AlloMap molecular expression (XDx Inc.) for detection of heart transplant rejection

Record Status
This is a bibliographic record of a published health technology assessment. No evaluation of the quality of this assessment has been made for the HTA database.

Citation
AlloMap molecular expression (XDx Inc.) for detection of heart transplant rejection. Lansdale: HAYES, Inc.. Genetic Testing Publication. 2011

Authors' objectives
Heart transplantation is a widely accepted therapy for the treatment of end-stage cardiac disease. Approximately 20,000 people in the United States now live with a transplanted heart. Survival is nearly 90% at 1 year, 74.0% at 5 years, and the median survival is more than 10 years. Although long-term outcomes of cardiac transplantations have steadily improved, numerous life-threatening complications persist, including infection, allograft rejection, and allograft vascular disease. Allograft rejection is most frequent within the first month following transplantation and declines progressively thereafter. Endomyocardial biopsy is currently the standard for detecting allograft rejection after heart transplantation. Typically, the patient will have biopsies to monitor for rejection weekly for the first 4 to 6 weeks after transplantation, biweekly until the third month, monthly to 6 months, and then every 1 to 3 months as indicated. However, as endomyocardial biopsies are invasive and have several limitations, alternative noninvasive techniques to detect and monitor allograft rejection, including molecular expression testing, are under investigation.

Final publication URL
The report may be purchased from: http://www.hayesinc.com/hayes/crd/?crd=8915

Indexing Status
Subject indexing assigned by CRD

MeSH
Gene Expression; Graft Rejection; Heart Transplantations

Language Published
English

Country of organisation
United States

English summary
An English language summary is available.

Address for correspondence
HAYES, Inc., 157 S. Broad Street, Suite 200, Lansdale, PA 19446, USA. Tel: 215 855 0615; Fax: 215 855 5218 Email: hayesinfo@hayesinc.com

AccessionNumber
32011001336

Date abstract record published
05/10/2011