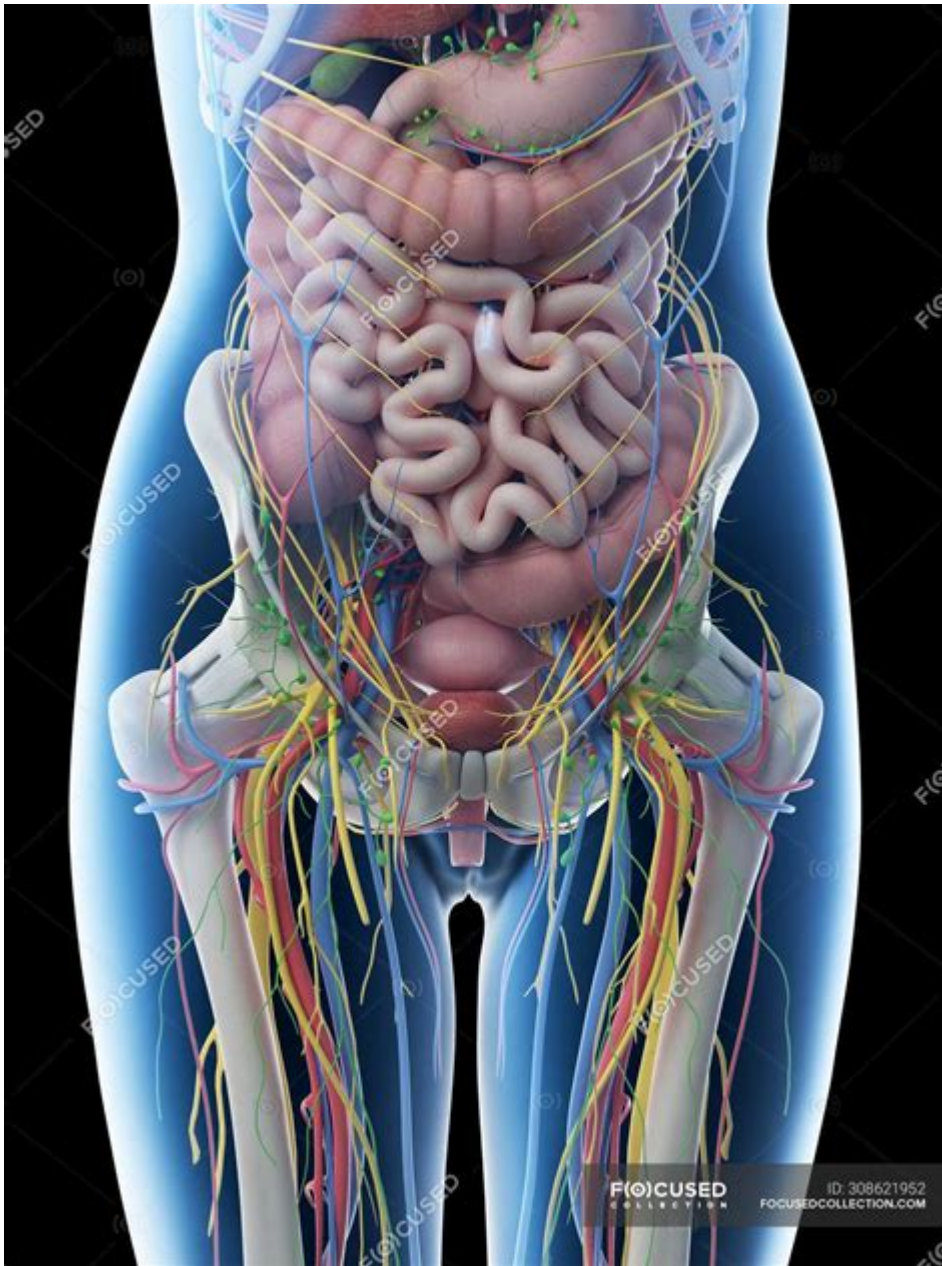


Lower Abdominal Anatomy Female



Lower Abdominal Anatomy Female: A Comprehensive Guide

Understanding your body is key to maintaining good health and addressing any concerns effectively. This comprehensive guide delves into the intricate anatomy of the female lower abdomen, providing a detailed overview for both healthcare professionals and individuals seeking a better understanding of their own physiology. We'll explore the key organs, muscles, and structures, clarifying their functions and interrelationships. By the end, you'll have a clear picture of this vital region of the female body.

Key Organs of the Lower Female Abdomen

The lower abdomen, situated below the umbilicus (belly button), houses several crucial organs integral to reproductive health, digestion, and urinary function. Let's explore them individually:

1. Uterus: The Womb

The uterus, or womb, is a pear-shaped, muscular organ centrally located in the pelvis. Its primary function is to nurture a developing fetus during pregnancy. The uterus comprises three layers: the perimetrium (outer layer), myometrium (muscular middle layer responsible for contractions during labor), and endometrium (inner lining that sheds during menstruation).

2. Fallopian Tubes: Pathways to Conception

Extending from the sides of the uterus are the fallopian tubes, narrow tubes that transport eggs released from the ovaries to the uterus. Fertilization typically occurs within the fallopian tubes.

3. Ovaries: Egg Production and Hormone Regulation

The ovaries, located on either side of the uterus, are the female gonads. They produce and release eggs (ova) and secrete hormones crucial for reproductive function, including estrogen and progesterone. These hormones regulate the menstrual cycle and play a significant role in overall health.

4. Bladder: Urine Storage

The bladder, a hollow muscular organ, sits just behind the pubic bone. It stores urine produced by the kidneys before it's expelled from the body through urination.

5. Rectum: The End of the Digestive Tract

The rectum, the final section of the large intestine, is located at the very back of the pelvis. It stores feces before elimination.

Muscles of the Lower Female Abdomen

The lower abdominal muscles provide support for the pelvic organs, contribute to posture, and play a role in childbirth. Key muscles include:

1. Rectus Abdominis: The "Six-Pack" Muscles

These long, vertical muscles run down the center of the abdomen, often referred to as the "six-pack" muscles due to their segmented appearance. They flex the spine and assist in breathing.

2. Obliques (Internal and External): Rotational and Lateral Support

The internal and external oblique muscles are layered on either side of the rectus abdominis. They are responsible for trunk rotation, lateral flexion (bending to the side), and support of the abdominal wall.

3. Transversus Abdominis: Deep Core Stability

This deep abdominal muscle wraps around the torso horizontally, providing crucial core stability and support for the internal organs.

Ligaments and Supporting Structures

Various ligaments and connective tissues provide crucial support to the pelvic organs and maintain their proper position within the lower abdomen. These structures are complex and play a vital role in overall pelvic stability. Understanding their intricate network is crucial for diagnosing and treating pelvic floor disorders.

Common Conditions Affecting the Lower Female Abdomen

Many conditions can affect the organs and structures within the lower female abdomen. These range

from relatively minor issues to more serious health concerns. Some examples include:

Endometriosis: A condition where tissue similar to the uterine lining grows outside the uterus.

Ovarian cysts: Fluid-filled sacs on the ovaries.

Uterine fibroids: Non-cancerous tumors in the uterus.

Pelvic inflammatory disease (PID): An infection of the female reproductive organs.

Urinary tract infections (UTIs): Infections of the bladder or kidneys.

Constipation: Difficulty in passing stool.

Conclusion

Understanding the lower abdominal anatomy of the female body is essential for maintaining optimal health and addressing potential concerns. This detailed exploration of the organs, muscles, and supporting structures provides a foundation for comprehending the complexities of this vital region. Remember to consult with a healthcare professional for any health concerns or for a personalized assessment.

FAQs

1. What are the most common symptoms of problems in the lower female abdomen? Common symptoms include pelvic pain, abdominal pain, changes in menstrual cycle, urinary problems, and bowel issues.
2. How can I strengthen my lower abdominal muscles? Exercises like planks, crunches, and Pilates can help strengthen the lower abdominal muscles.
3. What are some preventative measures I can take to maintain the health of my lower abdomen? Maintaining a healthy weight, regular exercise, a balanced diet, and regular pelvic floor exercises can help.
4. When should I seek medical attention for lower abdominal pain? Seek medical attention if the pain is severe, persistent, accompanied by fever or other symptoms, or if you suspect a serious underlying condition.
5. Are there specific imaging techniques used to examine the lower female abdomen? Yes, ultrasound, CT scans, and MRI scans are commonly used to visualize the structures and organs of the lower female abdomen.

lower abdominal anatomy female: Diseases of the Abdomen and Pelvis 2018-2021 Juerg Hodler, Rahel A. Kubik-Huch, Gustav K. von Schulthess, 2018-03-20 This open access book deals with imaging of the abdomen and pelvis, an area that has seen considerable advances over the past

several years, driven by clinical as well as technological developments. The respective chapters, written by internationally respected experts in their fields, focus on imaging diagnosis and interventional therapies in abdominal and pelvic disease; they cover all relevant imaging modalities, including magnetic resonance imaging, computed tomography, and positron emission tomography. As such, the book offers a comprehensive review of the state of the art in imaging of the abdomen and pelvis. It will be of interest to general radiologists, radiology residents, interventional radiologists, and clinicians from other specialties who want to update their knowledge in this area.

lower abdominal anatomy female: Part 1 MRCOG Revision Notes and Sample SBAs

Neelanjana Mukhopadhyaya, Jyotsna Pundir, Mala Arora, 2020-12-10 This concise yet comprehensive guide is focused on the curriculum and current exam style of the MRCOG Part 1 examination. It integrates clinical knowledge with basic science, providing readers with a deeper understanding of pathophysiology of medical disorders in obstetrics and gynaecology. The lead editor is a member of the Part 1 Examination Committee and her insights are skilfully woven into the book's revision notes, sample Single Best Answer (SBA) question and answer explanations, and tips on exam technique. The book encourages a structured thought process to develop, making it easier for clinicians to make differential diagnoses and conduct relevant investigations and treatment plans. The focus on basic sciences also endows readers with the ability to develop research ideas and evaluate findings. Featuring easy-to-read text, highlighted key points, illustrations, and plenty of practice papers, this succinct guide is essential preparation reading for trainee obstetricians and gynaecologists taking the challenging Part 1 MRCOG exam.

lower abdominal anatomy female: Oxford Textbook of Fundamentals of Surgery William

E. G. Thomas, Malcolm W. R. Reed, Michael G. Wyatt, 2016 A definitive, accessible, and reliable resource which provides a solid foundation of the knowledge and basic science needed to hone all of the core surgical skills used in surgical settings. Presented in a clear and accessible way it addresses the cross-specialty aspects of surgery applicable to all trainees.

lower abdominal anatomy female: CURRENT Diagnosis & Treatment of Sexually Transmitted

Diseases Jeffrey D. Klausner, Edward W. Hook, 2007-04-06 Get problem-oriented and disease-specific guidance in treating STDs-in one quick-access source Featuring the trusted, practical format of the CURRENT series, this authoritative, quick-access guide delivers a top-to-bottom overview of STDs commonly encountered in clinical practice. The book begins with an insightful introduction to the field that emphasizes the patient-doctor relationship, and then explores clinical problems with STDs in terms of diagnostic, management, and treatment considerations. Features A-to-Z, up-to-the-minute coverage of common STDs-filled with crucial point-of-care guidelines A focus on prevention interventions, including counseling, in recognition of the need to change high-risk sexual behaviors Practical diagnostic algorithms that summarize key protocols and facilitate patient management Detailed, easy-to-locate treatment tables that list specific drugs (generic and trade names), doses, and schedules A thought-provoking final chapter that includes a brief discussion of the latest STD research, plus unresolved questions and future concerns Useful appendices that include diagnostic protocols, treatment tables, and websites for further information Authoritative, on-the-spot information you can quickly apply to your practice - without sifting through pages of data An essential clinical companion for internists, family physicians, pediatricians, nurse practitioners, obstetricians-gynecologists, HIV care specialists, and other healthcare professionals who see patients with STDs Turn to any chapter on specific STDs, and you'll find expert perspectives on biology, epidemiology, clinical manifestations, diagnosis, treatment, prevention, and issues related to special populations

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Jody E. Johnson, Oksana Korol, Dean H. Kruse, Brandon Poe, James A. Wise, Mark Womble, Kelly A. Young, 2013-04-25

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2012-12-06 Professor Walter Thiels brilliant photographs are unique. They revolutionise macroscopic surgery because - due to a new preservation technique developed by the author himself

- all tissues retain their living colour, consistency and position. This new technique, Thiels exceptional abilities as a photographer and the filigree dissections add up to vivid, almost artistic illustrations of astonishing depth and clarity. Apart from the topographical anatomy of the abdomen and lower extremities, Part I illustrates the most important punctures of joints and many surgical approaches. Thus this atlas is not only of interest to anatomists and pathologists but particularly to surgeons and orthopaedic surgeons - in fact all doctors requiring a 3D presentation of human anatomy.

lower abdominal anatomy female: Upper Tract Urothelial Carcinoma Shahrokh F. Shariat, Evangelos Xylinas, 2014-09-13 Upper Tract Urothelial Carcinoma represents the first book of its kind to be dedicated solely to UTUC. Its aim is to improve understanding and eventually care of a disease that is greatly understudied and underappreciated, yet commonly dealt with by many medical and urologic oncologists. The volume features new data regarding genetic susceptibility, gene expression studies and causative factors; contemporary concepts and controversies regarding diagnosis and staging of UTUC; prediction tools and their value in treatment decisions within each disease stage and patient selection and treatment options such as endoscopic management, distal ureterectomy, radical nephroureterectomy and chemotherapy. Up-to-date information regarding boundaries of surgical resection, indication and extent of lymphadenectomy is covered as well as the role of perioperative/neoadjuvant chemotherapy in patients with high-risk UTUC. Upper Tract Urothelial Carcinoma will be of great value to all Urologists, Medical Oncologists and fellows in Urologic Oncology as well as upper level residents in training in Urology and Medical Oncology.

lower abdominal anatomy female: Pain in Women Allison Bailey, Carolyn Bernstein, 2012-08-09 Pain is a complex experience, influenced by many variables. There is currently growing interest in the influence of sex and gender on the experience of pain. The fact that there are sex differences in pain and analgesia is now a well-recognized phenomenon within the field of pain medicine. However, the specific mechanisms underlying these differences remain somewhat poorly understood. Traditionally, these sex differences in pain experience have been attributed largely to psychological, behavioral and socio-cultural variables - in particular, a perceived greater willingness on the part of women to report painful symptoms and seek medical attention. Although psychosocial factors do influence pain perception, there is now substantial evidence to support a strong role for hormonal factors mediating sex differences in pain modulation. In *Pain in Women: A Clinical Guide*, a renowned group of experts in pain medicine breaks new ground in the field by synthesizing and elucidating the range of biological and neurohormonal factors underlying these conditions and clarifying potential treatment options based on these factors. The initial section of this unique title introduces the topic of pain in women and its importance and then goes on to describe hormonal and myofascial considerations in this patient population. The second section addresses specific pain disorders common in women and the various treatment options for these, including rehabilitative and complementary and alternative medicine (CAM) treatments. The third and final section covers the specific populations of the pregnant/postpartum woman, issues related to breast cancer, the female athlete, menopausal considerations and the role of physical therapy in women's health. Timely and state-of-the-art, *Pain in Women: A Clinical Guide* is an important new reference that fills a significant need in the developing area of pain medicine.

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the technical, interpretive, and cognitive aspects, and the capability to develop pragmatic and effective management plans and treatment. This comprehensive and concise manual covers all these aspects and serves as a useful handbook for acquiring the necessary skills for the visual recognition and interpretation of colposcopic findings and for developing the personal and professional attributes required for competence in colposcopy.

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lower abdominal anatomy female: Applied Anatomy for Anaesthesia and Intensive Care Andy Georgiou, Chris Thompson, James Nickells, 2014-10-02 Concise anatomical text and descriptions of procedures are supported by high-quality, anatomical illustrations linked to clinical images.

lower abdominal anatomy female: *Emergency Radiology COFFEE Case Book* Bharti Khurana, Jacob Mandell, Asha Sarma, Stephen Ledbetter, 2016-04-07 This book of 85 index cases is organized by clinical presentations that simulate real-life radiology practice in the emergency department. Companion cases spanning the differential diagnoses and spectrum of disease provide hundreds more examples for a fast, focused, effective education we like to call COFFEE (Case-Oriented Fast Focused Effective Education).

lower abdominal anatomy female: MRCOG Part One Alison Fiander, Baskaran Thilaganathan, 2016-10-13 A fully updated and illustrated handbook providing comprehensive coverage of all curriculum areas covered by the MRCOG Part 1 examination.

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lower abdominal anatomy female: Current Diagnosis & Treatment Obstetrics & Gynecology, 12th Edition Alan H. DeCherney, Ashley S. Roman, Lauren Nathan, Neri Laufer, 2018-08-22 An up-to-date clinically focused text written to answer even the most difficult obstetrics and gynecology question A Doody's Core Title for 2021! The single-source OB/GYN resource acclaimed for its currency, comprehensiveness, and strong focus on the practical aspects of clinical diagnosis and patient management Expanded and extensively updated to reflect the latest research and advances - including the concepts of precision medicine Of value to medical students, residents, and practicing physicians who will find this an outstanding guide to the management of common and uncommon conditions Ready-to-apply coverage of more than 1,000 diseases and disorders Strikes the perfect balance between brevity and clinical necessity, delivering exactly the amount of information needed for quick diagnosis, effective treatment, and improved outcomes Strong emphasis on disease prevention and evidence-based medicine Hundreds anatomic drawings, image studies, diagrams, charts, and graphs NEW CHAPTER on Benign Disorders of the Uterine Corpus; Cardiac Disorders in Pregnancy and Pulmonary Disorders in Pregnancy are now two separate

chapters for more detailed, focused coverage of these important topics Quick-access design facilities use at the point of care

lower abdominal anatomy female: Diagnostic Ultrasound: Abdomen and Pelvis E-Book

Aya Kamaya, Jade Wong-You-Cheong, 2021-10-08 Develop a solid understanding of ultrasound of the abdomen and pelvis with this practical, point-of-care reference in the popular Diagnostic Ultrasound series. Written by leading experts in the field, the second edition of Diagnostic Ultrasound: Abdomen and Pelvis offers detailed, clinically oriented coverage of ultrasound imaging of this complex area and includes illustrated and written correlation between ultrasound findings and other modalities. The most comprehensive reference in its field, this image-rich resource helps you achieve an accurate ultrasound diagnosis for every patient. - Features nearly 15 new chapters that detail updated diagnoses, new terminology, new methodology, new criteria and guidelines, a new generation of scanners, and more - Includes 2,500 high-quality images including grayscale, color, power, and spectral (pulsed) Doppler imaging in each chapter and, when applicable, contrast-enhanced ultrasound; plus new videos and animations online - Discusses new polycystic ovary syndrome (PCOS) criteria, updated pancreatic cyst guidelines, new ovarian cysts recommendations, shear wave elastography for liver fibrosis, and more - Correlates ultrasound findings with CT and MR for improved understanding of disease processes and how ultrasound complements other modalities for a given disease - Covers cutting-edge ultrasound techniques, including microbubble contrast and contrast-enhanced US (CEUS) for liver imaging - Contains time-saving reference features such as succinct and bulleted text, a variety of test data tables, key facts in each chapter, annotated images, and an extensive index

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2011-01-01 The remarkably complex pelvic floor and its disorders comprise one of the most interesting -- and challenging -- areas of physical therapy. And recently, common problems once considered taboo, such as incontinence, have become mainstream issues. More than ever before, a solid understanding of the structure and function of the manifold problems of the pelvic floor is vital to successful treatment. This groundbreaking work brings together an international team of world-renowned experts in the treatment of urinary and fecal incontinence, as well as sexual dysfunction, to provide a comprehensive guide to the structure and function of the muscles of the pelvic floor. Using concise text and clear illustrations and helpful photographs, the authors present all phenomena associated with pelvic floor dysfunction. The authors begin with a detailed overview of the anatomy and physiology of the pelvic floor, and then discuss all state-of-the-art diagnostic and treatment strategies, from biofeedback and manual therapy to the causes of different types of pain and psychosocial problems. Detailed discussions of the specific issues associated with children, women, and men, as well as with rectal and anal dysfunction, follow. With its thorough coverage, this highly practical text is essential reading for all health care professionals who wish to provide their patients suffering from disorders of the pelvic floor with the best care available.

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2019-11-07 With mesh surgery for prolapse sometimes proving problematic, there has been a resurgence of professional medical interest in more traditional methods for the management of prolapse and of stress urinary incontinence. This concise guide to the practical aspects of pessary use will be of interest to all gynecologists involved in the clinical management of the patient with these problems. Contents: Historical review * Pessaries for pelvic organ prolapse * Incontinence pessaries * Pessary fitting * Pessary care * Outcomes of pessary use * Current clinical studies on vaginal pessaries Cover image of vaginal pessaries © 2019 Rick Hicaro, Jr., Chicago, IL 60647, USA

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Dawson, Amy Harwell, Robin Hopkins, Joel Kaufmann, Mike LeMaster, Philip Matern, Katie Morrison-Graham, Jon Runyeon, 2019-09-26 A version of the OpenStax text

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Wojciech Pawlina, 2008-04-07 This book features an innovative visual approach to understanding the human body.

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lower abdominal anatomy female: *Handbook of Critical Care and Emergency Ultrasound* Kristin A. Carmody, Christopher L. Moore, David Feller-Kopman, 2011-09-05 A quick-access practical handbook for the use of ultrasound in critical care and emergency department settings Point-of-care ultrasound offers a readily available, noninvasive, reproducible modality that can expedite and improve care in the critical care and the emergency setting. This handy guide clarifies basic concepts and provides the hands-on guidance necessary for clinicians to arrive at better therapeutic decisions and perform safer procedures with the use of ultrasound. *Handbook of Critical Care and Emergency Ultrasound* opens with important chapters on ultrasound basics, ultrasound orientation, and probe selection, machine controls, and equipment. 22 additional chapters cover organ or system-specific procedural applications and approaches to the trauma patient. You will also find algorithms for the patient with undifferentiated chest pain, dyspnea, hypotension, and abdominal pain. 259 drawings and photographs support the text, illustrating patient positioning, basic views, anatomy, and common pathology. *Handbook of Critical Care and Emergency Ultrasound* is the perfect resource for critical care and emergency providers who wish to deepen their knowledge of sonography and broaden their use of ultrasound in the care of their patient.

lower abdominal anatomy female: *Advanced Health Assessment of Women, Second Edition* Helen A. Carcio, MS, MEd, ANP-BC, R. Mimi Secor, DNP, FNP-BC, NCMP, FAANP, FAAN, 2010-01-25 This manual-style reference presents the clinical skills needed to assess health and provide care to women of all of ages, with systematic reviews of all aspects of female mental and bodily health. The authors and contributors comprehensively cover female reproduction, anatomy, and physiology as examined at the cellular level. Also discussed are developmental, psychological, and sociocultural dimensions of women. Offering an integrated approach to women's health care, the authors delineate the roles and functions of various health care providers serving female patients, including physician's assistants, nurse midwives, and nurse practitioners. The chapters present assessment strategies that are on the leading edge of the expanded role of the advanced practice clinician. The chapter authors provide full, in-depth discussions of each assessment skill and technique as well as an understanding of the rationale behind each assessment. Key Topics Discussed: Health assessment: physical examinations, assessment of pregnant women, and

assessment and clinical evaluation of obesity in women Female Reproduction: anatomy, physiology, and the reproductive cycle Contraceptive devices: the diaphragm, intrauterine contraception, and contraceptive implants Assessment of women at risk: domestic violence, STIs, and sexual assault Assessment of the infertile woman: initial evaluations, donor insemination, and more

lower abdominal anatomy female: Chronic Pelvic Pain in Women M. Renaer, 2012-12-06 The number of studies on chronic and recurrent pain bears no relation to the frequency of these complaints in gynecologic practice, nor to the clinical and scientific problems that still need solving in this area. Several factors stand in the way of progress in this field, such as the strongly subjective nature of the complaints, the frequent lack of correlation between them and objective findings, and the complexity of the psychosomatic interactions involved. Although progress in our knowledge has been much slower than we would have wished, and although we are well aware of these many gaps, it was considered useful to gather in a book what we think we have learned during 3 decades of active interest in pain patients and pain problems in gynecologic practice and 12 years of supervision of a pain clinic in the Department of Obstetrics and Gynecology of Leuven University. As there are many differences between acute pain - clinical as well as experimental - on the one hand and chronic pain symptoms on the other, it was felt preferable to limit the scope of this book essentially to chronic and recurrent pain in gynecologic practice. When presented with a complaint of lower abdominal and/or low back pain, the gynecologist should constantly be on the lookout for nongynecologic causes, of which the most frequent will be either gastroenterologic or orthopedic and sometimes urologic. I have been fortunate in obtaining the collaboration of Dr.

lower abdominal anatomy female: Meyers' Dynamic Radiology of the Abdomen Morton A. Meyers, MD, FACR, FACG, Chusilp Charnsangavej, MD, FSIR, Michael Oliphant, MD, FACR, 2010-10-19 The Sixth Edition continues the tradition of this great book by applying anatomic knowledge to state-of-the-art imaging. Chapters have been reorganized to help the reader better interpret imaging studies by clearly demonstrating what to expect and where to look for disease spread from each individual organ. Up-to-date chapters explore the dynamic concept, explain its embryologic and anatomic basis, and classify the mechanisms of disease progression. The latest imaging modalities, including CT, MRI, ultrasound, and PET, are incorporated throughout.

lower abdominal anatomy female: The Overactive Pelvic Floor Anna Padoa, Talli Y. Rosenbaum, 2015-12-01 This textbook provides a comprehensive, state-of-the-art review of the Overactive Pelvic Floor (OPF) that provides clinical tools for medical and mental health practitioners alike. Written by experts in the field, this text offers tools for recognition, assessment, treatment and interdisciplinary referral for patients with OPF and OPF related conditions. The text reviews the definition, etiology and pathophysiology of non-relaxing pelvic floor muscle tone as well as discusses sexual function and past sexual experience in relation to the pelvic floor. Specific pelvic floor dysfunctions associated with pelvic floor overactivity in both men and women are reviewed in detail. Individual chapters are devoted to female genital pain and vulvodynia, female bladder pain and interstitial cystitis, male chronic pelvic and genital pain, sexual dysfunction related to pelvic pain in both men and women, musculoskeletal aspects of pelvic floor overactivity, LUTS and voiding dysfunction, and anorectal disorders. Assessment of the pelvic floor is addressed in distinct chapters describing subjective and objective assessment tools. State of the art testing measures including electromyographic and video-urodynamic analysis, ultrasound and magnetic resonance imaging are introduced. The final chapters are devoted to medical, psychosocial, and physical therapy treatment interventions with an emphasis on interdisciplinary management The Overactive Pelvic Floor serves physicians in the fields of urology, urogynecology and gastroenterology as well as psychotherapists, sex therapists and physical therapists.

lower abdominal anatomy female: Ultrasonic Sectional Anatomy Patricia Morley, Gabriel Donald, Roger C. Sanders, 1983 Ultrasonic Sectional Anatomy centers on the imaging processes, methodologies, and approaches employed in sectional anatomy. The selection first offers information on the brain and cerebral ventricles, eye and orbit, and the thyroid and adjacent soft tissues of the neck. The book also examines the breast, heart, and abdominal muscles and skeletal boundaries.

Topics include anterior abdominal wall, pelvic muscles, diaphragm, recording the cross-sectional echocardiogram, and echography of the normal breast. The text elaborates on the upper abdominal viscera and the kidneys, including renal and ...

lower abdominal anatomy female: *Laparoscopic Inguinal Hernia Repair* Ara Darzi, 1994 The repair and management of inguinal hernias represents a significant part of the general surgeon's workload. It was therefore inevitable that following the success of laparoscopic cholecystectomy, surgeons would develop a procedure for repairing inguinal hernias laparoscopically. This book provides the first comprehensive account of laparoscopic inguinal hernia repair. The Editors' aim has been to give step-by-step guidance to each operative procedure discussed with reference to long term results. One of the biggest problems facing surgeons learning new laparoscopic procedures is an understanding and orientation of basic anatomy when viewed through the laparoscope. This issue is discussed at length with guidance on how to avoid the common pitfalls. Final chapters look at the advantages and disadvantages of the Lichtenstein open mesh hernia repair approach, safety and properties of non-absorbable mesh with the last chapters concentrating on laparoscopic suture repair and the new mini hernia operation.

lower abdominal anatomy female: *Principles of Gynecologic Oncology Surgery E-Book* Pedro T. Ramirez, Michael Frumovitz, Nadeem R. Abu-Rustum, 2018-07-01 With an emphasis on a practical, how-to approach, this comprehensive text addresses the most important and commonly performed procedures in gynecologic oncology surgery today. Written by leaders in the field, *Principles of Gynecologic Oncology Surgery* clearly describes the critical steps for each procedure, provides up-to-date information on the recent literature, and includes high-quality illustrations of anatomy and technique. - Covers hot topics such as Enhanced Recovery After Surgery (ERAS), sentinel lymph node mapping, and minimally invasive surgery (robotic surgery, advanced laparoscopic surgery, and single site surgery). - Includes expert coverage of reconstructive surgery, colorectal surgery, urology, and vascular surgery, each written by surgeon leaders in that particular field. - Addresses the diagnosis, management and prevention of surgical complications.

lower abdominal anatomy female: *Atlas of Abdominoplasty* Joseph P. Hunstad, Remus Repta, 2008-01-01 Successfully perform one of today's most frequently requested plastic surgery procedures. Written by a leading authority on the subject, this heavily illustrated operative guide examines all of the aspects and variations of abdominoplasty. Nearly 500 full-color illustrations and photographs show you in clear, clinical detail the pre-, intra-, and postoperative steps for each procedure, and videos on DVD present these techniques in action. Comprehensive coverage of a full range of topics related to this surgery-from patient selection and incision placement...to ancillary procedures, contraindications, and complications-make you aware of key considerations and enable you to safely perform more of the latest procedures. Covers a full range of topics associated with abdominoplasty-from patient selection and incision placement...to ancillary procedures, contraindications, and complications-highlighting key considerations and enabling you to safely perform more procedures. Examines the practice of liposuction in abdominoplasty procedures to show you how to combine both for the best results from each surgery. Offers coverage of endoscopic surgery techniques to equip you with the latest procedures. Uses nearly 500 full-color illustrations and photographs that depict in clear, clinical detail the pre-, intra-, and postoperative steps for each procedure for superb visual guidance. Addresses specific patient populations such as the massive weight loss patient and the obese, emphasizing the special operative considerations affecting these groups. Follows a consistent format throughout that makes reference quick and easy. Includes a bonus DVD containing videos of key procedures in action that show you how to proceed.

lower abdominal anatomy female: *Vaginal Hysterectomy* Shirish S Sheth, John Studd, 2001-11-08 In recent years advances in laparoscopic technologies have led to renewed interest in the vaginal approach to hysterectomy, which has many proven benefits for patients. This volume, dedicated to explaining and promoting the vaginal route of hysterectomy, is written and edited by an international team of experts and provides a much-needed source of up-to-date information and instruction. Importantly, the authors caution that laparoscopic technology can provide a valuable

source of assistance for the gynaecological surgeon in certain circumstances, though only in a percentage of cases. This book, beautifully illustrated with line drawings and full-colour photographs, contains step-by-step surgical techniques, enabling the surgeon to gain confidence and experience so that gradually more challenging operations can be managed successfully via the vaginal route. Acknowledged authorities from around the world take the reader through the indications and contra-indications for the vaginal approach, explain crucial preoperative assessment procedures, and offer an evidence-based elucidation of the 'why', 'when' and 'how' of vaginal hysterectomy. Specific topics considered here include: the nulliparous patient, uterine fibroids, debulking, the use of gonadotrophin-releasing hormone agonists, oophorectomy and prophylactic oophorectomy, adnexectomy for adnexal pathology, genital prolapse, the place of sacrospinous colpopexy, urethral sphincter incompetence, hormone replacement therapy, and the psychological and sexual outcomes of hysterectomy. In addition, the authors set forth the arguments for and against vaginal hysterectomy, abdominal hysterectomy, laparoscopic assistance, and transcervical resection of the endometrium. Combined with a full review of the potential complications, morbidity and mortality associated with the vaginal approach, this book provides the reader with a well-balanced, thorough and considered appraisal of vaginal hysterectomy. As the incidence of hysterectomy worldwide continues to rise, Vaginal Hysterectomy will be an indispensable reference for practising gynaecologists, surgeons, consultants and postgraduates.

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VISHRAM. SINGH, 2014-09-09 The Second Edition of this Volume is updated in accordance with the syllabus of Anatomy recommended by the Medical Council of India. It covers in detail the anatomy of abdomen and lower limb. Following recent trends of anatomy education, the book in addition to basic information provides knowledge on anatomical, embryological, and histological basis of clinical conditions through its features - Clinical Correlation and Clinical Case Study. Written in simple and easy-to-understand language, this profusely illustrated book provides knowledge of anatomy without extraneous details - ideal for undergraduate medical and dental students. It is highly recommended for those preparing for various entrance examinations, like PG entrance, USMLE, PLAB, etc. Salient Features Detailed exposition on abdominal hernias, joints, and nerve injuries Chapters on anterior abdominal wall; inguinal region/groin; male external genital organs; liver and extrahepatic biliary apparatus; kidneys, ureters and suprarenal glands; urinary bladder and urethra; bones of the lower limb; medial side of the thigh; back of the leg; joints of the lower limb; innervation of the lower limb have been revised thoroughly Clinical Correlations integrated in the text, highlighting practical application of anatomical facts, have been modified extensively Addition of new line diagrams and improvement in earlier diagrams Addition of halftone figures to enrich the understanding of clinical correlations Inclusion of new tables and flowcharts and revision in earlier tables Clinical Case Study at the end of each chapter to initiate interest of students in problem based learning (PBL) Additional information of higher academic value presented in a simple way in N.B. to make it more interesting for readers, especially aspiring postgraduates Important facts useful for candidates appearing in various entrance examinations like PGME, USMLE, PLAB, listed under Golden Facts to Remember Multiple Choice Questions at the end of the book for self-assessment of the topics studied

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lower abdominal anatomy female: Textbook of Anatomy: Abdomen and Lower Limb, Vol 2, 3rd Updated Edition - eBook Vishram Singh, 2020-05-12 Third edition of this book is updated in accordance with the syllabus of anatomy recommended by the Medical Council of India. It covers in detail the anatomy of abdomen and lower limb. Following recent trends of anatomy education, the book in addition to basic information provides knowledge on anatomical/embryological/histological basis of clinical conditions through its features — Clinical Correlation and Clinical Case Study. Written in simple and easy-to-understand language, this profusely illustrated book provides the knowledge of anatomy without extraneous details. The specific learning objectives have been given in the beginning of each chapter to facilitate self-learning by the students. Ideal for UG medical and dental students, PG entrance examinations, USMLE, PLAB, etc. Thorough revision of all the chapters Detailed exposition on inguinal canal, abdominal organs, prostate and joints of the lower limb Clinical Correlations integrated in the text, highlighting practical application of anatomical facts, have been modified extensively Improvement and revision in earlier diagrams and tables Clinical Case Study at the end of each chapter to initiate interest of students in problem based learning (PBL) Additional information of higher academic value presented in a simple way in N.B. to make it more interesting for readers, especially the aspiring postgraduates Important facts useful for candidates appearing in various entrance examinations like PGME, USMLE, PLAB, listed under Golden Facts to Remember Multiple Choice Questions at the end of the book for self-assessment of the topics studied Core competencies prescribed by the MCI are covered and competency codes are included in the text New to This Edition Includes new chapters on surface anatomy in each section of the abdomen and lower limb Addition of many new line diagrams, CT and MRI images, tables, flowcharts to facilitate greater retention of knowledge Additional Feature Complimentary access to full e-book Core competencies prescribed by the MCI are covered and competency codes are included in the text

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