

Name of Journal: World Journal of Hepatology

Invited manuscript NO: 56744

Manuscript Type: MINIREVIEW

Combined liver-kidney transplantation for rare diseases

Mladen Knotek, Rafaela Novak, Alemka Jaklin-Kekez, Anna Mrzljak

Abstract

Combined liver and kidney transplantation (CLKT) is indicated in patients with failure of both organs, or for treatment of end-stage chronic kidney disease (ESKD)

Match Overview

1

Crossref 46 words

Erik H. Strøm, Ståle Sund, Morten Reier-Nilsen, Christina Dørje, Trond P. Leren. "Lecithin:Cholesterol Acyltransferase (LC...

1%

2

Crossref 27 words

Anaïs Brassier, Pauline Krug, Florence Lacaille, Clément Pontoizeau et al. "Long-term outcome of methylmalonic aciduria

1%

Combined liver-kidney transplantation for rare diseases



ALL

IMAGES

VIDEOS

2,040,000 Results

Any time ▼

Combined liver–kidney transplantation in patients with ...

<https://academic.oup.com/ndt/article/25/7/2356/1868730> ▼

Introduction

Materials and Methods

Results

Discussion

Combined liver–kidney transplantation (CLKT) is performed frequently in patients with cirrhosis with associated kidney diseases. Most of these patients have chronic renal failure due to parenchymal renal diseases, in most cases glomerulopathy associated with alcoholic cirrhosis or with chronic hepatitis B or C infection, or chronic renal failure due to kidney rejection after kidney transplantation [1–10]. CLKT has also been used for patients with cirrhosis and hepatorenal syndrome (HRS), alth...

[See more on academic.oup.com](https://academic.oup.com)

Cited by: 11

Author: M.E. Baccaro, M.N. Pépin, M. Guevara, ...

Publish Year: 2010

Published: Feb 04, 2010

Combined Lung-Liver and Delayed Kidney Transplantation for ...

<https://www.sciencedirect.com/science/article/pii/S0041134519313016>

May 07, 2020 · **Cystic fibrosis** can manifest as end-stage damage in multiple organs. Combined lung-liver-kidney transplant is a potential treatment for cystic fibrotic patients. The reported patient underwent a triple organ transplant with good outcomes. PTLD was the only complication that resolved 7 months postoperatively.

Author: Theodore Zhang, M. Brent Price, M. ...

Publish Year: 2020

Images of Combined Liver-Kidney Transplantation for Rare Diseases

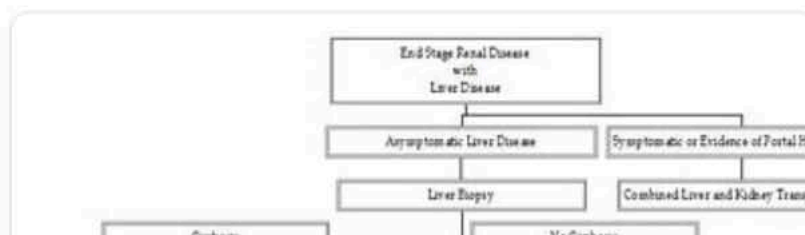
bing.com/images

at
nsplantation

Current ag
(if alive)

†

52



Tra



国内版

国际版



Combined liver-kidney transplantation for rare diseases



Sign in



ALL

IMAGES

VIDEOS

1,980,000 Results

Any time ▾

Primary **hyperoxaluria type I** (PH I) is a rare genetic disorder that leads to end stage renal disease (ESRD) at an early age due to excessive deposition of calcium oxalate in the kidney. Combined liver-kidney transplantation (LKTx) has been advocated as the treatment of choice for patients with PH I who have **progressive renal disease**.

Author: Ahmed M. Alkhunaizi, Nouriya A. Al-Sannaa, Wasim F. Raslan

Cited by: 6

Publish Year: 2011

[Hyperoxaluria and Rapid Development of Renal Failure ...](#)

www.ncbi.nlm.nih.gov/pmc/articles/PMC3509864/

Was this helpful?



Kidney Transplantation

A surgical transplant procedure wherein a healthy donor's kidney is implanted into the body of a kidney failure patient.

Type of procedure: Invasive

Recovery time: Can take several weeks

Duration: About 2-4 hours

Hospital stay: Typically a few days

May treat

[See all \(5+\)](#)

Chronic Kidney Di...
Common

End Stage Kidney .
Common



3,850,000 Results Any time ▾

Primary **hyperoxaluria type I** (PH I) is a rare genetic disorder that leads to end stage renal disease (ESRD) at an early age due to excessive deposition of calcium oxalate in the kidney. Combined liver-kidney transplantation (LKTx) has been advocated as the treatment of choice for patients with PH I who have **progressive renal disease**.

Author: Ahmed M. Alkhunaizi, Nouriya A. Al-Sannaa, Wasim F. Raslan

Cited by: 6

Publish Year: 2011

[Hyperoxaluria and Rapid Development of Renal Failure ...](#)

www.ncbi.nlm.nih.gov/pmc/articles/PMC3509864/

Was this helpful?

[Combined liver–kidney transplantation in patients with ...](#)

<https://academic.oup.com/ndt/article/25/7/2356/1868730> ▾

Introduction**Materials and Methods****Results****Discussion**

Combined liver–kidney transplantation (CLKT) is performed frequently in patients with cirrhosis with associated kidney diseases. Most of these patients have chronic renal failure due to parenchymal renal diseases, in most cases glomerulopathy associated with alcoholic cirrhosis or with chronic hepatitis B or C infection, or chronic renal failure due to kidney rejection after kidney transplantation [1–10]. CLKT has also been used for patients with cirrhosis and hepatorenal syndrome (HRS), although the use of renal tr...

[See more on academic.oup.com](#)

Cited by: 11

Author: M.E. Baccaro, M.N. Pépin, M. Guevara, J...

Publish Year: 2010

Published: Feb 04, 2010

[Combined liver-kidney transplantation for primary ...](#)

<https://www.ncbi.nlm.nih.gov/pubmed/30475440>

Primary hyperoxalurias are rare inborn errors of metabolism with deficiency of hepatic enzymes that lead

[/global.bing.com/?FORM=Z9FD1](#) Primary oxalate excretion and overproduction of oxalate which is deposited in various organs.

Kidney Transplantation

A surgical transplant procedure wherein a healthy donor's kidney is implanted into the body of a kidney failure patient.

Type of procedure: Invasive

Recovery time: Can take several weeks

Duration: About 2-4 hours

Hospital stay: Typically a few days

May treat

[See all \(5+\)](#)

Chronic Kidney Disease

Common

Chronic kidney disease is a type of kidney disease in which there is gradual ...

[Read more](#)

End Stage Kidney ...

Common

A diagnosis of end-stage kidney disease means that you are in the final stage ...

[Read more](#)

What to expect before procedure

- Regular blood test reports should be given to the hospital if a matching kidney donor is unavailable so as to get one immediately when available.
- If a deceased donor's kidney matches, promptly transplant can be done. Preparing in advance for such an urgency is recommended.
- If a family member is a donor, blood tests like blood type, human leukocyte antigen and biopsies are done for both to check the compatibility.
- Once the compatible kidney is available, cardiovascular tests, abdominal ultrasound and gynecological ultrasound (for females) is required to be done.
- Adult family member accompanying is advised for convenience.
- Pack your belongings for at least a week's stay after the transplant.
- Fasting for at least 10 to 12 hours is required before the procedure.