iThenticate
15765-Review
1%
Match Overview
1 1%

Name of journal: World Journal of Gastroenterology
ESPS Manuscript NO: 15765
Columns: REVIEW

Challenges in animal modelling of mesenchymal stromal cell therapy for inflammatory bowel disease

Raghuvar Chirmadurai, Spencer Ng, Vijayakumar Velu, Jacques Galipeau

Abstract

Utilization of mesenchymal stromal cells (MSCs) for the treatment of Crohn's Disease and Ulcerative Colitis is of translational interest. Safety of MSC therapy has been well demonstrated in early phase clinical trials but efficacy in randomized clinical trials needs to be demonstrated. Understanding MSC mechanisms of action to reduce gut injury and inflammation is necessary to improve current ongoing and future clinical trials. However, two major hurdles impede the direct translation of data derived from

Google Challenges in animal modelling of mesenchymal stromal cell therapy for i

网页 新闻 图片 视频 更多 搜索工具

找到约 901,000 条结果（用时 0.54 秒）

Google 学术：Challenges in animal modelling of mesenchymal stromal cell therapy for inflammatory bowel disease

Mesenchymal stem cell therapy: Two steps forward, ... - Ankrum - 被引用次数：219

... -derived mesenchymal stromal cells in the treatment of ... - Ciccocioppo - 被引用次数：176

Adult mesenchymal stem cells for tissue engineering ... - Caplan - 被引用次数：1013

Mesenchymal stem cells: a new trend for cell therapy - Nature

www.nature.com › Journal home › Archive › Reviews - 翻译此页

作者：X Wei - 2013 - 被引用次数：16 - 相关文章

From animal models to clinical trials, MSCs have afforded promise in the ... cell therapy have been shown to be safe and effective, there are still challenges that need to ... mesenchymal stem cell; cell therapy; tissue injury; degenerative disease; .... than uncoated MSCs in a mouse inflammatory bowel disease (IBD) model[73], ...

Role of mesenchymal stem cell therapy in Crohn's disease ...

www.nature.com/articles/pr201156 - 翻译此页

作者：J Dalal - 2012 - 被引用次数：35 - 相关文章

Role of mesenchymal stem cell therapy in Crohn's disease ... recurrent need for surgeries remain challenges requiring novel therapies in this disorder (4). ... progenitor cells in bone marrow microenvironments and, in animal models, promote ...

[PDF] New Therapeutic Challenges in Autoimmune Diseases

www.intechopen.com/download/pdf/38017 ▾ 翻译此页

responses, and inflammatory T cells infiltrate target tissues, which can lead to tissue damage ..... autoimmune diseases in animal models including lupus nephritis (NZB/W

Google

Challenges in animal modelling of mesenchymal stromal cell therapy for infla

学术搜索

找到约 16,000 条结果 （用时0.19秒）

文章

我的图书馆

时间不限
2015以来
2014以来
2011以来
自定义范围...

按相关性排序
按日期排序

搜索所有网页
中文网页
英语网页

包括专利
包含引用

创建快讯

Mesenchymal stem cell therapy: Two steps forward, one step back — nih.gov 中的 [HTML]
J Ankrum, JM Karp - Trends in molecular medicine, 2010 - Elsevier
... these guidelines, characterizing and defining the MSC phenotype represents an ongoing challenge 2, 45 ... Thus, we need to focus on reaching the challenges that were highlighted by these ... preselected location, redistribution of the MSC to other tissues is challenging to evaluate. ...
被引用次数：221 相关文章 所有 9 个版本 引用 保存

Autologous bone marrow-derived mesenchymal stromal cells in the treatment of fistulising Crohn's disease
R Ciccocioppo, ME Bernardo, A Sgarella, R Maccario... - Gut, 2011 - gut.bmj.com
... 1 Among the clinical phenotypes,2 the fistulising behaviour is the most challenging to treat ... surrounding mucosal lesions12 proved to be of benefit in experimental models of Crohn ... serum to avoid putative transmission of zoonoses and potential sensitisation to animal proteins.22. ...
被引用次数：181 相关文章 所有 8 个版本 引用 保存

Adult mesenchymal stem cells for tissue engineering versus regenerative medicine — smartchoicestemcell.com 中的 [PDF]
AI Caplan - Journal of cellular physiology, 2007 - Wiley Online Library
... This introduces the concept of phenotypic plasticity and challenges the validity of in ... derived stem cell (ADSC) preparations from both human and animals and muscle ... from myelin, intravenous administration of human MSCs (without whole animal immunosuppression) caused a ...
被引用次数：1017 相关文章 所有 7 个版本 引用 保存

Immunosuppressive effect of mesenchymal stem cells favors tumor growth in allogeneic animals — researchgate.net 中的 [PDF]
F Djouad, P Plence, C Bony, P Tropel, F Apparailly... - Blood, 2003 - Am Soc Hematology
... Although several studies in animal models clearly showed that stromal cells could help in the hematopoietic recovery, controversial ... Mice were housed in our facilities and cared for according to the Laboratory Animal Care guidelines ... Adult animals, aged 8 to 16 weeks, were used ...
被引用次数：1023 相关文章 所有 6 个版本 引用 保存

Therapeutic applications of mesenchymal stromal cells
G Brooke, M Cook, C Blair, R Han... - Seminars in cell & ..., 2007 - Elsevier
... Abstract. Mesenchymal stromal cells (MSC) are multipotent cells that can be ... Since tissue matching between MSC donor and recipient does not appear to be required, MSC may be the first cell type able to be used as an "off-the-shelf" therapeutic product. Keywords. ...
被引用次数：204 相关文章 所有 8 个版本 引用 保存