

12

Name of Journal: *World Journal of Hepatology***Manuscript NO:** 59138**Manuscript Type:** ORIGINAL ARTICLE**Observational Study****Adult human liver slice cultures: Modelling of liver fibrosis and evaluation of new anti-fibrotic drugs**

2
Daria Kartasheva-Ebertz, Jesintha Gaston, Loriane Lair-Mehiri, Pierre-Philippe Massault, Olivier Scatton, Jean-Christophe Vaillant, Vladimir Alexei Morozov, Pol Stanislas, Sylvie Lagaye

Abstract**BACKGROUND**

Liver fibrosis can result in end-stage liver failure and death.

Match Overview

1	Crossref 402 words Sylvie Lagaye, Hong Shen, Bertrand Saunier, Michelina Nasimbeni et al. "Efficient replication of primary or culture he...	3%
2	Internet 97 words crawled on 05-Nov-2020 aasldpubs.onlinelibrary.wiley.com	1%
3	Crossref 85 words V.T. Cheshchevik, E.A. Lapshina, I.K. Dremza, S.V. Zabrodskaya, R.J. Reiter, N.I. Prokopchik, I.B. Zavodnik. "Rat liver	1%
4	Internet 57 words crawled on 23-Nov-2016 www.hcplive.com	<1%
5	Internet 52 words crawled on 07-Apr-2019 www.genosciencepharma.powa.fr	<1%
6	Internet 40 words crawled on 22-Oct-2020 onlinelibrary.wiley.com	<1%
7	Internet 36 words crawled on 14-Feb-2017 e-sciencecentral.org	<1%
8	Crossref 35 words Pol, S., and M. Corouge. "Treatment of hepatitis C. Perspec...	<1%

Adult human liver slice cultures: Modelling of liver fibrosis and evaluatio



ALL

IMAGES

VIDEOS

26,300 Results

Any time ▼

Liver slices as a model to study fibrogenesis and test the ...

<https://www.sciencedirect.com/science/article/pii/S0887233307003372>

Apr 01, 2008 · This may represent a simple approach to **study liver fibrosis** and **test anti-fibrotic compounds**, and will be even more predictive for **human drug development** when **human liver slices** are used. Therefore, in the present study we examined the responses of **fibrogenic cells in human liver slices** during control incubation and determined whether fibrogenesis occurs in the **liver slices**.

Cited by: 62

Author: M. van de Bovenkamp, Geny Groothuis, ...

Publish Year: 2008

Precision-cut liver slices: a versatile tool to advance ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6513823>

Liver slices are the ideal **ex vivo model** to investigate the mechanisms of **viral infection** and replication, **viral life cycle** and dynamics of **virus propagation in native tissue** and to **evaluate** the efficacy of new **antiviral drugs**.

Search Tools

[Turn off Hover Translation \(关闭取](#)

国内版

国际版

Adult human liver slice cultures: Modelling of liver fibrosis and eval



ALL

IMAGES

VIDEOS

13,600 Results

Any time ▾

[A Bioreactor Technology for Modeling Fibrosis in Human ...](https://aasldpubs.onlinelibrary.wiley.com/doi/full/10.1002/hep.30651)

<https://aasldpubs.onlinelibrary.wiley.com/doi/full/10.1002/hep.30651>

Precision cut **liver slices** (PCLSs) are used as an ex vivo **culture model** to study hepatic **drug** metabolism and fibrosis and benefit from retaining the 3D structure, physiological ECM composition, and complex cell/cell interactions of the liver. 9-11 However, **PCLSs cultured** under static conditions in normoxia typically have a limited functional life span of ~24-48 hours attributed to hypoxia. This ...

Cited by: 17**Author:** Hannah L. Paish, Lee H. Reed, Helen Br...**Publish Year:** 2019

[Liver slices as a model to study fibrogenesis and test the ...](https://www.sciencedirect.com/science/article/pii/S0887233307003372)

<https://www.sciencedirect.com/science/article/pii/S0887233307003372>

Apr 01, 2008 · Preparation and/or **culturing** of **human liver slices** induces **fibrogenesis**, which may be mediated by both activated HSC and resident **liver** (myo)fibroblasts and may represent a simple and rapid method to test the effects of potential **anti-fibrotic drugs** on fibrogenic cells in human liver.

Cited by: 62**Author:** M. van de Bovenkamp, Geny Groothuis, ...**Publish Year:** 2008

[Human precision-cut liver slices as a model to test ...](https://www.sciencedirect.com/science/article/pii/S0887233316300960)

<https://www.sciencedirect.com/science/article/pii/S0887233316300960>

Sep 01, 2016 · **Human** precision-cut **liver slices** (**PCLS**) is a good in vitro **model** to study fibrosis. Early onset of **fibrosis** during **culture** of **human PCLS** P38 MAPK pathway most ...

Cited by: 24**Author:** Inge M. Westra, Henricus A.M. Mutsaers, ...**Publish Year:** 2016

[\[PDF\] Liver fibrosis in vitro: cell culture models and ...](#)



ALL

IMAGES

VIDEOS

MAPS

NEWS

SHOPPING

13,700 Results

Any time ▾

[Human precision-cut liver slices as a model to test ...](#)

<https://www.sciencedirect.com/science/article/pii/S0887233316300960>

Sep 01, 2016 · **Human precision-cut liver slices** (PCLS) is a good **in vitro model** to **study fibrosis**. Early onset of **fibrosis** during **culture of human PCLS** P38 MAPK pathway most important for fibrogenesis in ...

Cited by: 24**Author:** Inge M. Westra, Henricus A.M. Mutsaers, T...**Publish Year:** 2016

[Liver slices as a model to study fibrogenesis and test the ...](#)

<https://www.sciencedirect.com/science/article/pii/S0887233307003372>

Apr 01, 2008 · Preparation and/or **culturing of human liver slices** induces fibrogenesis, which may be mediated by both activated HSC and **resident liver** (myo)**fibroblasts** and may represent a simple and rapid method to test the effects of potential **anti-fibrotic drugs** on **fibrogenic cells in human liver**.

Cited by: 62**Author:** M. van de Bovenkamp, Geny Groothuis, Dir...**Publish Year:** 2008

[A Bioreactor Technology for Modeling Fibrosis in Human and ...](#)

<https://aasldpubs.onlinelibrary.wiley.com/doi/full/10.1002/hep.30651>

Precision cut liver slices (PCLSs) are used as an **ex vivo culture model** to study **hepatic drug metabolism** and **fibrosis** and benefit from retaining the 3D structure, physiological ECM composition, and complex cell/cell interactions of the **liver**. 9-11 However, **PCLSs cultured** under static conditions in normoxia typically have a limited functional life span of ~24-48 hours attributed to hypoxia. This causes death ...

Cited by: 17**Author:** Hannah L. Paish, Lee H. Reed, Helen Brown...**Publish Year:** 2019

[\[PDF\] Liver fibrosis in vitro: cell culture models and ...](#)

<https://www.semanticscholar.org/paper/Liver...>

By combining the use of the different cell and tissue **culture models**, the mechanisms underlying multicellular **fibrosis** development can be studied in vitro and potential pro- or anti-fibrotic properties of