

spina bifida bowel management adults

Spina Bifida Bowel Management Adults: Navigating Challenges and Enhancing Quality of Life

spina bifida bowel management adults is a crucial topic that often doesn't get the attention it deserves. For adults living with spina bifida, managing bowel function can be one of the most persistent and complex challenges they face. Unlike children, adults with spina bifida must adapt to new routines, changes in their bodies, and the demands of independent living, all while maintaining dignity and control over their bowel health. Understanding effective strategies, tools, and lifestyle adjustments can significantly improve day-to-day life and overall well-being.

Understanding Spina Bifida and Its Impact on Bowel Function

Spina bifida is a birth defect where the spinal column does not close completely during fetal development, resulting in nerve damage that often affects mobility and bodily functions. One of the common complications is neurogenic bowel dysfunction. This condition happens because the nerves that control the bowel muscles are impaired, leading to difficulties with bowel movements, constipation, or incontinence.

For adults with spina bifida, bowel management is more than just preventing accidents; it's about maintaining independence, preventing complications like hemorrhoids or urinary tract infections, and improving overall quality of life. Since the nervous system damage varies greatly among individuals, bowel management must be highly personalized.

Common Challenges in Bowel Management for Adults with

Spina Bifida

Living with neurogenic bowel dysfunction involves overcoming several hurdles. The severity and type of bowel issues can differ—some adults struggle with constipation, others with fecal incontinence, and some experience a mix of both. These challenges can affect social interactions, mental health, and even employment opportunities.

Physical Limitations and Accessibility

Limited mobility can make traditional bathroom routines difficult. For example, transferring to the toilet or managing clothing independently may require assistance or adaptive equipment. Additionally, some adults may face challenges with hand dexterity, complicating self-care tasks like digital stimulation or catheterization.

Dietary and Hydration Concerns

Diet plays a vital role in bowel health. Adults with spina bifida often need to carefully balance fiber intake, fluid consumption, and meal timing to promote regular bowel movements. However, dietary restrictions due to other health concerns or personal preferences can complicate this balance.

Psychological and Emotional Impact

Bowel management can be a sensitive topic, and difficulties with it might lead to embarrassment, anxiety, or social withdrawal. Adults managing spina bifida bowel issues may fear accidents in public or worry about odor and hygiene, which can affect their confidence and willingness to engage in social activities.

Effective Bowel Management Strategies for Adults with Spina Bifida

While challenges are real, many adults with spina bifida successfully manage their bowel health through a combination of techniques and support. Developing a consistent routine and using appropriate tools can make a significant difference.

Establishing a Consistent Bowel Routine

Consistency is key in managing neurogenic bowel. Setting aside specific times each day for bowel care helps train the body and reduces unexpected accidents. Many adults find success with morning or evening routines that incorporate bowel stimulation techniques.

Diet and Fluid Intake

A diet rich in fiber—found in fruits, vegetables, whole grains, and legumes—helps promote softer stools and easier bowel movements. Drinking adequate fluids, particularly water, is equally important to prevent constipation. Consulting with a nutritionist familiar with spina bifida can help tailor a diet plan that meets individual needs.

Use of Bowel Care Techniques and Tools

Adults with spina bifida often use a variety of tools and methods to assist bowel management:

- **Digital Stimulation:** A technique where a caregiver or the individual stimulates the rectum with a

finger to trigger bowel movement.

- **Suppositories and Enemas:** Medications inserted into the rectum to soften stool or induce bowel evacuation.
- **Transanal Irrigation (TAI):** A method using water to flush out the colon, often providing more predictable bowel emptying.
- **Medications:** Stool softeners, laxatives, or motility agents may be prescribed to manage constipation or loose stools.

Using these techniques in a structured way can help maintain regularity and reduce the risk of accidents.

Adaptive Equipment and Accessibility Aids

To aid independence, many adults rely on assistive devices like grab bars, raised toilet seats, or commode chairs. For those with limited hand function, specialized gloves or adaptive tools can make digital stimulation or suppository insertion easier.

Working with Healthcare Professionals

A multidisciplinary approach often yields the best results. Regular consultations with healthcare providers who understand the complexities of spina bifida are essential. This team may include:

- **Gastroenterologists** specializing in neurogenic bowel dysfunction

- **Rehabilitation specialists** and occupational therapists
- **Nutritionists** to optimize diet and hydration
- **Urologists** since bladder and bowel functions are often interconnected

Tailoring bowel management plans to individual needs, monitoring progress, and adjusting strategies over time helps optimize outcomes.

Importance of Psychological Support

Addressing the emotional and psychological aspects of bowel management is equally important. Mental health professionals can provide counseling and coping strategies to manage anxiety or depression related to bowel dysfunction. Support groups, both in-person and online, offer a sense of community and shared experience.

Adapting to Life Changes: Bowel Management Over Time

As adults with spina bifida age, their bowel management needs may evolve. Changes in mobility, additional health issues, or lifestyle shifts can impact bowel function. Staying proactive by reassessing routines and maintaining open communication with healthcare providers ensures continued effectiveness.

Pregnancy, for example, introduces new challenges for women with spina bifida, requiring adjustments in bowel care to accommodate hormonal changes and physical stress.

Travel and Social Life Considerations

Managing bowel care on the go can be daunting. Planning ahead by identifying accessible restrooms, carrying necessary supplies, and allowing extra time for routines can reduce stress. Building confidence in managing bowel health encourages social participation and travel, enhancing quality of life.

Innovations and Future Directions in Bowel Management

Emerging technologies and research offer hope for improved bowel management solutions. Electrical stimulation devices, biofeedback therapy, and improved irrigation systems are being explored to enhance control and convenience.

Telehealth services also provide greater access to specialists, allowing adults with spina bifida to receive expert guidance regardless of location.

Navigating bowel management as an adult with spina bifida is undoubtedly complex, but with the right knowledge, support, and tools, it's possible to lead a fulfilling, active life. Embracing personalized routines, staying connected with healthcare providers, and seeking support when needed helps turn a challenging aspect of spina bifida into a manageable part of everyday life.

Frequently Asked Questions

What is spina bifida bowel management in adults?

Spina bifida bowel management in adults involves a set of strategies and treatments designed to help

individuals with spina bifida control bowel function, prevent constipation, and manage fecal incontinence.

Why is bowel management important for adults with spina bifida?

Bowel management is crucial for adults with spina bifida because nerve damage can impair bowel function, leading to constipation, fecal incontinence, and decreased quality of life. Proper management helps maintain social independence and health.

What are common bowel management techniques used by adults with spina bifida?

Common techniques include scheduled toileting, use of suppositories or enemas, digital stimulation, dietary adjustments, increased fluid intake, and in some cases, medications or surgical interventions.

How can diet influence bowel management in adults with spina bifida?

A high-fiber diet combined with adequate hydration helps promote regular bowel movements and prevent constipation, which is a common issue for adults with spina bifida.

Are there surgical options available for bowel management in adults with spina bifida?

Yes, surgical options such as the Malone Antegrade Continence Enema (MACE) procedure or colostomy may be considered for individuals with severe bowel management challenges who do not respond to conservative treatments.

How often should adults with spina bifida perform bowel management routines?

Bowel management routines are typically performed daily or every other day, depending on individual needs and the specific regimen prescribed by healthcare providers.

Can physical activity improve bowel function in adults with spina bifida?

Yes, regular physical activity can stimulate bowel motility and help improve overall digestive health, which supports better bowel management outcomes.

What role do healthcare professionals play in spina bifida bowel management for adults?

Healthcare professionals, including gastroenterologists, rehabilitation specialists, and nurses, provide assessment, develop individualized bowel programs, monitor progress, and adjust treatments to optimize bowel function.

Are there any new or emerging treatments for bowel management in adults with spina bifida?

Emerging treatments include advances in neuromodulation therapies, improved surgical techniques, and personalized medicine approaches aiming to enhance bowel control and quality of life for adults with spina bifida.

Additional Resources

Spina Bifida Bowel Management Adults: Navigating Complex Challenges with Tailored Strategies

Spina bifida bowel management adults represents a multifaceted and critical aspect of healthcare for individuals living with this congenital neural tube defect. As spina bifida affects the spinal cord's development, it often results in neurological impairments that interfere with normal bowel function, necessitating specialized management approaches well into adulthood. This article explores the complexities of bowel management in adults with spina bifida, examining current strategies, challenges, and emerging trends in care, while emphasizing the importance of individualized,

multidisciplinary interventions.

Understanding Spina Bifida and Its Impact on Bowel Function

Spina bifida is a birth defect characterized by incomplete closure of the spinal column, which can lead to varying degrees of paralysis and sensory loss below the lesion level. One of the most pervasive complications in affected individuals is neurogenic bowel dysfunction, which manifests as constipation, fecal incontinence, or a combination of both. These symptoms arise due to impaired innervation of the bowel muscles and pelvic floor, resulting in altered motility, sensation, and sphincter control.

In adults with spina bifida, bowel management remains a lifelong concern, with significant implications for quality of life, independence, and social participation. Unlike pediatric patients, adults often face additional challenges, such as comorbid conditions, changes in lifestyle, and psychological factors, which can complicate bowel care routines.

Challenges in Bowel Management for Adults with Spina Bifida

Managing bowel dysfunction in this population is inherently complex due to the interplay of neurological deficits, anatomical variations, and individual lifestyle needs. Some of the key challenges include:

1. Variability in Neurological Impairment

The level and severity of spinal cord involvement vary widely among patients, influencing bowel function outcomes. For example, individuals with higher-level lesions may experience more profound loss of sensation and motor control, leading to severe constipation and incontinence. This heterogeneity necessitates personalized management plans rather than standardized protocols.

2. Maintaining Consistency in Bowel Programs

Consistency and adherence to bowel regimens are critical for effectiveness. However, adults with spina bifida often encounter difficulties maintaining strict schedules due to employment, social activities, or fatigue. Irregularities can exacerbate bowel symptoms and increase the risk of complications such as impaction or autonomic dysreflexia.

3. Psychological and Social Considerations

Bowel incontinence and constipation can have profound psychosocial impacts, including embarrassment, anxiety, and social withdrawal. Adults may experience stigma or reduced self-esteem, which affects their willingness to seek assistance or comply with bowel care routines.

4. Physical Limitations and Mobility Issues

Reduced mobility can hinder access to bathroom facilities or complicate the use of certain bowel management devices. This factor must be considered when designing individualized care plans to enhance independence and comfort.

Current Approaches to Bowel Management in Adults with Spina Bifida

Effective bowel management strategies aim to achieve regular, controlled evacuation to minimize incontinence episodes and improve overall well-being. Interventions typically encompass dietary modifications, pharmacological therapies, mechanical aids, and sometimes surgical options.

Dietary and Lifestyle Interventions

Optimizing fiber intake and hydration plays a foundational role in bowel management. Adults with spina bifida are encouraged to consume a balanced diet rich in soluble and insoluble fiber to promote stool bulk and regularity. Additionally, scheduled meal times can help synchronize bowel movements with the gastrocolic reflex.

Physical activity, tailored to individual capabilities, may also enhance gastrointestinal motility. However, limitations in mobility often require creative adaptations, such as assisted exercises or positioning techniques.

Pharmacological Treatments

Medications are frequently employed to regulate bowel function. These include:

- **Laxatives:** Various classes such as bulk-forming, osmotic, stimulant, and stool softeners are used depending on symptom profiles.
- **Suppositories and Enemas:** These agents facilitate rectal emptying by stimulating peristalsis or softening stool, often incorporated into scheduled bowel programs.

Selecting appropriate pharmacotherapy requires careful monitoring to avoid dependency or adverse effects like electrolyte imbalances.

Mechanical and Device-Assisted Techniques

For many adults, manual evacuation methods or the use of devices can enhance bowel clearance.

Common mechanical approaches include:

- **Digital Stimulation:** Involving manual stimulation of the rectum to trigger bowel movements.
- **Transanal Irrigation (TAI):** A technique that introduces water into the colon via the rectum to induce evacuation, increasingly favored for its effectiveness in reducing incontinence and improving quality of life.
- **Colostomy:** In refractory cases, surgical creation of a stoma may be considered to bypass dysfunctional bowel segments.

These options require education and support to ensure safe and consistent use.

Multidisciplinary Care and Support Systems

Optimal bowel management involves collaboration among neurologists, gastroenterologists, physical therapists, continence nurses, and psychologists. Regular assessments and adjustments to bowel programs help accommodate changes in health status or lifestyle.

Psychological support, including counseling and peer groups, can address emotional challenges and promote adherence to management plans.

Emerging Trends and Innovations in Bowel Management

Advances in technology and clinical research continue to shape bowel care for adults with spina bifida.

Noteworthy developments include:

Neuromodulation Therapies

Techniques such as sacral nerve stimulation and tibial nerve stimulation are being explored for their potential to modulate neural pathways and improve bowel control. While still under investigation, early results suggest promise in reducing constipation and incontinence symptoms.

Personalized Medicine Approaches

With increasing understanding of individual variability in neurogenic bowel dysfunction, personalized treatment regimens based on genetic, anatomical, and lifestyle factors are gaining traction. This approach aims to maximize efficacy while minimizing side effects.

Digital Health and Telemedicine

Remote monitoring tools and telehealth consultations facilitate continuous support, education, and timely adjustments to bowel management plans. These technologies empower adults with spina bifida to engage more actively in their care and overcome barriers related to mobility or geographic location.

Optimizing Quality of Life Through Effective Bowel Management

The overarching goal of bowel management in adults with spina bifida is to enhance autonomy, dignity, and participation in daily activities. Achieving this requires not only clinical interventions but also a holistic appreciation of the individual's needs, preferences, and social context.

Care providers must balance the benefits and drawbacks of available treatments, considering factors such as invasiveness, maintenance burden, risk of complications, and impact on lifestyle. Engaging patients as active partners in decision-making fosters adherence and satisfaction with bowel programs.

Ultimately, bowel management remains a dynamic and evolving field within spina bifida care.

Continued research, education, and innovation are essential to address the unique challenges faced by adults living with this condition and to improve their long-term health outcomes.

[Spina Bifida Bowel Management Adults](#)

spina bifida bowel management adults: Management of Fecal Incontinence for the Advanced Practice Nurse Donna Z. Bliss, 2025-08-28 This second edition describes the management of fecal incontinence from an advanced practice nursing perspective using the latest and best available evidence. The book is written by a group of interdisciplinary, international experts on fecal incontinence. Authors' objectives are to disseminate information about evidenced-based nursing care for the incontinent patient to assist nurses to provide high quality care, reduce incontinence, and improve patients' quality of life. The book is structured in chapters whose content has been updated since the first edition. It addresses assessment and management of fecal incontinence in various patient groups, paralleling the delivery of care. Case studies are provided. Normal defecation and mechanisms to promote continence are explained to improve understanding of alterations resulting in fecal incontinence. The epidemiology of fecal incontinence is summarized to illustrate the scope of the problem. There is a chapter about the assessment and management of skin problems commonly associated with fecal incontinence with recommendations for assessing them on darkly pigmented skin. New chapters about the impact of the COVID-19 pandemic on continence care, selection and use of absorbent products, and a horizon scan of technologies for managing fecal incontinence have been added. All chapters highlight key information in a box or table. The intended readers are international advanced practice nurses who care for patients with incontinence and continence nurse specialists practicing at a general level. General nurses or nursing students interested in continence care might also be interested in the book. Readers from other healthcare disciplines can learn more about the role of the advanced practice nurse in continence care.

spina bifida bowel management adults: *Spina Bifida and Craniosynostosis* Branislav

Kolarovszki, Raffaella Messina, Valeria Blè, 2021-06-23 This book is a comprehensive overview of spina bifida and craniosynostosis with emphasis on new trends in the management of these diseases. Chapters on spina bifida cover such topics as the etiology and pathophysiology of caudal neural tube defects, the overall management of pediatric patients with spina bifida, surgical treatment, and urological and orthopedic care. The chapters on craniosynostosis present new technologies of surgical treatment, craniomaxillofacial corrective surgery, and telescoping techniques with multiple cranial osteotomies.

spina bifida bowel management adults: Care of Adults with Chronic Childhood

Conditions Alice A Kuo, Mariecel Pilapil, David E. DeLaet, Cynthia Peacock, Niraj Sharma, 2024-07-18 This book addresses the unique healthcare needs of adults with chronic childhood illnesses. It presents a model of primary and secondary prevention for emerging adulthood: primary prevention, in which all young adults are screened for high-risk behaviors and health needs, and secondary prevention, in which young adults with chronic childhood conditions are optimized through coordinated care, connections to community resources and social/family support. Now in its revised and expanded second edition, this book is organized in seven parts. Part I provides a detailed overview of the health care transition from pediatrics to adult medicine from both a policy and practice perspective. New topics in this section include telemedicine as a tool to optimize transition care and systems of care/models of care that include practical steps on how to get transition/transfer done or care for these patients in the appropriate setting. In Part II, the concept of emerging adulthood as a developmental period is explored and strategies for providing improved comprehensive care for this age group are discussed. A section on addressing health maintenance has been added to this edition. Part III reviews specific chronic childhood conditions, such as attention-deficit/hyperactivity disorder, autism, cystic fibrosis, and diabetes mellitus, and offers clinical cases and summary reports that can be used as a quick guides to each condition. Several new conditions have been added to this section, including metabolic issues/conditions, eating disorders, transgender medicine and childhood endocrine conditions. Section IV is a completely new section that focuses on hospital medicine. Chapters within this section include pre-op clearance, maintaining safety, neurodiversity considerations, ER issues and triaging, emergencies, contact with PCP, adult issues not addressed, pediatric issues often overlooked, inpatient transition policies, procedures, Med-Peds/Transition, palliative care/hospice and unique inpatient cases. In Part V, additional clinical considerations that are not necessarily condition-specific but are highly relevant to the care of young adults with chronic childhood conditions are examined. Part VI describes the socio-legal issues involved in caring for this population. Finally, part VII is another completely new section that focuses on public health and population considerations. Chapters in this section include telemedicine, disaster preparedness, quality improvement, health care services, mental health/psychiatry, neurodiversity and addressing equity and racism. Written by experts in the field, *Care of Adults with Chronic Childhood Conditions, 2e* provides primary care providers with a new framework for the care of young adults and identifies opportunities to influence patient health outcomes over a life trajectory.

spina bifida bowel management adults: Care of Adults with Chronic Childhood

Conditions Mariecel Pilapil, David E. DeLaet, Alice A. Kuo, Cynthia Peacock, Niraj Sharma, 2016-11-24 This book addresses the unique healthcare needs of adults with chronic childhood illnesses. It presents a model of primary and secondary prevention for emerging adulthood—primary prevention in which all young adults are screened for high-risk behaviors and health needs and secondary prevention in which young adults with chronic childhood conditions are optimized through coordinated care, connections to community resources and social/family support. This book is organized in five parts. Part I provides a detailed overview of the health care transition from pediatrics to adult medicine from both a policy and practice perspective. In Part II, the concept of emerging adulthood as a developmental period is explored and strategies for providing improved comprehensive care for this age group are discussed. Part III reviews specific chronic childhood conditions, such as attention-deficit/hyperactivity disorder, autism, cystic fibrosis, and diabetes

mellitus, and offers clinical cases and summary reports that can be used as a quick guides to each condition. In Part IV, additional clinical considerations that are not necessarily condition-specific but are highly relevant to the care of young adults with chronic childhood conditions are examined. Part V describes the socio-legal issues involved in caring for this population. Care of Adults with Chronic Childhood Conditions provides primary care providers with a new framework for the care of young adults and identifies opportunities to influence patient health outcomes over a life trajectory.

spina bifida bowel management adults: Braddom's Physical Medicine and Rehabilitation E-Book David X. Cifu, 2020-08-01 Thoroughly updated to reflect the latest advances and technologies, Braddom's Physical Medicine and Rehabilitation, 6th Edition, remains the market leader in the field of PM&R. For more than 20 years, this bestselling reference has been the go-to resource for the entire rehabilitation team, providing in-depth coverage of essential core principles along with the latest research, technologies, and procedures that enhance patient care and facilitate optimal return to function. In this edition, lead editor Dr. David X. Cifu and his team of expert associate editors and contributing authors employ a more succinct format that emphasizes need-to-know material, incorporating new key summary features, including high-yield information and study sheets for problem-based learning. - Focuses more heavily on rehabilitation, with case studies throughout and more comprehensive coverage of stroke evaluation, rehabilitation, and therapies. - Provides expanded information on key topics such as interventional pain management options, gait and prosthetics, USG, fluoroscopy, electrodiagnosis and more. - Features a new chapter on Occupational Medicine and Vocational Rehabilitation, plus enhanced coverage of the neurogenic bladder, rehabilitation and prosthetic restoration in upper limb amputation, and acute medical conditions including cardiac disease, medical frailty, and renal failure. - Discusses quality and outcome measures for medical rehabilitation, practical aspects of impairment rating and disability determination, integrative medicine in rehabilitation, and assistive technology. - Offers highly illustrated, templated chapters that are easy to navigate without sacrificing coverage of key topics. - Includes access to dozens of even more practical videos and hundreds of integrated self-assessment questions for more effective learning and retention. - Enhanced eBook version included with purchase. Your enhanced eBook allows you to access all of the text, figures, and references from the book on a variety of devices.

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spina bifida bowel management adults: Spina Bifida M. Memet Özek, Giuseppe Cinalli, Wirginia Maixner, 2008-08-29 By C. Sainte-Rose As we stand at the dawn of the 21st century, one may ponder the rationale of writing a book on spina bifida. Once commonplace in European countries prior to the era of ultrasonography, this disease became increasingly rare in developed countries as a - sult of improvements in antenatal diagnosis, to the point that we believed it to be d- appearing. Knowledge of spina bifida and of its treatment, once so richly diffused - ly 30 years ago, began to fade. Young neurosurgeons who had never seen such a m- formation at its initial presentation were hesitant, and did not understand the protean clinical signs of these patients presenting to the emergency department or outpatient clinics. This situation, however, did not last for long. As a consequence of the poli- cal and economic events of the final years of the 20th century, the advent of globa- sation, and the significant desire for immigration, we realised that spina bifida had not disappeared at all in the rest of the world. Migration was, and is, bringing it back - to our doorstep, to our everyday clinical and surgical practice. It is important the- fore, not to lose the knowledge gained by our masters, to try and assemble it in one place in order to understand the disease from its inception in utero through until adu- hood and the reproductive age.

spina bifida bowel management adults: Handbook of Pediatric Rehabilitation Medicine

Robert J. Rinaldi, Rajashree Srinivasan, 2022-08-29 The Handbook of Pediatric Rehabilitation Medicine is a valuable, first of its kind resource in its field. Featuring cutting-edge clinical knowledge from practicing physicians and experts across specialties, the book offers comprehensive information in a quick and accessible fashion. This compact reference contains an impressive breadth of information. It provides evidence-based guidance for day-to-day management of both common and uncommon problems and rehabilitation challenges specific to the pediatric patient. Beginning with an overview of normal pediatric development, the handbook's six parts cover a wide range of central nervous system disorders, neuromuscular, autoimmune, and musculoskeletal conditions, cancer and pain, and evaluation and treatment modalities. Designed as a framework to inform clinical decision-making, the book is an essential resource for health professionals providing rehabilitation care to children in a wide variety of disciplines and settings. This broad-scope handbook is unique in its focus on pediatric rehabilitation, and will help everyone from trainees to seasoned practitioners access the information they need to successfully manage associated problems and conditions in their younger patients. Key Features: Targets core clinical issues and areas of growing importance for a complete survey of pediatric rehabilitation medicine Incorporates current literature and evidence-based information throughout Essential for practitioners at any level in PM&R, pediatrics, primary care, orthopedics, physical therapy, nursing, and others who see children with disabilities and injuries Formatted for quick access in the busy clinical setting Purchase includes access to the ebook for mobile use on most devices

spina bifida bowel management adults: Clinical Considerations in School-based Health

Robert P. Olympia, Jodi Brady-Olympia, 2025-05-23 Advancements in the field of school-based health have improved the overall health and mental well-being of students. With these advancements, school-based health providers must be aware of the latest clinical evidence and technologies in order to provide optimal care for their students. The purpose of this book is to provide school-based health providers a comprehensive, "go-to" resource to access evidence-based recommendations for the assessment/screening, triage, initial stabilization and treatment, and recognition of acute and chronic conditions and disease processes often seen in students. It aims to utilize modern methods of learning for the audience to improve retention and implementation, such as algorithms, mnemonics, infographics, case studies, tables and lists, etc. Authors have been recruited, both regionally and nationally, with expertise in school-based health, and include clinical physicians, school nurses and advance practice providers. The text is structured into ten main sections covering an array of topics, including medical conditions and disease, trauma and sports medicine, and mental/behavioral health. Each chapter is structured with a brief description of the topic, innovations within the topic/field (including current research), screening or recognition of the disease or injury, care plans for students with the disease or injury, complications associated with the disease or injury that may present in the school setting, triage based on the presentation (either to an emergency department, urgent care center, primary care physician's office, or remain in school), and the future of each topic/field/diagnosis with respect to school-based health. Clinical Considerations in School-based Health is innovative in that the focus is on clinical school-based health highlighting recommendations based on the evidence and research, on utilizing innovative methods of learning (algorithms, mnemonics, infographics, case studies, etc.), covering "hot topics" not often seen in other school-based health books and resources, and targeting all stakeholders in school-based health.

spina bifida bowel management adults: Handbook of Neurourology Limin Liao, Helmut

Madersbacher, 2023-10-25 This book introduces neurourology as an emerging interdisciplinary area that covers the basic and clinical studies of the neural control on the normal lower urinary tract and the lower/upper urinary tract dysfunction due to neuropathy disorders. It systematically describes all aspects of neurourology from the epidemiology of the neurogenic bladder; to the pathology and pathophysiology of the lower urinary tract; to the diagnosis and treatment of the neurogenic bladder by conservative therapies or surgeries. This book provides a useful resource for medical doctors, nurses and students in the field of neurourological conditions. In this 2nd edition, 15 chapters are

added, e.g. on urodynamic practice, psychogenic reasons of LUTDs, standard of care, physiotherapy, upper urinary tract rehabilitation to enable self-catheterization, pediatric neurourology, new surgical procedures. The editors have invited an impressive number of renowned contributors, including 98 internationally recognized specialists in this field from 25 countries in Europe, Asia, North America, and South America. This handbook provides a useful resource for medical doctors, nurses and students in the field of neurourological conditions.

spina bifida bowel management adults: Textbook of the Neurogenic Bladder Jacques Corcos, David Ginsberg, Gilles Karsenty, 2015-08-03 The editors of this comprehensive third edition of the Textbook of the Neurogenic Bladder have assembled an impressive team of world specialists to develop an essential resource for physicians, continence specialists, and other health care professionals involved in the diagnosis and management of patients who have lost normal bladder function. The b

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spina bifida bowel management adults: Health Care for People with Intellectual and Developmental Disabilities across the Lifespan I. Leslie Rubin, Joav Merrick, Donald E. Greydanus, Dilip R. Patel, 2016-04-25 This book provides a broad overview of quality health care for people with intellectual and developmental disabilities (IDD). It focuses on providing the reader a practical approach to dealing with the health and well-being of people with IDD in general terms as well as in dealing with specific conditions. In addition, it offers the reader a perspective from many different points of view in the health care delivery system as well as in different parts of the world. This is the 3rd , and much expanded edition, of a text that was first published in 1989 (Lea and Fibiger). The second edition was published in 2006 (Paul Brookes) and has been used as a formal required text in training programs for physicians, nurses and nurse practitioners as well as by administrators who are responsible for programs serving people with IDD. This book is considered the "Bible" in the field of health care for people with IDD since 1989 when the first edition came out.

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the field of neurosurgery, 5 for residents and registrars in training and for recent graduates of training programs. 6 As neurosurgical training incorporates expertise from centers worldwide, there is a 7 need to have input from specialists in neurosurgery from various countries. This text 8 is a compilation by expert authors in the USA and the UK to provide information on 9 the basic knowledge and clinical management required for optimal care of neuro- 2011 surgical patients. 1 The text is an up-to-date synopsis of the field of neurosurgery from American and 2 British perspectives, which covers the most common clinical conditions encountered 3 by neurosurgeons. The chapters are organized under broad topics, including inves- 4 tigative studies, perioperative care, the role of newer techniques and the management 5 of tumors, vascular and traumatic lesions. Additional topics are then covered, includ- 6 ing pediatrics, spine and peripheral nerve lesions, as well as functional neurosurgery 7 and infections. We anticipate that trainees will find this information useful for certi- 8 fication examinations and recent graduates of neurosurgical training programs can 9 utilize this text as an update of the most important neurosurgical topics.

spina bifida bowel management adults: Pediatric Rehabilitation, An Issue of Physical Medicine and Rehabilitation Clinics of North America David Cancel, 2025-08-28 In this issue of Physical Medicine and Rehabilitation Clinics, guest editor Dr. David Cancel brings his considerable expertise to the topic of Pediatric Rehabilitation. Top experts in the field discuss spina bifida, pediatric spasticity, neonatal brachial plexus injury, pain syndromes in children, pediatric TBI and concussion, current technologies in pediatric mobility devices, and more. - Contains 14 relevant, practice-oriented topics including treatment guidelines and rehabilitation in spinal muscular atrophy and Duchenne's muscular dystrophy; transitioning from pediatric to adult care in neuromuscular disorders; pediatric cancer rehabilitation; exercise for pulmonary and cardiac disorders; pediatric spinal cord injury; and more - Provides in-depth clinical reviews on pediatric rehabilitation, offering actionable insights for clinical practice - Presents the latest information on this timely, focused topic under the leadership of experienced editors in the field. Authors synthesize and distill the latest research and practice guidelines to create clinically significant, topic-based reviews

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