesthesiology, neurology, neurosurgery, rehabilitation medicine, and many affiliated specialties.

Neurological Manifestations of Systemic Diseases in Children Avraham Steinberg 1993 This clinical reference focuses on the neurological complications that accompany many systemic disorders in paediatric patients. It is intended to help in recognizing, understanding and managing such problems as ataxia related to chicken pox and leg pain related to diabetes mellitus.

Pediatric Neurology Olivier Dulac 2013-04-23 The child is neither an adult miniature nor an immature human being: at each age, it expresses specific abilities that optimize adaptation to its environment and development of new acquisitions. Diseases in children cover all specialties encountered in adulthood, and neurology involves a particularly large area, ranging from the brain to the striated muscle, the generation and functioning of which require half the genes of the whole genome and a majority of mitochondrial ones. Human being nervous system is sensitive to prenatal aggression, is particularly immuno-dependent at birth and development may be affected by a whole range of age-dependent disorders distinct from those that occur in adults. Even diseases more often encountered in adulthood than childhood may have specific expression in the developing nervous system. The course of chronic neurological diseases beginning before adolescence remains distinct from that of adult pathology - not only from the cognitive but also motor perspective, right into adulthood, and a whole area is developing for adult neurologists to care for these children with persisting neurological diseases when they become adults. Just as pediatric neurology evolved as an identified specialty as the volume and complexity of data became too much for the general pediatrician or the adult neurologist to master, the discipline has now continued to evolve into so many subspecialties, such as epilepsy, neuromuscular disease, stroke, malformations, neonatal neurology, metabolic diseases, etc., that the general pediatric neurologist no longer can reasonably possess in-depth expertise in all areas, particularly in dealing with complex cases. Subspecialty expertise thus is provided to some trainees through fellowship programmes following a general pediatric neurology residency and many of these fellowships include training in research. Since the infectious context, the genetic background and medical practice vary throughout the world, this diversity needs to be reflected in a pediatric neurology training. Taken together, malformations (H. Sarnat & P. Curatolo, 2007) and oncology (W. Grisold & R. Soffietti) are covered in detail in other volumes of the same series and therefore only briefly addressed here, these considerations justify the number of volumes, and the number of authors who contributed from all over the world. Experts in the different subspecialties also contributed to design the general framework and contents of the book. Special emphasis is given to the developmental aspect, and normal development is reminded whenever needed - brain, muscle and the immune system. The course of chronic diseases into adulthood and ethical issues specific to the developing nervous system are also addressed. A volume on the perspective of Clinical Neurosciences, which has an unparalleled reputation as the world's most comprehensive source of information in neurology International list of contributors including the leading workers in the field Describes the advances which have occurred in clinical neurological and the neurosciences, their impact on the understanding of neurological disorders and on patient care.
A Handbook of Neurological Investigations in Children Mary D. King 2009-09-15 Neurological disorders in children are common: families want to know what is wrong, why it happened, and whether it will happen again. Management and treatment depend on establishing the diagnosis, which usually requires investigations, but the number of possible neurological investigations is now very large indeed, and uncritical investigations may be seriously misleading and often costly. This book, based on the authors’ vast combined personal experience, gives practical guidance on how to target any specific condition with the minimum of time and effort. The detailed historical and examination, introducing the problems that beset those who deal with neurological disorders in childhood. Part 2 outlines the investigations available to solve these diagnostic problems. Part 3 takes a problem-oriented approach to the most appropriate investigations in the various clinical scenarios that may present to the practitioner: the starting point is the patient’s presentation, not the diagnosis. Throughout, vignettes of real cases help to illustrate the use of the tests in different clinical situations. The authors co-wrote the hugely popular Handbook of Neurological Investigations ("the Blue Book") 20 years ago. The book was followed closely by the highly successful approach of the earlier title, through the use of fresh material, new case vignettes, and additional investigations covered.

Neurological, Psychiatric, and Developmental Disorders Institute of Medicine 2001-01-01 Brain disordersâ€”neurological, psychiatric, and developmentalâ€”now affect at least 250 million people in the developing world, and this number is expected to rise as life expectancy increases. Yet public and private health systems in developing countries have paid relatively little attention to brain disorders. The negative attitudes, prejudice, and stigma that often surround many of these disorders have contributed to this neglect. Lacking proper diagnosis and treatment, millions of individuals live with disability and death. Such conditions exact both personal and economic costs on families, communities, and nations. The report describes the causes and risk factors associated with brain disorders. It focuses on six representative brain disorders that are prevalent in developing countries:

developmental disabilities, epilepsy, schizophrenia, bipolar disorder, depression, and stroke. The report makes detailed recommendations of ways to reduce the toll exacted by these six disorders. In broader strokes, the report also proposes six major strategies toward reducing the overall burden of brain disorders in the developing world.

Pediatrics Mohsen Ziai 1990 Neurological Disorders of Children 1992 Sleep in Childhood Neurological Disorders Suresh Kotagal, MD 2011-01-27 Sleep in Childhood Neurological Disorders addresses the myriad sleep-wake issues associated with neurological disturbances from the newborn period through adolescence. The editors and contributing authors are internationally recognized authorities who cover everything from sleep and ADHD, headaches, restless leg syndrome, parasomnias, hypersonias, autism, brain tumors, epilepsy, traumatic brain injury, and other primary disorders to sleep co-morbidities, assessment, testing, interventions, pharmacology and more. The first book devoted to the growing field of pediatric neurosonomology, Sleep in Childhood Neurological Disorders is an invaluable tool for clinicians looking for current information and practical guidance to successfully manage their pediatric sleep patients. Sleep in Childhood Neurological Disorders features Dedicated focus on neurologically-based sleep disorders in children Diagnostic tables, key points, clinical pearls, and treatment algorithms throughout to enhance clinical utility Directions for "Future Research" in each chapter highlight promising studies and new therapies Broad-based coverage of the full range of common sleep disorders and co-morbidities

Pediatric Neurology for the House Officer Howard L. Weiner 1988 Pediatric Neurology Maja Steina 2013-04-23 Cerebrovascular problems in children represent an invaluable tool for clinicians looking to the brain and occur with an overall frequency of from 5 to 8/100000 children/year. Signs and symptoms at manifestation are manifold. They depend not only on localization of the infarction but also on age at injury and specific risk factors. Acute arterial ischemic insult in neonates is oligosymptomatic (short-lasting seizures); hemiparesis is the most common symptom in children. Risk factors are multiple for both neonates and children, with more thromboembolic events in neonates and (infection-related) vasculopathies or cardiac problems in children. MRI (diffusion weighted) is the standard gold for diagnosis. In the absence of evidence for treatment in both groups, guidelines suggest use of platelet aggregation. There are some special indications for autoantibody. Thrombolytic should be evaluated. Two-thirds of children and neonates face lifelong neurological and neuropsychological problems. Sinus venous thromboses are significantly less common. Provoking factors in newborns are mainly neonatal problems, and in children infections, especially in the ENT region. For diagnosis the delta sign in CT is less sensitive than MR/MRI venography. In the absence of any evidence, LMWH or heparinization for 3–6 months are recommended. Prognosis depends for the neonates. Deep vein thrombosis and/or young age worsen the outcome.

Pediatric Neurology Peter Louis Heilbroner 2007 Geared to primary care practitioners, this straightforward, practical guide focuses on evaluation and management of common pediatric neurologic conditions. Coverage includes routine disorders such as headaches, ADHD and school problems, autism, seizures, developmental delays, behavioral problems, tics, changes in gait, and dizziness, as well as neurologic conditions encountered in the emergency room. The authors address everyday questions such as how to distinguish serious from non-serious conditions, whether or not to order an EEG or MRI, what to do when a child does not respond to medication, and how to discuss common concerns with parents. Each chapter includes typical case studies.

Fungal Infections of the Central Nervous System Mehmet Turgut 2019-07-05 This book provides comprehensive information on fungal infections of the central nervous system (CNS). Fungal infections are still a major public health challenge for most of the developing world and even for developed countries due to the rising numbers of immune compromised patients, refugee movements, and international travel. Although fungal infections involving the CNS are not particularly common, when they do occur, the results can be devastating in spite of recent advances in medical research and availability of new treatments. Further, over the past several years, the incidence of these infections has seen a steep rise among immunodeficient patients. In this context, aggressive surgery remains the mainstay of management, but conservative antifungal drug treatment complemented by aggressive surgical debridement may be necessary. Yet the optimal management approach to fungal infections of the CNS remains controversial, owing to the limited individual experience and the variable clinical course of the conditions. Addressing that problem, this comprehensive book offers the ideal resource for neurosurgeons, neurologists and other specialists working with infectious diseases.

Pocket Pediatrics Paritosh Prasad 2013-06-04 Prepared by residents and attending physicians at Massachusetts General Hospital, this pocket-sized loose leaf binder is created in the style of Pocket Medicine, one of the best-selling references for medical students, interns, and residents, and focuses on Pediatrics. This product can be used on the wards and for candidates reviewing for pediatric board exams. In bulleted lists, tables, and algorithms, Pocket Pediatrics provides key clinical information about common pediatric problems in cardiology, pulmonology, gastroenterology, nephrology, hematoma-oncology, infectious diseases, endocrinology, rheumatology, and neurology as well as the well patient and the patient in ICU. There is also a 4-color insert chapter, containing pediatric clinical images and diagrams. The book is portable to be carried with students, residents, and physicians and allows users to add their own notes.

Infections in Children, An Issue of Infectious Disease Clinics of North America, E-Book
Jason G. Newland 2018-02-09
The Guest Editors have compiled a comprehensive issue that addresses the current clinical diagnosis, treatment, and management of infections in children. Top authors in their field have written review articles on the following topics: Update on Varicella Zoster Virus in Children; Emerging Respiratory Viruses in Children; Bronchiolitis in Children; Antimicrobial resistance in pediatrics in Children; New updates in influenza vaccination in Children; Changing epidemiology of CAP in Children; Zika Virus in Children; Ebola Virus in Children; Infections in Children on biologics; New rapid diagnostics in Children; Infections in HSCT Children; Changing epidemiology of H. influenzae infections in Children; Norovirus in Children; PEP in children; Syphilis in Children; Encephalitis in Children; and Malaria in Children. Infectious disease physicians will have the most current and up-to-date best practice information in their field.

Child and Adolescent Neurology for Psychiatrists
Audrey M. Walker 2008
Completely revised for its Second Edition, this text is geared to residents and fellows training in child and adolescent psychiatry and those preparing for board examinations in both general and child psychiatry. The book covers common neurologic disorders seen in the pediatric population, their presentation, including psychiatric symptoms, and their workup, diagnosis, and treatment. Coverage includes psychiatric comorbidities in pediatric neurologic disorders and psychiatric side effects of medications used to treat pediatric neurologic disorders. Case presentations demonstrate the diagnostic approach to patients in pediatric neurology and on the interface of pediatric neurology and psychiatry. Practice questions offer excellent review for board certification and recertification examinations. A glossary is also included.

Diseases of the Brain, Head and Neck, Spine
2020-2023 Juerg Hodler
This open access book offers an essential overview of brain, head and neck, and spine imaging. Over the last few years, there have been considerable advances in this area, driven by both clinical and technological developments. Written by leading international experts and teachers, the chapters are disease-oriented and cover all relevant imaging modalities, with a focus on magnetic resonance imaging and computed tomography. The book also includes a synopsis of pediatric imaging. IDK books are rewritten (not merely updated) every four years, which means they offer a comprehensive review of the state-of-the-art in imaging. The book is clearly structured and features learning objectives, abstracts, subheadings, tables and take-home points, supported by design elements to help readers navigate the text. It will particularly appeal to general radiologists, radiology residents, and interventional radiologists who want to update their diagnostic expertise, as well as clinicians from other specialties who are interested in imaging for their patient care.

Neurological Problems in Childhood
Neil Gordon 1993-06-14
The book is well written and covers a wide range of topics in a clear and concise manner. It is an excellent resource for both trainees and experienced neurologists. The book is also well referenced and provides a good balance of clinical and research information.

Neurologic Infections in Children
William Edward Bell 1981
The Neurology of AIDS
Howard E. Gendelman, MD 2011-11-29
The Neurology of AIDS is the only complete textbook available on AIDS neurology and the only one comprehensive enough to stand alone in each segment of study. It contains a detailed discussion of each AIDS-related immunodeficiency virus. It is an indispensable resource for students, resident physicians, practicing physicians, and for researchers and experts in the HIV/AIDS field. Oxford Clinical Neuroscience is a comprehensive, cross-searchable collection of resources offering quick and easy access to eleven of Oxford University Press's prestigious neuroscience texts. Joining Oxford Medicine Online these resources offer students, specialists and clinical researchers the best quality content in an easy-to-access format.

Case Studies in Neurological Infections of Adults and Children
Tom Solomon 2019-03-21
The global burden of neurological infectious diseases is huge. Sometimes the diagnosis is straightforward. On other occasions it may be difficult, especially because of the overlap with inflammatory neurological conditions. Delays or missed diagnoses can have devastating consequences for patients. This book brings together adult and pediatric clinical cases in neurological infection and inflammation, including important conditions for both developed countries and resource-poor settings. Clinical case studies are recognized as a useful tool for clinical training and will be an important part of the training in their careers. Each real case works through the history, examination, and investigation findings to the diagnosis and treatment pathway. This is followed by discussion of the key issues, with the inclusion of historical or quirky facts. Many cases are supported online by a certified post-case quiz, testing the reader's clinical reasoning, integrative thinking, and problem-solving.

Meningitis and Encephalitis
Rodrigo Hasbun 2018-07-19
Meningitis and Encephalitis are associated with high rates of mortality and neurological sequelae. The differential diagnosis includes a wide spectrum of infectious and non-infectious etiologies, some requiring urgent therapy for survival. The current management challenges in patients with meningitis and encephalitis include a low sensitivity of meningal signs, overutilization of unnecessary screening cranial imaging, delays in diagnosis of urgent treatable causes, a large proportion of unknown etiologies, low sensitivity of current microbiological techniques, especially in the setting of previous antibiotic therapy, underutilization of available molecular diagnostic tests, and empiric antibiotic therapy and hospitalization for viral meningitis cases. Even though there are published guidelines, compliance with them is not optimal and physicians do not follow standardized algorithms in their empirical approach. As meningitis and encephalitis is associated with high rates of adverse clinical outcomes, prevention, when feasible is of utmost importance. Adherence to protocols to prevent health-care associated meningitis and ventriculitis are effective but compliance with them is not uniformly performed. This book seeks to improve outcomes for meningitis and encephalitis cases handled by physicians who may or may not be thoroughly trained for these challenges. The text introduces the current guidelines but also discusses the gaps that leave clinicians struggling to implement the most appropriate approaches for these particular neurological infections. Each chapter delivers the tools necessary to identify and adhere to the most appropriate diagnostic technique, management protocols, and prevention approach for each situation. All chapters conclude with discourse on future directions in research and quality improvement. Written by experts in infectious diseases, the book covers topics that are the most devastating, including healthcare-acquired infections, autoimmune encephalitis, and infections as they present in HIV patients. Meningitis and Encephalitis is a well-rounded resource for all medical professionals encountering these neurological syndromes, including infectious disease specialists, neurologists, primary care physicians, and immunologists.

Immunization Safety Review
Institute of Medicine 2002-10-17
Immunization to protect infants and children from vaccine-preventable diseases is one of the greatest achievements of public health. Immunization is not without risks, however. It is well established, for example, that the oral polio vaccine can cause paralytic polio. The Immunization Safety Review Committee was established by the Institute of Medicine (IOM) to evaluate the available evidence on a series of immunization safety concerns. The committee is charged with examining three immunization safety hypotheses each year during the three-year study period (2001-2003). While all of the committee members share the view that immunization is generally beneficial, none of them has a vested interest in the specific immunization safety issues that come before the group. In this report, which is the fourth in this series, the committee examines the hypothesis that the hepatitis B vaccine increases the risk for demyelinating disorders of the central or peripheral nervous systems, including multiple sclerosis (MS) and Guillain-Barré syndrome (GBS).