

PELVIC ANATOMY

PELVIC ANATOMY IS A COMPLEX AND VITAL AREA OF HUMAN ANATOMY THAT PLAYS A CRUCIAL ROLE IN VARIOUS BODILY FUNCTIONS, INCLUDING REPRODUCTION, URINATION, AND LOCOMOTION. IT ENCOMPASSES A NETWORK OF BONES, MUSCLES, LIGAMENTS, AND ORGANS THAT TOGETHER SUPPORT THE LOWER ABDOMEN AND FORM THE PELVIC CAVITY. UNDERSTANDING PELVIC ANATOMY IS ESSENTIAL FOR HEALTHCARE PROFESSIONALS, PARTICULARLY IN FIELDS SUCH AS OBSTETRICS, GYNECOLOGY, UROLOGY, AND ORTHOPEDICS. THIS ARTICLE WILL DELVE INTO THE STRUCTURAL COMPONENTS OF THE PELVIS, DISCUSS ITS FUNCTIONAL SIGNIFICANCE, EXPLORE COMMON PELVIC DISORDERS, AND HIGHLIGHT THE IMPORTANCE OF PELVIC HEALTH IN OVERALL WELL-BEING.

- OVERVIEW OF PELVIC ANATOMY
- THE STRUCTURE OF THE PELVIS
- FUNCTIONS OF THE PELVIS
- COMMON PELVIC DISORDERS
- IMPORTANCE OF PELVIC HEALTH

OVERVIEW OF PELVIC ANATOMY

THE PELVIS IS DEFINED AS THE BONY STRUCTURE LOCATED IN THE LOWER PART OF THE TRUNK, CONNECTING THE UPPER BODY TO THE LOWER LIMBS. IT CONSISTS OF SEVERAL BONES, INCLUDING THE SACRUM, COCCYX, AND TWO HIP BONES, ALSO KNOWN AS COXAL BONES. THE PELVIC CAVITY HOUSES IMPORTANT REPRODUCTIVE, URINARY, AND GASTROINTESTINAL ORGANS, MAKING ITS ANATOMY ESSENTIAL FOR MULTIPLE PHYSIOLOGICAL FUNCTIONS. THE PELVIS CAN BE DIVIDED INTO TWO MAIN SECTIONS: THE GREATER (OR FALSE) PELVIS AND THE LESSER (OR TRUE) PELVIS. UNDERSTANDING THESE DIVISIONS HELPS IN ASSESSING VARIOUS MEDICAL CONDITIONS AND SURGICAL INTERVENTIONS.

THE GREATER AND LESSER PELVIS

THE GREATER PELVIS IS THE UPPER PORTION THAT SUPPORTS THE ABDOMINAL ORGANS, WHILE THE LESSER PELVIS IS THE LOWER PART THAT CONTAINS THE REPRODUCTIVE ORGANS AND THE RECTUM. THE DISTINCTION BETWEEN THESE TWO PARTS IS CRUCIAL WHEN ANALYZING PELVIC FLOOR DISORDERS OR PLANNING SURGICAL APPROACHES. THE PELVIC INLET SEPARATES THE GREATER AND LESSER PELVIS, WITH THE PELVIC OUTLET MARKING THE LOWER BOUNDARY. THIS ANATOMICAL UNDERSTANDING IS VITAL FOR CLINICIANS AND SURGEONS WHO DEAL WITH OBSTETRIC AND GYNECOLOGICAL PROCEDURES.

THE STRUCTURE OF THE PELVIS

THE PELVIS IS A COMPLEX STRUCTURE COMPRISED OF BONES AND ASSOCIATED LIGAMENTS, AS WELL AS VARIOUS MUSCLES THAT PROVIDE SUPPORT AND FACILITATE MOVEMENT. EACH COMPONENT PLAYS A SIGNIFICANT ROLE IN MAINTAINING PELVIC INTEGRITY AND FUNCTION.

BONES OF THE PELVIS

THE PELVIC BONES INCLUDE:

- **HIP BONES (COXAL BONES):** EACH HIP BONE IS FORMED BY THE FUSION OF THREE BONES: THE ILIUM, ISCHIUM, AND PUBIS.

THESE BONES PROVIDE SUPPORT AND STRUCTURE TO THE PELVIS.

- **SACRUM:** THE SACRUM IS A TRIANGULAR BONE THAT CONSISTS OF FIVE FUSED VERTEBRAE. IT CONNECTS THE SPINE TO THE PELVIS AND FORMS THE BACK PART OF THE PELVIC CAVITY.
- **COCCYX:** COMMONLY KNOWN AS THE TAILBONE, THE COCCYX IS MADE UP OF THREE TO FIVE FUSED VERTEBRAE AND SERVES AS AN ATTACHMENT POINT FOR LIGAMENTS AND MUSCLES.

LIGAMENTS OF THE PELVIS

THE PELVIS IS STABILIZED BY SEVERAL LIGAMENTS THAT CONNECT BONES AND SUPPORT ORGANS. KEY LIGAMENTS INCLUDE:

- **SACROILIAC LIGAMENTS:** THESE LIGAMENTS CONNECT THE SACRUM TO THE ILIUM AND HELP ABSORB SHOCK DURING MOVEMENT.
- **PUBIC SYMPHYSIS:** THIS CARTILAGINOUS JOINT CONNECTS THE TWO PUBIC BONES AND ALLOWS FOR SLIGHT MOVEMENT, ESSENTIAL DURING CHILDBIRTH.
- **PELVIC FLOOR MUSCLES:** THESE MUSCLES FORM A SUPPORTIVE HAMMOCK ACROSS THE BOTTOM OF THE PELVIS, PLAYING A CRITICAL ROLE IN ORGAN SUPPORT AND FUNCTION.

FUNCTIONS OF THE PELVIS

THE PELVIS SERVES MULTIPLE ESSENTIAL FUNCTIONS IN THE HUMAN BODY, INCLUDING SUPPORT, PROTECTION, AND MOVEMENT. EACH OF THESE FUNCTIONS CONTRIBUTES TO OVERALL HEALTH AND WELL-BEING.

SUPPORT OF ORGANS

ONE OF THE PRIMARY FUNCTIONS OF THE PELVIS IS TO PROVIDE STRUCTURAL SUPPORT FOR THE ORGANS WITHIN THE PELVIC CAVITY. THIS INCLUDES:

- **REPRODUCTIVE ORGANS:** IN FEMALES, THE UTERUS, OVARIES, AND FALLOPIAN TUBES ARE SUPPORTED BY THE PELVIC STRUCTURE.
- **URINARY BLADDER:** THE BLADDER IS SITUATED IN THE LESSER PELVIS, AND ITS POSITION IS MAINTAINED BY THE PELVIC FLOOR MUSCLES.
- **RECTUM:** THE RECTUM IS ALSO SUPPORTED BY PELVIC STRUCTURES, MAKING THE PELVIC ANATOMY CRUCIAL FOR BOWEL FUNCTION.

FACILITATION OF MOVEMENT

THE PELVIS FACILITATES MOVEMENT BY ACTING AS A POINT OF ATTACHMENT FOR MUSCLES AND LIGAMENTS. IT ALLOWS FOR:

- **LOCOMOTION:** THE PELVIS PLAYS AN ESSENTIAL ROLE IN WALKING AND RUNNING BY TRANSFERRING WEIGHT BETWEEN THE UPPER AND LOWER BODY.
- **CHILDBIRTH:** DURING LABOR, THE PELVIS MUST ADAPT TO ALLOW FOR THE PASSAGE OF THE BABY, HIGHLIGHTING THE

IMPORTANCE OF PELVIC FLEXIBILITY.

- **POSTURE:** THE STABILIZATION OF THE PELVIS IS CRUCIAL FOR MAINTAINING PROPER POSTURE AND BALANCE.

COMMON PELVIC DISORDERS

PELVIC DISORDERS CAN AFFECT INDIVIDUALS OF ALL AGES AND GENDERS, LEADING TO VARIOUS HEALTH ISSUES. UNDERSTANDING THESE DISORDERS IS ESSENTIAL FOR EFFECTIVE DIAGNOSIS AND TREATMENT.

PELVIC FLOOR DISORDERS

PELVIC FLOOR DISORDERS ENCOMPASS A RANGE OF CONDITIONS THAT OCCUR WHEN THE PELVIC FLOOR MUSCLES AND TISSUES BECOME WEAKENED OR DAMAGED. COMMON ISSUES INCLUDE:

- **PELVIC ORGAN PROLAPSE:** THIS OCCURS WHEN PELVIC ORGANS, SUCH AS THE BLADDER OR UTERUS, DESCEND INTO THE VAGINAL CANAL DUE TO WEAKENED PELVIC SUPPORT.
- **URINARY INCONTINENCE:** THIS IS CHARACTERIZED BY INVOLUNTARY LEAKAGE OF URINE, OFTEN CAUSED BY WEAKENED PELVIC MUSCLES.
- **FECAL INCONTINENCE:** THIS CONDITION INVOLVES THE INABILITY TO CONTROL BOWEL MOVEMENTS, WHICH CAN BE DISTRESSING AND IMPACT QUALITY OF LIFE.

CHRONIC PELVIC PAIN

CHRONIC PELVIC PAIN CAN ARISE FROM VARIOUS FACTORS, INCLUDING INFECTION, INFLAMMATION, OR STRUCTURAL ABNORMALITIES. CONDITIONS CONTRIBUTING TO CHRONIC PELVIC PAIN MAY INCLUDE:

- **ENDOMETRIOSIS:** A CONDITION WHERE TISSUE SIMILAR TO THE UTERINE LINING GROWS OUTSIDE THE UTERUS, LEADING TO PAIN AND DISCOMFORT.
- **INTERSTITIAL CYSTITIS:** THIS IS CHARACTERIZED BY BLADDER PAIN AND FREQUENT URINATION, OFTEN WITHOUT A CLEAR CAUSE.
- **PELVIC INFLAMMATORY DISEASE (PID):** AN INFECTION OF THE FEMALE REPRODUCTIVE ORGANS THAT CAN LEAD TO CHRONIC PAIN IF NOT TREATED PROMPTLY.

IMPORTANCE OF PELVIC HEALTH

MAINTAINING PELVIC HEALTH IS CRUCIAL FOR OVERALL WELL-BEING AND QUALITY OF LIFE. AWARENESS AND PROACTIVE CARE CAN PREVENT MANY PELVIC DISORDERS AND ENHANCE QUALITY OF LIFE.

REGULAR EXERCISE AND STRENGTHENING

ENGAGING IN REGULAR PHYSICAL ACTIVITY AND SPECIFIC PELVIC FLOOR EXERCISES, SUCH AS KEGEL EXERCISES, CAN STRENGTHEN THE PELVIC MUSCLES AND IMPROVE SUPPORT FOR PELVIC ORGANS. THIS CAN HELP PREVENT CONDITIONS LIKE URINARY

REGULAR CHECK-UPS

ROUTINE MEDICAL CHECK-UPS ARE ESSENTIAL FOR EARLY DETECTION AND MANAGEMENT OF POTENTIAL PELVIC DISORDERS. WOMEN, IN PARTICULAR, SHOULD UNDERGO REGULAR GYNECOLOGICAL EXAMINATIONS TO MONITOR PELVIC HEALTH. MEN SHOULD ALSO BE AWARE OF THEIR PELVIC HEALTH AND SEEK MEDICAL ADVICE IF THEY EXPERIENCE SYMPTOMS.

EDUCATION AND AWARENESS

EDUCATING ONESELF ABOUT PELVIC ANATOMY AND POTENTIAL DISORDERS CAN EMPOWER INDIVIDUALS TO TAKE CHARGE OF THEIR HEALTH. UNDERSTANDING THE IMPORTANCE OF PELVIC HEALTH CAN LEAD TO BETTER OUTCOMES AND IMPROVED QUALITY OF LIFE.

IN SUMMARY, PELVIC ANATOMY IS A CRITICAL ASPECT OF HUMAN BIOLOGY THAT SERVES NUMEROUS FUNCTIONS, FROM SUPPORTING VITAL ORGANS TO FACILITATING MOVEMENT. A THOROUGH UNDERSTANDING OF THE PELVIC STRUCTURE, ITS FUNCTIONS, AND THE DISORDERS THAT CAN AFFECT IT IS ESSENTIAL FOR BOTH HEALTHCARE PROFESSIONALS AND INDIVIDUALS. BY PRIORITIZING PELVIC HEALTH THROUGH AWARENESS, EXERCISE, AND REGULAR MEDICAL CHECK-UPS, INDIVIDUALS CAN ENHANCE THEIR OVERALL WELL-BEING AND PREVENT MANY COMMON PELVIC ISSUES.

Q: WHAT ARE THE MAIN COMPONENTS OF PELVIC ANATOMY?

A: THE MAIN COMPONENTS OF PELVIC ANATOMY INCLUDE THE HIP BONES (ILIUM, ISCHIUM, PUBIS), SACRUM, COCCYX, PELVIC LIGAMENTS, AND PELVIC FLOOR MUSCLES. THESE STRUCTURES WORK TOGETHER TO SUPPORT THE ORGANS HOUSED WITHIN THE PELVIC CAVITY.

Q: HOW DOES THE PELVIS CONTRIBUTE TO CHILDBIRTH?

A: THE PELVIS CONTRIBUTES TO CHILDBIRTH BY PROVIDING A PASSAGEWAY FOR THE BABY TO EXIT THE WOMB. THE PELVIC INLET AND OUTLET ADAPT TO ACCOMMODATE THE BABY'S HEAD AND BODY DURING DELIVERY, WHICH IS CRITICAL FOR A SUCCESSFUL BIRTH.

Q: WHAT EXERCISES CAN HELP STRENGTHEN THE PELVIC FLOOR?

A: EXERCISES THAT CAN STRENGTHEN THE PELVIC FLOOR INCLUDE KEGEL EXERCISES, WHICH INVOLVE CONTRACTING AND RELAXING THE PELVIC FLOOR MUSCLES. OTHER ACTIVITIES SUCH AS PILATES AND YOGA CAN ALSO ENHANCE PELVIC STRENGTH AND FLEXIBILITY.

Q: WHAT ARE THE SYMPTOMS OF PELVIC ORGAN PROLAPSE?

A: SYMPTOMS OF PELVIC ORGAN PROLAPSE MAY INCLUDE A FEELING OF HEAVINESS OR PRESSURE IN THE PELVIC REGION, BULGING OR PROTRUSION FROM THE VAGINAL CANAL, URINARY INCONTINENCE, AND DIFFICULTY WITH BOWEL MOVEMENTS.

Q: HOW CAN I MAINTAIN PELVIC HEALTH?

A: MAINTAINING PELVIC HEALTH INVOLVES REGULAR EXERCISE, PRACTICING PELVIC FLOOR STRENGTHENING EXERCISES, SCHEDULING ROUTINE MEDICAL CHECK-UPS, AND BEING AWARE OF ANY CHANGES OR SYMPTOMS THAT MAY INDICATE PELVIC DISORDERS.

Q: WHAT IS THE ROLE OF THE PELVIC FLOOR MUSCLES?

A: THE PELVIC FLOOR MUSCLES SUPPORT THE BLADDER, UTERUS, AND RECTUM, MAINTAINING THEIR POSITION IN THE PELVIC CAVITY. THEY ALSO PLAY A CRUCIAL ROLE IN URINARY AND BOWEL CONTROL AND CONTRIBUTE TO SEXUAL FUNCTION.

Q: CAN MEN EXPERIENCE PELVIC DISORDERS?

A: YES, MEN CAN EXPERIENCE PELVIC DISORDERS, INCLUDING PELVIC PAIN, URINARY ISSUES, AND CONDITIONS SUCH AS PROSTATITIS. AWARENESS OF PELVIC HEALTH IS IMPORTANT FOR BOTH GENDERS.

Q: WHAT IS CHRONIC PELVIC PAIN, AND WHAT CAUSES IT?

A: CHRONIC PELVIC PAIN IS PERSISTENT PAIN IN THE PELVIC REGION THAT LASTS FOR SIX MONTHS OR LONGER. IT CAN BE CAUSED BY VARIOUS FACTORS, INCLUDING ENDOMETRIOSIS, PELVIC INFLAMMATORY DISEASE, OR STRUCTURAL ABNORMALITIES.

Q: HOW DO HORMONES AFFECT PELVIC HEALTH?

A: HORMONES PLAY A SIGNIFICANT ROLE IN PELVIC HEALTH, PARTICULARLY ESTROGEN AND PROGESTERONE, WHICH INFLUENCE THE MENSTRUAL CYCLE AND CAN AFFECT THE STRENGTH OF PELVIC TISSUES. HORMONAL CHANGES, SUCH AS DURING MENOPAUSE, CAN LEAD TO PELVIC FLOOR WEAKNESS.

Q: WHAT LIFESTYLE CHANGES CAN IMPROVE PELVIC HEALTH?

A: LIFESTYLE CHANGES THAT CAN IMPROVE PELVIC HEALTH INCLUDE MAINTAINING A HEALTHY WEIGHT, ENGAGING IN REGULAR PHYSICAL ACTIVITY, PRACTICING GOOD POSTURE, AVOIDING HEAVY LIFTING, AND STAYING HYDRATED.

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general surgeons, subspecialists, nurses, and medical students with an interest in gynecology. - Enhanced eBook version included with purchase, which allows you to access all of the text, figures, and references from the book on a variety of devices.

pelvic anatomy: *Atlas of Laparoscopic Gynecological Anatomy* Helizabet Salomão Ayroza, Paulo Ayroza Ribeiro, 2024-11-01 This book allows readers to gain a comprehensive understanding of gynecological surgical anatomy from a laparoscopic perspective. In recent years, with the growing number of gynecological surgical procedures performed by laparoscopy, many surgeons are faced with a “new” anatomy, not yet presented in traditional books. Addressing this gap in the literature and written in a colloquial style, this book presents much-needed information, especially regarding the spaces and the vessels, as well as numerous surgical tips and tricks. Focusing on retroperitoneal dissection, gynecological oncology and endometriosis, the book is intended for surgeons (gynecologists, urologists, general surgeons and others) interested in performing advanced pelvic surgery, offering them insights into how to transfer their knowledge of the traditional open surgery anatomy to the laparoscopic anatomy. Further, the book addresses 2D visualization and changes in the angle of visualization. The Atlas of Laparoscopic Gynecological Anatomy includes photos, surgical videos, drawings and figures to help readers quickly grasp the new concepts and to enhance the teaching power of the text.

pelvic anatomy: *Anatomy* Raymond E. Papka, 1995-01-26 Since 1975, the Oklahoma Notes have been among the most widely used reviews for medical students preparing for Step 1 of the United States Medical Licensing Examination. OKN: Anatomy takes a unified approach to the subject, covering Embryology, Neuroanatomy, Histology, and Gross Anatomy. Like other Oklahoma Notes, Anatomy contains self-assessment questions, geared to the current USMLE format; tables and figures to promote rapid self-assessment and review; a low price; and coverage of just the information needed to ensure Boards success.

pelvic anatomy: *Biomechanics of the Female Pelvic Floor* Lennox Hoyte, Margot Damaser, 2016-03-01 Biomechanics of the Female Pelvic Floor, Second Edition, is the first book to specifically focus on this key part of women's health, combining engineering and clinical expertise. This edited collection will help readers understand the risk factors for pelvic floor dysfunction, the mechanisms of childbirth related injury, and how to design intrapartum preventative strategies, optimal repair techniques, and prostheses. The authors have combined their expertise to create a thorough, comprehensive view of female pelvic floor biomechanics in order to help different disciplines discuss, research, and drive solutions to pressing problems. The book includes a common language for the design, conduct, and reporting of research studies in female PFD, and will be of interest to biomechanical and prosthetic tissue engineers and clinicians interested in female pelvic floor dysfunction, including urologists, urogynecologists, maternal fetal medicine specialists, and physical therapists. - Contains contributions from leading bioengineers and clinicians, and provides a cohesive multidisciplinary view of the field - Covers causes, risk factors, and optimal treatment for pelvic floor biomechanics - Combines anatomy, imaging, tissue characteristics, and computational modeling development in relation to pelvic floor biomechanics

pelvic anatomy: *Berek & Novak's Gynecology Essentials* Jonathan S. Berek, 2020-04-21 Derived from the bestselling Berek & Novak's Gynecology, this concise, easily accessible reference presents essential information in gynecology in a highly readable, fully illustrated format. Berek & Novak's Gynecology Essentials includes the most clinically relevant chapters, tables, and figures from the larger text, carefully compiled and edited by Dr. Berek and ideally suited for residents, nurse practitioners, physician assistants, midwives, and other healthcare providers.

pelvic anatomy: *Female Pelvic Reconstructive Surgery* Stuart L. Stanton, Philippe Zimmern, 2012-12-06 Interest in pelvic floor reconstruction has grown rapidly in recent years with increasing collaboration between urologists, gynecologists and colorectal surgeons, making this an area of interdisciplinary care. Female Pelvic Reconstructive Surgery, reflecting this multi-disciplinary field, is edited by Stuart L. Stanton, Urogynaecologist at St George's Hospital Medical School, University of London, and Philippe Zimmern, leading US Urologist at the University of Texas, with

contributions by internationally known and experienced clinicians. The book covers the surgical anatomy, urinary and faecal incontinence and their treatment, prolapse surgery, fistulae and post-operative management. With a practical slant on operative techniques, this book is well illustrated, up-to-date and authoritative.

pelvic anatomy: MRI and CT of the Female Pelvis Bernd Hamm, Rosemarie Forstner, 2007-01-19 MRI and CT exquisitely depict the anatomy of the female pelvis and offer fascinating diagnostic possibilities in women with pelvic disorders. This volume provides a comprehensive account of the use of these cross-sectional imaging techniques to identify and characterize developmental anomalies and acquired diseases of the female genital tract. Both benign and malignant diseases are considered in depth, and detailed attention is also paid to normal anatomical findings and variants. Further individual chapters focus on the patient with pelvic pain and the use of MRI for pelvimetry during pregnancy and the evaluation of fertility. Throughout, emphasis is placed on the most recent diagnostic and technical advances, and the text is complemented by many detailed and informative illustrations. All of the authors are acknowledged experts in diagnostic imaging of the female pelvis, and the volume will prove an invaluable aid to everyone with an interest in this field.

pelvic anatomy: Multidisciplinary Management of Female Pelvic Floor Disorders Christopher R. Chapple, 2006-01-01 This new reference distinguishes itself through its comprehensive presentation of female urology from an international, multidisciplinary perspective. Written by a team of authorities, all world renowned in their respective fields, the book covers the full range of disorders from urinary incontinence and overactive bladder, to fistulae and reconstructive surgery, while paying particular attention to anatomy, pathophysiology and investigations. Takes a multidisciplinary approach to all aspects of the bladder (including DI, sensory disorders, stress incontinence), vagina (prolapse), sexual dysfunction, pelvic pain, pan-pelvic floor pathology, and more. Elucidates difficult concepts through a wealth of full-color illustrations throughout the text. Features a multidisciplinary team of distinguished international authors. Maintains clinical relevance by omitting extraneous discussions of history and basic science. Summarizes the essentials for quick reference through Key Points Boxes at the beginning of each chapter. Highlights medical and surgical treatment options in colored boxes for fast reference to critical information. Covers the latest developments in pharmacology to keep you up to date with all available alternatives. Offers a detailed appendix, which lists current ICS guidelines.

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Walker-Smith, Simon Murch, 1999-05-13 Provides a review of diseases of the small intestine in children, with an emphasis upon a discussion of their causes, clinical manifestations and the newer techniques which are used in diagnosis as well as modern methods of management. The book will be of value to the consultant paediatrician and paediatric surgeon as well as to the paediatric registrar and house officer as a practical guide to their understanding of these diseases. It is also intended for adult physicians, gastroenterologists and surgeons who wish to survey the clinical spectrum of disease of the small intestine in childhood.

pelvic anatomy: Gynaecological Endoscopic Surgery Jude Ehiabhi Okohue, Joseph Ifeanyichukwu Ikechebelu, Bolarinde Ola, Emmanuel Kalu, Okechukwu Ibeanu, 2022-12-07 This textbook embraces most aspects of gynaecological laparoscopy and hysteroscopy and it aims to present a comprehensive coverage of gynaecological minimal access surgeries with excellent medical illustrations. The reader is taken on a journey that includes the history of minimal access surgery, instrumentation and ergonomics required to progress in the field, capturing practical learning steps and navigating the reader through the diagnostic and therapeutic applications. In addition, it describes the latest technological advancement in the field, backed with high current best evidence. The authors are practicing specialists drawn from five continents who brought their wealth of experience and expertise to bear in this book. This textbook targets a global audience of practicing and trainee doctors in general gynaecology, subspecialists, and those with relevant special interests in gynaecological endoscopy surgery.

pelvic anatomy: Clinical Obstetrics and Gynaecology E-Book Andrew Thomson, Philip Owen, Brian A. Magowan, 2018-03-29 The fourth edition of this highly regarded textbook has been thoroughly overhauled. There is ■ a new chapter bridging the gap between learning and doing (On-Call); ■ new coverage of FGM and the Zika virus; ■ sepsis has been updated; ■ there is access to a further five chapters; ■ there are ten videos to guide learners through the more difficult, complex issues they might face in O&G; ■ and new self-assessment has been written to help with testing understanding. - Key points boxes throughout - Full-colour illustrations throughout - Over 350 illustrations - Comprehensive coverage - New chapter covering On Call O&G with practical guidance and steps for acute and important issues likely to be encountered (hypertension, sepsis, bleeding, labour-ward emergencies etc.). - New sections on FGM. - Expanded areas in medical disorders in pregnancy and mental illness. - Comes with an e-book on StudentConsult. - Ten videos with experts guiding viewers through a range of essential issues, from on-call scenarios to fetal medicine. - Self-assessment. Over 40 SBAs and case-based questions.

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