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Titolo	Atlas of Human Sperm Ultrastructural Morphology [[electronic resource] /] / by Wei-Jie Zhu
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Nota di contenuto	Introduction of human sperm ultrastructural morphology -- Ultrastructural morphology of human sperm head -- Ultrastructural morphology of human sperm neck -- Ultrastructural morphology of human sperm middle piece -- Ultrastructural morphology of human sperm principal piece -- Ultrastructural morphology of human sperm terminal piece -- Ultrastructural morphological measurement of human sperm -- Artefacts of human sperm ultrastructural morphology -- Phenomena related to inadequate preparation of human sperm.
Sommario/riassunto	This atlas provides ultrastructural morphological images of human spermatozoa. Sperm morphology plays an essential role in sperm-oocyte interactions and early embryonic development, and human sperm ultrastructural morphology offers a valuable reference tool for assessing certain etiologies of male infertility and reproductive failure. However, the ultrastructural morphology of human sperm has not been

systematically evaluated or thoroughly described in the literature. Using 470 original and unpublished images, the book shows various ultrastructural morphological phenotypes; defects of the sperm head, neck, middle piece, principal piece, and terminal piece; as well as artifacts of sperm ultrastructural morphology and phenomena related to inadequate preparation, demonstrating several sperm phenotypes and surface structural appearances for the first time. As such, it helps researchers and practitioners in andrology, reproductive medicine, and reproductive pathology gain a better understanding of human sperm ultrastructural morphology.