



21132-Review

Quotes Excluded
Bibliography Excluded6%
SIMILAR

Name of Journal: World Journal of Transplantation

ESPS Manuscript NO: 21132

Manuscript Type: REVIEW

Preservation solutions used during abdominal transplantation: Current status and outcomes

Nicholas Latchana, Joshua R Peck, Brian A Whitson, Mitchell L Henry, Elmahdi A Elkhammas, Sylvester M Black

Abstract

Organ preservation remains an important contributing factor to graft and patient outcomes. During donor organ procurement and transportation, cellular injury is mitigated through the use of preservation solutions in conjunction with hypothermia. Various preservation solutions and protocols exist with widespread variability among transplant centers. In this review of abdominal organ preservation solutions, evolution of transplantation and graft preservation are discussed followed by classification of preservation solutions according to the composition of electrolytes, impermeants, buffers, antioxidants, and energy precursors. Lastly, pertinent clinical studies in the setting of hepatic, renal, pancreas, and intestinal transplantation are reviewed for patient and graft survival as well as financial considerations. In liver transplants there may be some benefit with the use of histidine-tryptophan-ketoglutarate over University

Match Overview

1	Internet 33 words crawled on 24-Oct-2009 www.pharmapal.com	<1%
2	CrossCheck 30 words "Abstracts", American Journal of Transplantation, 5/2005	<1%
3	Internet 26 words crawled on 19-Feb-2014 www.bts.org.uk	<1%
4	Internet 25 words crawled on 26-May-2014 www.turkiyesru.org	<1%
5	CrossCheck 21 words "WORLD TRANSPLANT CONGRESS 2006 ORAL ABSTRACTS", American Journal of Transplantation, 8/2006	<1%
6	Internet 18 words crawled on 30-Jul-2014 ndt.oxfordjournals.org	<1%

[网页](#)[图片](#)[学术](#)[高级搜索](#)

Organ Preservation: Current Concepts and New Strategies for the ...

www.ncbi.nlm.nih.gov/pmc/articles/PMC3088735/

21 Mar 2011 ... While the use of preservation solutions significantly improved organ This has led to a renewed interest in HMP as a preservation method for both thoracic and abdominal ... To date, the majority of donor livers used for transplantation The current status for clinical liver preservation is similar to that of the....

Preservation solutions for static cold storage of abdominal allografts ...

www.ncbi.nlm.nih.gov/pubmed/24553501

Similar outcomes have been observed after pancreas preservation with University of Wisconsin, HTK, and Celsior solution. In live-donor liver transplantation,....

Organ Preservation - Medscape Reference

emedicine.medscape.com/article/431140-overview

5 Sep 2013 ... In many cases, transplantation offers definitive treatment for a given disease entity. ... Several organ-preservation solutions are available, and these are being constantly modified to provide improved organ storage and outcomes. ... and it describes various preservation solutions currently used for kidney,....

[PDF] Comparison of HTK solution and UW solution in ... - Custodiol HTK

www.custodiol.com/hansjb/wp-content/uploads/2014/09/AgarwalHTKvsUW-Prolonged.pdf

In all, 149 renal transplants were performed with cold ischemic times (CI) greater than 16 hr ... preservation solution used for abdominal organ trans- plantation.

[PDF] Preservation solutions in liver transplantation: What are the options?

[网页](#)[新闻](#)[图片](#)[视频](#)[购物](#)[更多 ▾](#)[搜索工具](#)

找到约 629,000 条结果 (用时 0.71 秒)

Google 学术: Preservation solutions used during abdominal transplantation: Current status and outcomes

... cold storage in deceased-donor kidney transplantation - Moers - 被引用次数: 466

... of Wisconsin solution in prolonged cold preservation of ... - Agarwal - 被引用次数: 54

... OUTCOME OF CADAVERIC KIDNEYS PRESERVED ... - Roels - 被引用次数: 50

Organ Preservation: Current Concepts and New Strategies ...

www.ncbi.nlm.nih.gov > ... > PubMed Central (PMC) ▾ [翻译此页](#)

作者: EE Guibert - 2011 - 被引用次数: 37 - [相关文章](#)

2011年3月21日 - While the use of preservation solutions significantly improved organ

This has led to a renewed interest in HMP as a preservation method for both thoracic and abdominal ... To date, the majority of donor livers used for transplantation The current status for clinical liver preservation is similar to that of the ...

Intestinal preservation for transplantation: current status and ...

www.ncbi.nlm.nih.gov/pubmed/25944227 - [翻译此页](#)

作者: M Oltean - 2015 - [相关文章](#)

Intestinal preservation for transplantation: current status and alternatives for the future. ...

PURPOSE OF REVIEW: Among transplantable abdominal organs the intestine ...

(vascular perfusion and static storage) rather than in the solutions used.



Preservation solutions used during abdominal transplantation: Current status



网页

图片

新闻

视频

地图

更多 ▾

搜索工具

找到约 244,000 条结果 (用时 0.51 秒)

Google 学术: Preservation solutions used during abdominal transplantation: Current status and outcomes

... cold storage in deceased-donor kidney transplantation - Moers - 被引用次数: 469

... of Wisconsin solution in prolonged cold preservation of ... - Agarwal - 被引用次数: 54

... OUTCOME OF CADAVERIC KIDNEYS PRESERVED ... - Roels - 被引用次数: 50

Organ Preservation: Current Concepts and New Strategies ...

www.ncbi.nlm.nih.gov > ... > PubMed Central (PMC) ▾ 翻译此页

作者: EE Guibert - 2011 - 被引用次数: 37 - 相关文章

2011年3月21日 - While the use of preservation solutions significantly improved organ

This has led to a renewed interest in HMP as a preservation method for both thoracic and abdominal ... To date, the majority of donor livers used for transplantation The current status for clinical liver preservation is similar to that of the ...

Organ Preservation - Medscape Reference

emedicine.medscape.com/article/431140-overview ▾ 翻译此页

2013年9月5日 - In many cases, transplantation offers definitive treatment for a given

disease entity. ... Several organ-preservation solutions are available, and these are being constantly modified to provide improved organ storage and outcomes. ... and it describes various preservation solutions currently used for kidney, ...

Intestine transplantation - Wikipedia, the free encyclopedia

https://en.wikipedia.org/wiki/Intestine_transplantation ▾ 翻译此页

Due to this discovery, in 1988, the first successful intestinal transplant was In a

multivisceral graft, the stomach, duodenum, pancreas, and/or colon may be included of Wisconsin organ preservation solution into the aorta and inferior mesenteric vein.