

Cardiac Valve Allografts Ii Science And Practice

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Cardiac Valve Allografts Ii Science

CARDIAC VALVE ALLOGRAFTS (HOMOGRAFTS) highlights the current controversy about freehand subcoronary aortic valve and root replacement with regard to postoperative morbidity and long term durability. It discusses particular implantation techniques of preference in young patients and in different root pathology.

Cardiac Valve Allografts Ii: 9783642639159: Medicine ...

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Cardiac Valve Allografts : Science and Practice (eBook ...

Implantation of cardiac valve allografts was found to be associated with the production of donor-specific anti-HLA class I and II antibodies in the majority of our recipients. These results support the assumption that cryopreserved human cardiac valves contain viable cells that are able to express HLA class I and II antigens.

Immunogenic human leukocyte antigen class II antigens on ...

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Cardiac Valve Allografts - A C Yankah, Magdi H Yacoub ...

Valve allografts (four aortic and three pulmonary) were obtained from heart-beating (n = 6) and non-heart-beating (n = 1, patient 1) donors after preparation and cryopreservation according to the Standard Preparation Protocol of the Heart Valve Bank Rotterdam. 9 Three valves were placed in the aortic position and four were used to reconstruct the right ventricular outflow tract.

Donor-specific cellular immune response against human ...

Aortic valve allografts (AVA) have been used for more than 50 years with satisfactory clinical outcomes. Owing to the superior hemodynamic performance compared with stented bioprosthesis, low incidence of thromboembolic events, and resistance to infection, they still should be considered an excellent alternative for selected patients needing aortic valve replacement (AVR) [1, 2].

The Early and Midterm Function of Decellularized Aortic ...

For series II with cryopreserved valves, the mortality was 2.8% \pm 1% (95% confidence limits) (19 deaths). The predominant cause of early death was cardiac failure unrelated to allograft valve dysfunction. At 75 years the actuarial patient survival was 56% \pm 5% (series I) and 62% \pm 5% (series II) (Fig 1).

Allograft aortic valve replacement: Long-term follow-up ...

In a number of studies using this basic fresh valve allografts induce a second set rejection a time period similar to valves incubated in media at 4°C for up to 1 week; valves incubated valve replacement: long-term of the viable cryopreserved and J Cardiac Surg 1991;4(Supp1):534-43.

Structure-function correlations in cryopreserved allograft ...

ISBN: 9783798510647 3798510644: OCLC Number: 37879035: Description: xi, 385 pages : illustrations: Contents: Standards and technical guidelines for heart valve banking / R. Parker --An international survey of allograft valve banks / R. Parker --Homograft viability, assessment and significance / D. Woloszyn, D. Johnson, M.H. Yacoub --Human heart cold ischemia and its effect on post ...

Cardiac valve allografts : science and practice (Book ...

Like to Know More? Cryopreserved Human Tissue What is it? Since 1984, in cooperation with a national network of tissue banks and organ procurement organizations, CryoLife's cryopreserved human tissue continues to provide cardiac surgeons with a variety of preserved implantable tissues, such as aortic valves, pulmonary valves, and patch materials. Through the generous gift of...

Cardiac Allografts - CryoLife, Inc.

In 10 studies, the reported method of long-term storage of cardiac tissue was through cryopreservation, which is storage in the vapour phase of liquid nitrogen in a cryopreservation medium containing 10 % dimethylsulfoxide (DMSO). Most studies did not report a method for allograft preservation.

Disinfection of human cardiac valve allografts in tissue ...

It was the genius of Gordon Murray in Toronto that introduced the use of allografts into cardiac surgery in the 1950s. Soon after this on opposite

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sides of the world, Sir Brian Barratt-Boyes in Auckland, New Zealand, and Mr. Donald Ross in London, undertook to use allografts for the replacement of diseased aortic valves.

Cardiac Valve Allografts 1962-1987 - Current Concepts on ...

For aortic valve replacement in children, homografts do not play a role anymore, homografts play a limited role, due to their poor durability and the higher risk of repeated valve replacements. Mitral valve replacement . Gulbins et al. [9, 10] applied homografts for mitral valve replacement, mostly with endocarditis.

The future of heart valve banking and of homografts ...

CryoLife, Inc. is one of the world's leading contemporary medical device companies; providing preserved human cardiac and vascular tissues, surgical adhesives and sealants, prosthetic heart valves, cardiac lasers, and other medical devices. Since the Company's inception in 1984, it is estimated that its products and tissues have helped over 1,000,000 patients worldwide.

CryoLife, Providing State of the Art Biomedical Services

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About - CryoLife, Inc.

Tissue engineered heart valves (TEHV) offer a new and advancing proposed treatment of creating a living heart valve for people who are in need of either a full or partial heart valve replacement. Currently, there are over a quarter of a million prosthetic heart valves implanted annually, and the number of patients requiring replacement surgeries is only suspected to rise and even triple over ...

Tissue engineering of heart valves - Wikipedia

Introduction. For the treatment of heart valve disease mechanical or tissue valves are currently in use. The drawbacks of mechanical valves include the need for life-long anticoagulation with the possibility of anticoagulant-related hemorrhage , catastrophic failure modes and the inability of the device to grow. Biological valves and, particularly human, allografts are considered to be superior ...

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