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Nota di contenuto	Scientific and historic precedents / O.H. Frazier, Marianne Bergheim, and Kamuran A. Kadipasaoglu -- Laser-tissue interaction / E. Duco Jansen, and Peter Whittaker -- The biology of laser-tissue interactions: in vivo comparisons and consequences / Peter Whittaker and E. Duco Jansen -- Histopathological effects of transmyocardial laser revascularization on myocardium: assessment of channel patency / Kamuran A. Kadipasaoglu, Egemen Tuzun, and O.H. Frazier -- Animal models of acute and chronic coronary ischemia: effects of TMR on perfusion and left ventricular function / G. Chad Hughes and James E. Lowe -- Selection criteria for sole therapy and adjunctive therapy in combination with coronary artery bypass graft surgery / Charles R. Bridges and Kapil Gopal -- Results of prospective randomized trials / Keith B. Allen and Keith A. Horvath -- Combination therapy with coronary artery bypass grafting / Kapil Gopal and Charles R. Bridges -- Operative techniques of transmyocardial laser revascularization / Keith A. Horvath -- The open channel hypothesis for transmyocardial

revascularization: a re-examination / Peter Whittaker and Chad E. Darling -- Mechanisms of TMR: angiogenesis / Marc P. Pelletier, Varun Kapila, and Ray C.J. Chiu -- Myocardial sinusoids and non-compaction: embryology and relevance to the adult coronary circulation / Ray C.J. Chiu, Stephen J. Korkola and Kevin Lachapelle -- Remodeling of the intrinsic cardiac nervous system following chronic transmural laser therapy / J. Andrew Armour.

Sommario/riassunto

Finally, there is a dependable guide to transmural laser revascularization (TMR). In this groundbreaking volume, clinicians who pioneered the use of this innovative treatment share their insights on the indications, results, mechanisms, and limitations of the technique. Under the careful editorial guidance of Drs. Bridges, Horvath, and Chiu, contributing authors explain: the evolution, science, rationale, and limitations for TMR how to select suitable candidates anesthetic considerations and the role of transesophageal echo TMR as
