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Titolo	Temporomandibular Joint Total Joint Replacement – TMJ TJR : A Comprehensive Reference for Researchers, Materials Scientists, and Surgeons // edited by Louis G. Mercuri
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Part I Introduction -- Introduction -- TMJ Biomechanics -- TMJ TJR Biomaterials Considerations -- History of TMJ TJR (Mercuri) -- Part II TMJ TJR Devices -- Stock TMJ TJR Devices -- Custom TMJ TJR Devices -- Part III Advanced TMJ TJR Techniques -- TMJ TJR in combination with orthognathic procedures -- Mandibular replacement utilizing TMJ TJR devices -- Part IV Complications -- TMJ TJR surgical Complications, prevention and management -- Material Hypersensitivity -- Tribocorrosion and TMJ TJR devices -- Management of failing and failed TMJ TJR Devices -- Part V Future Considerations -- Bioengineered

This is the first text that deals specifically with TMJ TJR. Each chapter is authored by either a basic science researcher or clinician known for their interest and expertise in this field. The text provides the reader with state-of-the-art analysis of all aspects of total temporomandibular joint replacement (TMJ TJR), starting with cutting-edge evidence on the biomechanics of the TMJ. The intriguing history of TMJ TJR is presented to provide an understanding of why some prior TMJ TJR devices failed and how what was learned from those failures has led to the improvements exhibited in present TMJ TJR devices. Expert chapters discuss both stock and custom designs, their indications and contraindications, primary operative techniques, combined TMJ TJR and orthognathic surgical techniques, and the devices' adaption for use as segmental or total mandibular replacement devices after ablative surgery. Clinical outcomes and avoidance as well as management of complications are detailed. Numerous helpful illustrations and radiographs are presented to assist readers in understanding and carrying out the described procedures. Important evidence from both the orthopedic and TMJ TJR literature relating to material sensitivity and mechanical wear will be reported. Finally, the role bioengineered tissue may hold for the future of TMJ TJR will be discussed.