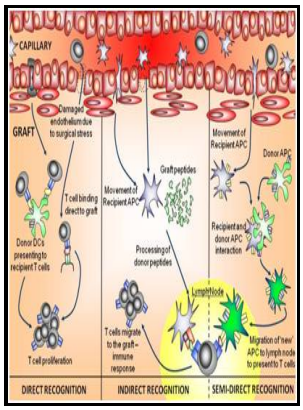
Immunology of the lung allograft

Springer-Verlag - The role of exosomes in allograft immunity



Description: -
-
Religion - Educational Resources
Christian Education - General
Transplantation, Homologous.
Lung Transplantation -- immunology.
Lungs -- Transplantation -- Complications.
Lungs -- Transplantation -- Immunological aspects.Immunology of the lung allograft
-
Morskaia biblioteka -- kn. 38
Virago modern classics
Medical intelligence unit (Unnumbered)
Medical intelligence unitImmunology of the lung allograft
Notes: Includes bibliographical references and index.
This edition was published in 1995

Filesize: 4.87 MB

Tags: #Immunology #in #Thoracic #Transplantation

Immunology in Thoracic Transplantation

Each included article was read and reviewed independently by 2 authors. Inducing immune tolerance is an emerging therapeutic strategy that abrogates allograft rejection, avoids immunosuppression, and improves long-term graft function. A recent study identified DSA, but not non-DSA anti-HLA antibodies, as risk factors for CLAD and correlates of graft survival.

Frontiers

Development of alloimmunity in PGD patients The study subjects were prospectively followed at 1-2 monthly intervals and the development of HLA class-I as well as HLA class-II antibodies analyzed using Flow-PRA.

JCI Insight

Angaswamy N, Saini D, Ramachandran S, Nath DS, Phelan D, Hachem R, et al.

JCI

The initial treatment of BOS is usually pulsed high-dose methylprednisolone; if the patient does not respond, alternative immunosuppressive therapies have been used. Nevertheless, the involvement of both cellular and humoral immune responses in PGD makes strategies aimed at inducing tolerance to col V , as reported in rodents reviewed in an attractive approach in humans prior to transplantation. Tregs mobilization to downregulate lung inflammation would be consistent with results from Tiriveedhi et al.

The role of autoimmunity in the pathogenesis of lung allograft rejection

The onset of chronic rejection is insidious, with vague general symptoms and nonproductive cough. The cause for the divergent results is unclear, as it appears that the same subset of T cells was investigated, but it should be noted that in Salman's and Piloni's work, none of the LTRs received induction treatment with thymoglobulin or basiliximab, whereas more than half of our recipients received such treatment. Similarly anti-col V antibodies of the IgG2c subtype induced a PGD-like phenotype in rat lung isografts suggesting humoral immune responses are also sufficient to worsen post-transplantation outcomes.

JCI Insight

The response of 10 normal subjects mean age 29. Substantive improvements in the survival of lung transplant recipients is likely to occur only after we are able to fully understand how the distinct interactions of immune and non-immune cells in the lung impact the immunobiology of the transplanted lung. Keywords: lung transplantation, chronic lung allograft dysfunction, BOS, RAS, biomarker, blood, bronchoalveolar lavage fluid Citation: Tissot A, Danger R, Claustre J, Magnan A and Brouard S 2019 Early Identification of Chronic Lung Allograft Dysfunction: The Need of Biomarkers.

Immunobiology of Chronic Lung Allograft Dysfunction: New Insights from the Bench and Beyond

Eosinophils from both resting lungs and accepting lung allografts CSB-treated expressed very low levels of CD62L, while neither of the two expressed CD101, indicating a possible regulatory capacity of the eosinophil from both models ; supplemental material available online with this article;.

T Helper Cell Subsets in Experimental Lung Allograft Rejection

Therefore, PGD grades 1, 2, and 3 were analyzed together.

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