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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Introduction -- The Need for Invasive Sensing -- Requirements for an Invasive Sensor -- Progress in Sensor Biocompatibility -- Implantable Biosensors -- Invasive Sampling -- Microdialysis -- Microdialysis Probe Requirements -- Microdialysis Coupled with Biosensors -- Microdialysis Monitoring -- Conclusion and Future Trends -- Further Information and Advice.
Sommario/riassunto	This volume examines the advances of invasive monitoring by means of biosensors and microdialysis. Physical and physiological parameters are commonly monitored in clinical settings using invasive techniques due to their positive outcome in patients' diagnosis and treatment. Biochemical parameters, however, still rely on off-line measurements and require large pieces of equipment. Biosensing and sampling devices present excellent capabilities for their use in continuous monitoring of patients' biochemical parameters. However, certain issues remain to be solved in order to ensure a more widespread use of these techniques in today's medical practices.