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Complement activation and long-term graft function in ABO-



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## Complement Alternative Pathway Deficiency in Recipients ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/ajt.14262>

Mar 09, 2017 · Early antigen-independent intragraft inflammation plays a critical role in the initiation of the alloimmune response and impacts **long-term graft function**. **Complement activation** is a key player both in ischemia/reperfusion injury (IRI) as well as in adaptive antigrraft immune response after **kidney transplantation**.

Cited by: 10

Author: Federica Casiraghi, Nadia Azzollini, Mar...

Publish Year: 2017

## The multifaceted role of complement in kidney transplantation

<https://www.nature.com/articles/s41581-018-0071-x>

Oct 26, 2018 · **Ischaemia** is the most common cause of **complement activation** in **kidney transplantation** and in **combination** with **reperfusion** is a major cause of **inflammation and graft damage**.

Cited by: 3

Author: Ali Reza Biglarnia, Markus Huber-Lang, ...

Publish Year: 2018

Author: Ali-Reza Biglarnia

## Complement as a multifaceted modulator of kidney ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4038571>

Jun 02, 2014 · **Kidney transplantation** is the **treatment** of choice for **end-stage kidney disease**. **Advances** in immunosuppression, HLA matching, and improvements in medical care have reduced **acute rejection rates** to less than 10%, but long-term graft survival remains suboptimal, as **kidney**

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## Complement in organ transplantation - PubMed Central (PMC)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3100572>

Alongside recent findings related to the role of **anaphylatoxins** in **modulating adaptive immune responses**, there has been a genomic study to assess the expression of **inflammatory** markers in kidney transplantation, showing significant involvement of some **complement molecules** in predicting **graft function**. Modulators of **complement pathway activity** such as Decay **Accelerating factor** (CD55) and CD59 have also been shown to have a role in **graft rejection**.

Cited by: 70

Author: Elham Asgari, Wuding Zhou, Steven Sacks

Publish Year: 2010

## Current progress in ABO-incompatible kidney transplantation

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4608875>

Aug 20, 2015 · Recent findings in **ABO-incompatible kidney transplantation**: **classification** and therapeutic strategy for **acute antibody-mediated rejection** due to **ABO-blood-group-related antigens** during the critical period preceding the establishment of accommodation.

Cited by: 12

Author: Tai Yeon Koo, Jaeseok Yang

Publish Year: 2015

## The multifaceted role of complement in kidney transplantation

<https://www.nature.com/articles/s41581-018-0071-x>

Oct 26, 2018 · **Ischaemia** is the most common cause of **complement activation** in **kidney transplantation** and in **combination** with **reperfusion** is a major cause of **inflammation and graft damage**.

Cited by: 3

Author: Ali Reza Biglarnia, Markus Huber-Lang, C...

Publish Year: 2018

Author: Ali-Reza Biglarnia

## [PDF] The emerging role of complement inhibitors in ...

[https://www.kidney-international.org/article/S0085-2538\(15\)61005-5/pdf](https://www.kidney-international.org/article/S0085-2538(15)61005-5/pdf)

KEYWORDS: **acute rejection**; **complement**; **delayed graft function**; **hemolytic uremic syndrome**

The **complement system** is part of innate immunity, and it acts as a first line of defense against



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Complement Activation and Long-Term Graft Function in ABO-incompatible Kidney 1



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## Complement in organ transplantation - PubMed Central (PMC)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3100572>

Recent findings. Alongside recent findings related to the role of anaphylatoxins in modulating adaptive immune responses, there has been a genomic study to assess the expression of inflammatory markers in **kidney transplantation**, showing significant involvement of some **complement** molecules in predicting **graft function**.

Cited by: 65

Author: Elham Asgari, Wuding Zhou, Steven Sa...

Publish Year: 2010

## Prompt reversal of a severe complement activation by ...

[onlinelibrary.wiley.com/doi/10.1111/j.1432-2277.2011.01290.x/full](https://onlinelibrary.wiley.com/doi/10.1111/j.1432-2277.2011.01290.x/full)

(a–e) Characterization of **complement activation** and response to eculizumab during antibody-mediated rejection after an ABO-incompatible pancreas and **kidney transplantation**. **Complement activation** was characterized by means of the C3d,g/C3 ratio and a modified assay of the hemolytic **function** of the classical **complement** pathway (CPP) (Panel a).

Published

in: Transplant International · 2011

Authors:

Alireza Biglarnia · Bo Nilsson · Thomas Nilsson · Bengt Von Zurmuhlen · Michael Wag...

Affiliation: Uppsala University

About: **Complement system** · Eculizumab · Pathology · Surgery · Accommodation

## Prompt reversal of a severe complement activation by ...

<https://onlinelibrary.wiley.com/doi/10.1111/j.1432-2277.2011.01290.x>

Jun 22, 2011 · (a–e) Characterization of **complement activation** and response to eculizumab during antibody-mediated rejection after an ABO-incompatible pancreas and **kidney transplantation**. **Complement activation** was characterized by means of the C3d,g/C3 ratio and a modified assay of the hemolytic **function** of the classical **complement** pathway (CPP) (Panel a).

Cited by: 81

Author: Ali-Reza Biglarnia, Bo Nilsson, Thomas...

Publish Year: 2011

## Current progress in ABO-incompatible kidney transplantation

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4608875>

Aug 20, 2015 · Cost of ABO incompatible KT. The cost of ABOi KT in the first 90 days after **transplantation** is \$90,300 compared to \$52,500 for ABOc KT in the U.S.A. However, ABOi KT is cost-effective compared to maintenance dialysis while waiting for ABOc KT, because ABOi KT saves \$130,000 for 5 years compared to dialysis [95].

Cited by: 9

Author: Tai Yeon Koo, Jaeseok Yang

Publish Year: 2015



**Name of Journal:** *World Journal of Nephrology*

**Manuscript NO:** 48822

**Manuscript Type:** ORIGINAL ARTICLE

*Case Control Study*

**Complement activation and long-term graft function in ABO-incompatible kidney transplantation**

van Sandwijk MS *et al.* ABO-incompatibility, complement, and graft function

Marit S van Sandwijk, Astrid Klooster, Ineke JM ten Berge, Arjan Diepstra, Sandrine Florquin, Joris J Hoelbeek, Frederike J Bemelman, Jan-Stephan Sanders

### Match Overview

1	<b>Crossref</b> 67 words Russell J Crew. "ABO-incompatible kidney transplantation ... urrent practice and the decade ahead :", Current Opinion in	2%
2	<b>Crossref</b> 18 words Wilpert, J., K.-G. Fischer, P. Pisarski, T. Wiech, M. Daskalaki s, A. Ziegler, E. Neumann-Haefelin, O. Drognitz, F. Emmeric	1%
3	<b>Crossref</b> 12 words "Abstracts 544 - 1089", American Journal of Transplantatio n, 3/2004	<1%