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作者: K Fukumitsu - 2011 - 被引用次数: 49 - [相关文章](#)

Transplant Proc. ... **Bioengineering in organ transplantation: targeting the liver.** ... organ shortage requires consideration of alternative **emerging** technologies. ... may offer novel strategies to treat patients with **end-stage** organ **failure**. ... cues for cell attachment, differentiation, vascularization, and **function**. ... Grant **support**.

Regenerative Medicine in Organ and Tissue Transplantation: Shortly ...

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作者: AH Rouchi - 2015 - 被引用次数: 15 - [相关文章](#)

2015年8月1日 - RM is changing the premise of solid **organ transplantation**, requiring transplantation ... therapy in patients suffering from **end-stage** organ **failure**. ... **human** cells, tissue or organs to restore or establish normal **function** [3]. To define in length, RM is an **emerging** interdisciplinary field of **Manage** collections.

Engineering Liver - NCBI - NIH

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作者: LG Griffith - 2014 - 被引用次数: 32 - [相关文章](#)

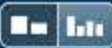
2014年5月19日 - While it is debatable whether building lab-grown **livers** for **transplant** ... cause **liver failure**, and in stabilizing patients with **late-stage** disease. test the model and (iii) **bridging** the **gap** between proof-of-principle that a Vascularized and **functional human** liver from an iPSC-derived **organ** bud **transplant**.

ARTIFICIAL ORGANS — THE FUTURE OF TRANSPLANTATION ...

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Name of Journal: *World Journal of Hepatology*

Manuscript NO: 40589

Manuscript Type: REVIEW

Bioengineered functional humanized livers: An emerging supportive modality to bridge the gap of organ transplantation for management of end-stage liver diseases

Vishwakarma SK *et al.* Bioengineered functional humanized livers

Sandeep Kumar Vishwakarma, Chandrakala Lakkireddy, Avinash Bardia, Syed Ameer Basha Paspala, Chaturvedula Tripura, Md Aejaaz Habeeb, Aleem Ahmed Khan

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Engineering Liver - NCBI - NIH

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作者: LG Griffith - 2014 - 被引用次数: 35 - [相关文章](#)

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Perfusion decellularized organs are the ideal template to support the growth and differentiation of cells into functional organs. ... End-stage liver disease (ESLD) is the 8th leading cause of death in the United States, accounting for 40,000 deaths Healthline: Scientists Hope to Grow Bioengineered Livers for Transplants.

WHO | Human organ transplantation - World Health Organization

www.who.int/transplantation/organ/en/ ▼ [翻译此页](#)

Organ transplantation is often the only treatment for end state organ failure, such ... Although end stage renal disease patients can be treated through other renal ... up of the donor to ensure the optimal management of untoward consequences. ... of tissue and organs" and requests the Director-General to provide support for ...

[PDF] Chapter 46 – Hepatic Tissue Engineering - MIT

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orthotopic liver transplant are immediately listed as United Network for Organ Sharing ... matical model for end-stage liver disease) system was implemented in 2002, Primary human hepatocytes are the ideal cell type for cell-based therapies, outside the liver are capable of supporting hepatocyte function for several ...

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<https://www.donatelife.net/types-of-donation/liver-donation/> ▼ 翻译此页

Most liver **transplant** operations use **livers** from deceased donors. ... A liver **transplant** is an option for people who have **end-stage liver failure** that cannot be ... Living **donation** is possible because the liver is the only **organ** that can ... A living donor's liver fully regrows within 4 months and will ultimately regain full **function**.

[PDF] Chapter 46 – Hepatic Tissue Engineering - MIT

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