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Bioengineering in organ transplantation: targeting the liver. - NCBI - NIH

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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 ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4545302/> ▼ [翻译此页](#)

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 ...

<https://medium.com/.../artificial-organs-the-future-of-transplantation-c33c2d...> ▼ [翻译此页](#)

2017年11月1日 - The replacement of failing **human organs** has been an important element in ... cells

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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作者: K Fukumitsu - 2011 - 被引用次数: 49 - [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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Liver Donation: Everything you need to know about becoming a liver ...

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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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