**Springer**1st
edition1st ed. 2019, X, 164 p. 16
illus., 8 illus. in color.**Printed book**

Hardcover

Printed book

Hardcover

ISBN 978-981-13-2296-9

\$ 159,99

Available

Discount group

Medical (6)

Product category

Contributed volume

SeriesCurrent Human Cell Research and
Applications**Other renditions**

Softcover

ISBN 978-981-13-4761-0

Medicine : Forensic Medicine

Ishikawa, Takaki (Ed.), Osaka City University Medical School, Osaka, Japan

Forensic Medicine and Human Cell Research

New Perspective and Bioethics

- Reviews the application of biochemical and molecular pathologies, not only to autopsies but also to the field of clinical medicine in general
- Presents new findings based on data concerning postmortem biochemistry and molecular biology collected from approximately 1000 people
- A valuable guide for researchers in the field of forensic medicine and pathology, and for clinicians

This volume reviews the application of biochemical and molecular pathologies, which are based on conventional pathomorphology, toxicology, and DNA analysis technologies, not only to autopsies but also to the field of clinical medicine in general. The systematic and integrated use of biochemical, immunohistochemical, and molecular pathology, toxicology, DNA analysis, and cell culture investigations reinforces the pathophysiological diagnostic criteria in a forensic autopsy for clinical diagnosis. The use of these technologies can help to determine the cause and process of death and characterize the functional pathophysiological changes in the body that occur during the death process. Recently, the systematization of the latest supplemental tests, diagnostic methods, and quality control has allowed us to conduct comprehensive data collection and analysis for a range of diseases. This book presents the latest findings on the pathology of a broad range of human diseases, based on data concerning postmortem biochemistry and molecular biology collected from approximately 1000 people. Further, it puts forward a code of ethics for undertaking pathophysiological research and describes research techniques for uncovering pathophysiological mechanisms. As such, it offers a unique resource for researchers in the field of forensic medicine and pathology, and for clinicians.

Order online at [springer.com/booksellers](https://www.springer.com/booksellers)**Springer Nature Customer Service Center LLC**

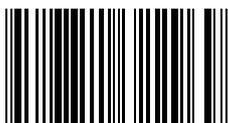
233 Spring Street

New York, NY 10013

USA

T: +1-800-SPRINGER NATURE

(777-4643) or 212-460-1500

customerservice@springernature.com

ISBN 978-981-13-2296-9 / BIC: MMQ / SPRINGER NATURE: SCH23007

Prices and other details are subject to change without notice. All errors and omissions excepted. Americas: Tax will be added where applicable. Canadian residents please add PST, QST or GST. Please add \$5.00 for shipping one book and \$ 1.00 for each additional book. Outside the US and Canada add \$ 10.00 for first book, \$5.00 for each additional book. If an order cannot be fulfilled within 90 days, payment will be refunded upon request. Prices are payable in US currency or its equivalent.

Part of **SPRINGER NATURE**