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Titolo	Contemporary heart transplantation // edited by Linda Bogar, April Stempien-Otero
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ISBN	3-319-58054-X
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Descrizione fisica	1 online resource (74 illus., 56 illus. in color. eReference.)
Collana	Organ and Tissue Transplantation
Disciplina	617.4120592
Soggetti	Heart - Transplantation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Section 1: Historical Background -- History of Heart Transplant -- Immunosuppression related to transplant -- Section 2: Pre-operative evaluation process -- Pathophysiology of heart failure -- Contraindications to heart transplantation -- Psycho-Social considerations -- Multi-disciplinary team input -- Section 3: Organ Allocation -- Current Listing System -- Proposed Changes -- Matching donor to recipient -- Section 4: Organ Procurement -- Organ preservation -- The donor operation -- Ex Vivo perfusion -- Section 5: Transplant Operation -- Surgical techniques -- Surgical Complications -- Section 6: Anesthesia Management -- Anesthesia techniques for heart transplant -- Section 7: Post-operative ICU and hospital management -- Ventilator management -- Weaning of inotropes -- Imaging studies and laboratory testing -- Physical and Occupational therapy -- Section 8: Transplant Immunology -- Induction and maintenance agents -- Complication of immunosuppression -- Rejection -- Section9: Long term outpatient management of the heart transplant patient -- Chronic immunosuppression medications -- Infection prophylaxis -- Monitoring for rejection -- Section 10: Mechanical Support of the pre-transplant patient -- ECMO -- LVAD support -- Section 11: The Contemporary successful Heart transplant program -- Regulatory agencies -- Quality measures -- The financial aspect of the heart transplant program -- The multi-disciplinary approach -- Administrative support of the program -- Section 12:

Special Topics -- Re-transplantation -- Combined Heart transplant with other organ transplantation -- Section 13, Outcomes Data -- Survival data -- Quality of life -- Chronic rejection -- Malignancy after transplant -- Section 14: The future of heart transplantation -- Advances in immunosuppression -- Stem cell therapy -- DCD donor use -- Will we still be doing heart transplants in 10 years.

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Sommario/riassunto

This work provides a one-of-a-kind volume that includes all aspects of heart transplantation from its historic beginning to its current day standards which now make the procedure a long-term treatment option for heart failure patients. The subjects covered include technical aspects of the procurement and implant procedures, as well as the medical nuances of pre-operative preparation and post-transplant immunosuppression management; the current day multi-disciplinary make up of the transplant team along with information on the keys to building and running a successful transplant program; regulatory standards and listing policies and the impact of the growing mechanical circulatory support technologies on the transplant field; and emerging technologies and future possibilities. All chapters are written by experts in the field and include the most up-to-date peer reviewed studies and clinical guidelines. This book gives an ever-changing reference that will become the text of choice for those beginning or continuing their transplant careers.

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