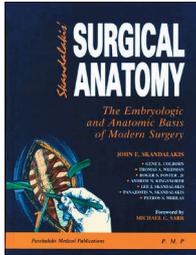


Skandalakis' Surgical Anatomy

The Embryology and Anatomic Basis of Modern Surgery



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التشريح الجراحي لسكاندلاكيز علم الأجنة والأساس التشريحي للجراحة الحديثة

رئيس التحرير: جون اي. سكاندلاكيز

AUTHOR INFORMATION

The Editor-in-chief of this book, Prof. Skandalakis, is a Greek-American academic scholar from Emory University, Atlanta, Georgia, USA. He has published a vast number of scientific publications and books. Several recognized other scholars from around the world have contributed in writing the different chapters.

The book is based on the half-century experience of the editor-in-chief in teaching anatomy. The purpose of the book is to provide brief facts on embryology and surgical anatomy with special reference to their surgical implications.

The contents come in two volumes with a total 29 chapters. The book contains many good cadavric illustrations of anatomy and drawings of embryology to illustrate the text. Also there are tables to summarize historical aspects of anatomy and surgery. A large number of references are also given for those wishing to further explore any given subject. Every chapter has the same well organised, logical format i.e.: i) History ii) Embryogenesis iii) Surgical anatomy, with the help of illustrations and land marking and some flow charts. In some sections, there are also descriptions of histology and minimally invasive surgery.

Chapter 1 describes the neck and its important anatomical triangles with its surgical implications, and the

following chapters the thoracic wall, breast, mediastinum with its related organs, the respiratory system, the heart and the great thoracic vessels and the diaphragm in the same format. In Chapter 9, the anatomy of the abdominal wall is described enabling the reader to fully understand the inguinal anatomy and, thus, how inguinal hernias arise. This chapter also covers the laparoscopic aspect of hernia surgery.

The following two chapters cover the peritoneum and retro-peritoneum with tabulation of omental development from childhood to adulthood. he describes the peritoneal spaces, internal herniation, and its good anatomical relation. Next, there is an excellent description of the aorta and the inferior vena cava. The course and variation of the vessels is described. Also various vessel injuries are classified with related degrees of ischemia, the anatomical relations and other surgical complications. The pharynx follows and then a detailed description of the esophagus with emphasis on the

surgical importance of sphincter, and the esophageal stabilizing structure. Various open or laparoscopic surgical options are discussed. In the chapter on the stomach, the emphasis is on vascular and lymphatic supply and its importance regarding the metastasis of tumours. The peptic ulcer with its contributing factors and different surgical options in this context are also mentioned. Chapters 16, 17 and 18 are devoted to the small intestine, the appendix and the colon, respectively. The liver is described in detail with variations in arterial supply, bile duct, hepatic, venous anatomy as well as the segmental anatomy of the liver. All of this is well illustrated and the facts are nicely tabulated. Injuries to the liver are also mentioned as well as anatomical complications of liver transplantation. The author then focuses on the gall bladder with the treacherous variations of bile duct anatomy and discusses important points on how to avoid complications. In the subsequent chapters the spleen, the kidneys, the ureter, the urinary bladder, the male and female genital system, the adrenal gland, the perineum and the lymphatic system are also described.

This book would be a helpful reference book for the surgical resident and would also serve as a quick anatomical refresher for the practicing surgeon. The medical student or intern aiming at a surgical career, would be well served reading selected chapters from this book before assisting in surgeries. The author cov-

ers all important and relevant aspects of the embryology and surgical anatomy. New interventions, such as minimally invasive surgery, are also included to some extent. All topics and material are in proper, logical sequence and well integrated. The contents and the layout of the book, make it highly appropriate to the target readership, surgical residents, practising surgeons, interns and medical students.

In summary, this is an excellent book. Although not unique, it is well-written and graphically palatable for any surgeon, present or prospective, wishing to get a better understanding of human anatomy and thus avoid the pitfalls and improve the chances of surgical success.

REVIEWERS

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