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Titolo	Contemporary Heart Transplantation [[electronic resource] /] / edited by Linda Bogar, April Stempien-Otero
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ISBN	3-319-33280-5
Collana	Organ and Tissue Transplantation, , 2570-1592
Disciplina	617.954
Soggetti	Transplantation of organs, tissues, etc Cardiology Anesthesiology Transplant Surgery
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 immuno suppression -- Stem cell therapy -- DCD donor use -- Will we still be doing heart transplants in 10 years.

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#### Sommario/riassunto

Despite recent advances in mechanical circulatory support, heart transplantation has remained the gold standard for the treatment of patients with advanced heart failure. Since the first heart transplant in 1967, the field has advanced significantly with better outcomes due to improved techniques, advanced immunosuppressive medications, and the development of the multi-disciplinary approach to the management of these unique patients. Contemporary Heart Transplantation 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 provides an ever-changing reference that will become the text of choice for those beginning or continuing their transplant careers.

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