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Biomarkers and a tailored approach for immune monitoring in kidney transplantation

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Abstract

A literature review on immune monitoring in kidney transplantation produced dozens of research articles and a multitude of promising biomarkers all in the quest for the much sought after - but perennially elusive - "holy grail" of kidney biomarkers able to unequivocally predict acute transplant rejection *vs* non-rejection. Detection methodologies and study designs were many and varied. Hence the motivation for this editorial, which espouses the notion that in today's kidney transplantation milieu, the

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Clinical immune-monitoring strategies for predicting infection ... - Nature

<https://www.nature.com/cti/journal/v3/n2/pdf/cti20143a.pdf?origin=ppub>

by M Fernández-Ruiz - 2014 - Cited by 41 - Related articles

28 Feb 2014 - recipient and, eventually, provide the basis for **tailored** immunosuppression and ...
From a clinical perspective, the **approaches** to the **immune monitoring** in SOT **kidney transplant** recipients 14, 40 or CMV infection after discontinuing ... **monitoring** of this **biomarker** throughout the post-transplant follow-up ...

Immunologic monitoring in kidney transplant recipients - ScienceDirect

www.sciencedirect.com/science/article/pii/S2211913213000247 ▼

by N Townamchai - 2013 - Cited by 2 - Related articles

29 May 2013 - **Immunology**; **Kidney transplant**; **Monitoring**; Recipient ... Here, we summarize recent findings in **biomarker** identification and noninvasive ... to provide information on risk stratification, including **tailoring** of immunosuppressive drugs. This new technique provides a high-throughput **approach** for studying ...

Identifying biomarkers as diagnostic tools in kidney transplantation

<https://www.ncbi.nlm.nih.gov> › NCBI › Literature › PubMed Central (PMC)

by VR Mas - 2011 - Cited by 20 - Related articles

Approaches to implementing **biomarker** monitoring into clinical practice will ... Keywords: **biomarkers**, **immune monitoring**, kidney function, **kidney transplantation**, ... prediction in organ transplantation, leading to a **tailored** and individualized ...



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[HTML] Development of a cross-platform biomarker signature to detect renal transplant tolerance in humans

P Sagoo, E Perucha, B Sawitzki, S Tomiuk... - The Journal of clinical ..., 2010 - ncbi.nlm.nih.gov
... tolerance is established or is developing would allow an individually tailored approach to their ...
a significant difference in the patient's immune status that can be evidenced by biomarkers. ...
mechanisms of tolerance induction could be different in this patient, biomarker and ROC ...

☆ 99 被引用次数: 397 相关文章 所有 19 个版本

[HTML] HLA-mismatched renal transplantation without maintenance immunosuppression

T Kawai, AB Cosimi, TR Spitzer... - ... England Journal of ..., 2008 - Mass Medical Soc
... and there is no other evidence of rejection, we have chosen an approach of watchful ... We thank
the Clinical Trials Group of the Immune Tolerance Network (ITN) and Eleanor ... Study on
transplantation immunity after total body irradiation: clinical and experimental investigation. ...

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[HTML] Biochemical monitoring of mTOR inhibitor-based immunosuppression following kidney transplantation: a novel approach for tailored immunosuppressive ...

B Hartmann, G Schmid, C Graeb, CJ Bruns... - Kidney international, 2005 - Elsevier
... rapamycin; sirolimus; tailored immunosuppression. ... study, we used the phosphorylation status
of the p70S6 kinase at the Thr 389 site as a biomarker for mTOR ... Therefore, this assay may serve
as a novel tool for tailoring TOR inhibitor therapy, not only in transplantation, but also ...

☆ 99 被引用次数: 42 相关文章 所有 14 个版本

[HTML] Rituximab and intravenous immune globulin for desensitization during renal transplantation

AA Vo, M Lukovsky, M Toyoda, J Wang... - ... England Journal of ..., 2008 - Mass Medical Soc
... immune globulin and rituximab, are encouraging and may support further analysis of this approach
immune globulin and rituximab as compared with currently accepted approaches to
desensitization. ... High-dose intravenous immune globulin has been shown to be effective as a ...

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... kidney transplantation: a novel approach for tailored ... - Hartmann - 被引用次数: 43

Identifying biomarkers as diagnostic tools in kidney transplantation

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作者: VR Mas - 2011 - 被引用次数: 25 - 相关文章

Approaches to implementing biomarker monitoring into clinical practice will also be discussed. Keywords: biomarkers, immune monitoring, kidney function, kidney transplantation, long-term outcomes, short-term outcomes. In kidney transplantation, significant improvements in short-term allograft survival have been ...

Clinical immune-monitoring strategies for predicting infection risk in ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4232060/> - 翻译此页

作者: M Fernández-Ruiz - 2014 - 被引用次数: 50 - 相关文章

2014年2月28日 - MBL deficiency has been also linked to the development of sepsis in kidney or pancreas-kidney transplant recipients or CMV infection after discontinuing valganciclovir prophylaxis. More studies are needed to determine the optimal cutoff levels and timing for the monitoring of this biomarker. In addition, it ...

Immune monitoring as prerequisite for transplantation tolerance trials.

<https://www.ncbi.nlm.nih.gov/pubmed/28518214> - 翻译此页

作者: SK Behnam - 2017 - 被引用次数: 1 - 相关文章

2017年6月23日 - Although manifold strategies of tolerance induction have been described in preclinical