

<<组织学技术>>

图书基本信息

书名：<<组织学技术>>

13位ISBN编号：9787811165777

10位ISBN编号：7811165775

出版时间：2008-7

出版时间：北京大学医学出版社

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页数：725

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前言

In the 30 years since the first edition of this book, histotechnology has continued to develop into a highly complex branch of laboratory medicine. Immunohistochemistry, in situ hybridization, molecular pathology, genetic testing and laser capture are all techniques currently in use to establish a diagnosis or to assess the changes occurring in tissues and cells in the disease process. Far more information can be obtained from these techniques than from many of the empirical methods used previously, but knowledge of the old and new is required by trained and trainee histotechnologists as well as the pathologist. The successful training of laboratory staff of all grades requires a thorough grounding in all aspects of histological techniques. In producing this edition, we continued to be faced with the problem of achieving a balance between the new and old technology. To help achieve this some chapters from the last edition have been amalgamated to allow the introduction of the new material. There are a number of new chapters and contributors for this edition. The new chapters include The gross room/surgical cutup by Paul Billings and William Grizzle, Tissue microarray by Wanda Grace-Jones, Genetic testing by Caroline Astbury, Laser microdissection by Diane Sterchi, and Jan Minshew has written Ergonomics.

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内容概要

《组织学技术（第6版）（英文影印版）》自1977年第一版问世以来，历经修订，已成为全世界组织学家，病理学家的重要工具书。

《组织学技术（第6版）（英文影印版）》内容全面，涵盖了组织学技术的方方面面，既包括传统的常用技术，又介绍了近年来新发展的、有较高实用价值的新技术。

各章节分别论述了光镜、组织固定、样本处理、冰冻切片、石蜡切片、酶组织学、免疫组化、免疫荧光、组织芯片、原位杂交、荧光原位杂交、激光显微解剖、电镜等技术；对于结缔组织、糖类，脂类、蛋白质、核酸、色素及矿物质、淀粉、神经内分泌颗粒。

微体、骨。

神经系统等相关的组织学技术也予专门章节讲述；另外还涉及了显微镜样品定量，实验室安全及管理，以及人体工程学等相关内容。

既介绍各技术的理论、机制，又讲述其应用价值，特别是对有重要诊断意义的技术予以重点论述，凸现了组织学技术对临床实践的意义。

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 5. The Gross Room/Surgical Cutup Paul E . Billings and William E . Grizzle
 6. Tissue Processing Lena T . Spencer and John D . Bancroft
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章节摘录

Medicine itself is a risky business , which requires careful clinical management.Histopathology is a significant aspect of the medical risk management process.The surgical biopsy is sent for histopathological assessment to corroborate or dispute the clinical diagnosis by providing confirmation of data provided from other diagnostic tests.It gives the clinician valuable information on how to proceed with the treatment of the disease.Major resections are referred to the laboratory to confirm the diagnosis , and in the case of malignant tumors to ensure that there are adequate resection margins , to determine the extent of lymphatic involvement and/or direct spread , and to stage and classify the disease.Autopsies provide definitive data for medical audit , and can be used to determine where medical procedures have been ineffective and also to give additional data for the future treatment of other patients with similar medical conditions.……

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