

Name of Journal: *World Journal of Clinical Cases*

Manuscript NO: 53922

Manuscript Type: REVIEW

Macrophage regulation of graft-versus-host disease

Hong YQ *et al.* Macrophage in GVHD

Ya-Qun Hong, Bo Wan, Xiao-Fan Li

Abstract

Hematopoietic stem cell transplantation has become a curative choice of many hematopoietic malignancy, but graft-versus-host disease (GVHD) has limited the survival quality and overall survival of hematopoietic stem cell transplantation. Understanding of immune cells reaction in pathophysiology of GVHD has improved, but a review on the role of macrophage in GVHD is still absent. Studies have observed that macrophage infiltration is associated to GVHD occurrence and development. In this review, we summarize and analyze the role of macrophage in GVHD based on pathophysiology of acute and chronic GVHD, focusing on the macrophage recruitment and infiltration,

Match Overview

1	Internet 21 words crawled on 04-Dec-2013 www.ncbi.nlm.nih.gov	1%
2	Internet 16 words crawled on 28-Feb-2020 repository.kulib.kyoto-u.ac.jp	<1%
3	Crossref 13 words Qi Wen, Yuan Kong, Hong-Yan Zhao, Yuan-Yuan Zhang, Ting-Ting Han, Yu Wang, Lan-Ping Xu, Xiao-Hui Zhang, Xiao-Jun	<1%
4	Internet 13 words crawled on 12-Mar-2020 helda.helsinki.fi	<1%
5	Internet 12 words crawled on 02-Nov-2019 insight.jci.org	<1%
6	Internet 12 words crawled on 28-Feb-2020 www.mdpi.com	<1%
7	Internet 12 words crawled on 21-Jul-2016 mjhjhid.pagepress.org	<1%
8	Crossref 12 words Eva C. Guinan, Margaret L. MacMillan. "Chapter 4 Graft Ve... us Host Disease: From Basics to the Clinic", Springer Scienc	<1%

Macrophage regulation of graft-vs-host disease



ALL

IMAGES

VIDEOS

2,730,000 Results

Any time ▾

[Dendritic Cell Regulation of Graft-Vs.-Host Disease ...](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6367268)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6367268>

However, the success of the procedure is limited by the life-threatening **complication graft-vs.-host disease** (GVHD), in which the gastrointestinal (GI) tract, skin and liver are preferentially damaged (2, 6–9). GVHD is mediated by infused donor T cells that recognize and react to histocompatibility differences between the **host** and donor (9–12).

Cited by: 3**Author:** Hongshuang Yu, Yuanyuan Tian, Ying ...**Publish Year:** 2019

[Dendritic Cell Regulation of Graft-Vs.-Host Disease ...](https://www.frontiersin.org/articles/10.3389/fimmu.2019.00093)

<https://www.frontiersin.org/articles/10.3389/fimmu.2019.00093> ▾**Dendritic Cell Regulation of Graft-Vs.-Host Disease:** Immunostimulation and Tolerance

Hongshuang Yu 1 , Yuanyuan Tian 1 , Ying Wang 1 , Shin Mineishi 2 and Yi Zhang 1,3 * 1 Fels Institute for Cancer Research and **Molecular Biology**, ...

Cited by: 3**Author:** Hongshuang Yu, Yuanyuan Tian, Ying ...**Publish Year:** 2019

[JCI - Graft-versus-host disease of the CNS is mediated by ...](https://www.jci.org/articles/view/130272)

<https://www.jci.org/articles/view/130272> ▾

Acute graft-versus-host **disease** (GVHD) is a life-threatening complication after allogeneic hematopoietic cell transplantation (allo-HCT). About 50% of patients with severe acute GVHD fail to respond to corticosteroids, and steroid-refractory severe GVHD has a dismal prognosis with a 1-year survival rate of less than 20% (1).

Author: Nimitha R. Mathew, Janaki M. Vinn...**Publish Year:** 2020



2,730,000 Results Any time ▾

Dendritic Cell Regulation of Graft-Vs.-Host Disease ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6367268>

However, the success of the procedure is limited by the life-threatening **complication graft-vs.-host disease** (GVHD), in which the gastrointestinal (GI) tract, skin and liver are preferentially damaged (2, 6–9). GVHD is mediated by infused donor T cells that recognize and react to histocompatibility differences between the **host** and donor (9–12).

Cited by: 3 **Author:** Hongshuang Yu, Yuanyuan Tian, Ying Wa...
Publish Year: 2019

Dendritic Cell Regulation of Graft-Vs.-Host Disease ...

<https://www.frontiersin.org/articles/10.3389/fimmu.2019.00093> ▾

Dendritic Cell Regulation of Graft-Vs.-Host Disease: Immunostimulation and Tolerance Hongshuang Yu 1 , Yuanyuan Tian 1 , Ying Wang 1 , Shin Mineishi 2 and Yi Zhang 1,3 * 1 Fels Institute for Cancer Research and **Molecular Biology**, Temple University, Philadelphia, PA, United States

Cited by: 3 **Author:** Hongshuang Yu, Yuanyuan Tian, Ying Wa...
Publish Year: 2019

Chronic graft-versus-host disease: biological insights ...

<https://ashpublications.org/blood/article/129/1/13/...> ▾

Macrophages play a crucial role in the tissue-repair response, are found in close proximity with collagen-producing fibroblasts and as demonstrated in multiple **disease** models, contribute to fibrosis. 110,111 In both preclinical and clinical cGVHD, **macrophages** have been shown to accumulate in fibrotic lesions. 28,72,112 However, the factors ...

Cited by: 120 **Author:** Kelli P. A. MacDonald, Geoffrey R. Hill, G...
Publish Year: 2017

JCI - Graft-versus-host disease of the CNS is mediated by ...

<https://www.jci.org/articles/view/130272> ▾

Acute graft-versus-host **disease** (GVHD) is a life-threatening complication after allogeneic hematopoietic cell transplantation (allo-HCT). About 50% of patients with severe acute GVHD fail to respond to corticosteroids, and steroid-refractory severe GVHD has a dismal prognosis with a 1-year survival rate of less than 20% (1).

Author: Nimitha B. Mathew, Janaki M. Vinnak... **Publish Year:** 2020