Temporomandibular disorders (TMDs) refer to an increasingly common condition lately among patients in different age groups coming to our dental offices. The authors dedicated this book to Dr Laszlo Schwartz, who founded the first academic TMJ center in the US. This book is divided into five sections and 17 chapters. In the first section, there are five chapters which tackle the sensory mechanisms of orofacial pain, masticatory myofacial pain, intracapsular inflammation and degeneration, and comorbid conditions. The three chapters of the second section explain the evolution of the pain condition, who will respond positively to treatment and who will come to experience chronic pain. The three chapters of section three discuss the results obtained in a series of studies on the TMJ biomechanics, normal and pathological. The three chapters which make up the fourth section present the different technologies used for diagnostic from imaging to biomarkers that bring new information to the clinician and will enhance their ability to diagnose musculoskeletal pain problems. The last section discusses the development of new pharmacologic agents and highlights many of these future therapeutic possibilities. The authors of this book, Charles S. Greene, DDS and Daniel M. Laskin, DDS, MS rely on their personal research and existing medical publications in order to provide readers with a better understanding of the complexity of the various TMDs, which should help to make their management easier and more successful.