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Titolo	Atlas on the human testis : normal morphology and pathology // Davor Jezek, editor
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Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (287 p.)
Altri autori (Persone)	JezekDavor
Disciplina	616.6 616.68
Soggetti	Testis
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	"Open" Biopsy of the Testis and Testicular Sperm Extraction -- MicroTESE and Embryo Development -- Histologic Procedures and Testicular Biopsy Freezing -- Early Development of the Human Testis -- The Fetal Human Testis -- The Testis in Childhood between Birth and Puberty -- Normal Morphology of the Human Testis and Epididymis -- Damage of Spermatogenesis -- Inflammatory Conditions of the Testis -- Cryptorchidism (Undescended Testis) -- Klinefelter's Syndrome -- Testicular Dysgenesis Syndrome and Carcinoma In Situ Testis -- Tumors of the Testis and Epididymis -- Congenital Testis Pathology -- Vascular Testis Pathology -- New Approaches to Diagnosing Male Infertility, Part I: Microarray Analysis of Testicular Biopsy Specimens from Men with Intact and Impaired Spermatogenesis -- New Approaches to Diagnosing Male Infertility, Part II: The Role of Confocal Microscopy and Three-Dimensional Reconstruction in Visualization of Reinke's Crystals.
Sommario/riassunto	Atlas on the Human Testis: Normal Morphology and Pathology presents histological illustrative material from paraffin and semi-thin sections of the human testis which are routinely used in the assessment of testicular morphology, allowing an early detection of carcinoma in situ and more advanced pathological changes of the testicular parenchyma. The early detection of cancer in situ is based on the careful morphological investigation of the biopsy and immunohistochemistry (IHC). Therefore, this atlas contains detailed descriptions of IHC

methods as well as modern molecular biological methods such as DNA microarrays and proteomics and advanced microscopy techniques related to the testicular biopsy. Adequate evaluation of the testicular biopsy leads to high cure rates of testicular neoplasms which can be used as a basis to successfully treat infertility in men. Atlas on the Human Testis: Normal Morphology and Pathology is a valuable reference tool which will appeal to andrologists, urologists, pathologists, clinical embryologists, as well as reproductive biology scientists.
