Histopathological Image Analysis in Medical Decision Making

Part of the Advances in Medical Technologies and Clinical Practice Book Series

Nilanjan Dey (Techno India College of Technology, India), Amira S. Ashour (Tanta University, Egypt), Harihar Kalia (Seemantha Engineering College, India), R.T. Goswami (Techno India College of Technology, India) and Himansu Das (KIIT University, India)

Description:
Medical image technologies play a significant role in visualization and interpretation methods in medical diagnosis and practice using decision making, pattern classification, diagnosis, and learning. Progressions in the field of medical imaging lead to interdisciplinary discovery in microscopic image processing and computer-assisted diagnosis systems, and aids physicians in the diagnosis and early detection of diseases.

Histopathological Image Analysis in Medical Decision Making provides emerging research exploring the theoretical and practical applications of image technologies and feature extraction procedures within the medical field. Featuring coverage on a broad range of topics such as image classification, digital image analysis, and prediction methods, this book is ideally designed for medical professionals, system engineers, medical students, researchers, and medical practitioners seeking current research on problem-oriented processing techniques in imaging technologies.

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Topics Covered:
- Computer-Assisted Diagnosis
- Diagnostic Tools
- Digital Image Analysis
- Fractal Geometry
- Image Algorithm
- Image Classification
- Image Processing
- Image Segmentation
- Medical Imaging
- Multi-Criteria Decisions
- Prediction Methods
- Telemedicine

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