

1. Record Nr.	UNINA9911020273103321
Titolo	Myocardial laser revascularization // edited by Charles R. Bridges, Keith A. Horvath, Ray Chu-Jeng Chiu
Pubbl/distr/stampa	Malden, Mass., : Blackwell Futura, 2006
ISBN	9786611320393 9781281320391 1281320390 9780470984833 047098483X 9780470994832 0470994835 9780470994825 0470994827
Edizione	[41th ed.]
Descrizione fisica	1 online resource (186 p.)
Altri autori (Persone)	BridgesCharles R., Jr., <1956-> HorvathKeith A ChiuRay Chu-Jeng
Disciplina	617.4/120598
Soggetti	Myocardial revascularization Lasers in surgery
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
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 transmural 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 transmyocardial laser therapy / J. Andrew Armour.

---

Sommario/riassunto

Finally, there is a dependable guide to transmyocardial 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

---