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**Manuscript Type:** SYSTEMATIC REVIEWS

***De novo* malignancies after liver transplantation: The effect of immunosuppression –  
personal data and review of literature**

Manzia TM *et al.* Liver transplantation, immunosuppression and *de novo* tumor

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Tisone, Leonardo Baiocchi

## Match Overview

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## De novo malignancy after liver transplantation: a single ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4384282>

The aim of this study is to evaluate the incidence of **de novo malignancy after liver transplantation** (LT) and compare with those among the general Chinese population. A total of 466 patients who had a minimum follow-up time of 6 months were enrolled in the study. All **data** of medical records and ...

**Cited by:** 1

**Author:** Peng Ji Gao, Jie Gao, Zhao Li, Zhi Ping...

**Publish Year:** 2015

## Management of de novo malignancies after liver ...

<https://www.sciencedirect.com/science/article/pii/S0955470X1400086X>

Common **de novo malignancies in liver transplant** recipients. This is especially accelerated in patients with a history of smoking and alcohol abuse. In fact, a cumulative life time history of smoking is associated with an increased risk of esophageal, head and neck and lung cancer in solid organ **transplant** recipients [6].

**Cited by:** 5

**Author:** Anjana A. Pillai

**Publish Year:** 2015

## De Novo Malignancy Post Liver Transplantation: A Single ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3740024>

13, 17, 30–33 However, a **personal** history of **cancer** at **liver transplantation** was a novel and strong predictor of increased risk of **de novo malignancy** in our study, particularly for non-skin cancers, and is supported by **data** in kidney **transplantation**.

**Cited by:** 22

**Author:** Hemant Chatrath, Kenneth Berman, Raj...

**Publish Year:** 2013

## De novo malignancies after liver transplantation using ...

[onlinelibrary.wiley.com/doi/10.1002/\(SICI\)1097-0142\(19970915\)80:6<1141::AID-CNCR18>3.0...](https://onlinelibrary.wiley.com/doi/10.1002/(SICI)1097-0142(19970915)80:6<1141::AID-CNCR18>3.0...)

The overall incidence of 7% **after** a median follow-up of 50 months corresponds to the increased **de novo**



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De novo malignancies after liver transplantation: The effect of immunosuppressor

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## De novo malignancies following liver transplantation ...

<https://aasldpubs.onlinelibrary.wiley.com/doi/full/10.1002/lt.21898>

Oct 29, 2009 · **CONCLUSIONS.** **De novo neoplasia** is a frequent complication in **liver transplant** recipients. It is one of the most frequent **causes** of death in the long term. The main risk factors for its development are EBV seronegativity (for lymphoma), ulcerative colitis (for colorectal cancer), sun radiation (for skin cancer),...

**Cited by:** 100

**Author:** J. Ignacio Herrero

**Publish Year:** 2009

## The reality of de novo malignancy: Sadly, not fake news ...

<https://aasldpubs.onlinelibrary.wiley.com/doi/10.1002/lt.24869>

Sep 16, 2017 · **De novo malignancy (DNM)** in **liver transplantation** recipients (LTRs) 1 is a leading **cause** of longterm mortality. 2 DNM can be at least partly attributed to **infection** with oncogenic viruses and to the loss of **immunogenic** surveillance in the setting of **immunosuppression**.

**Author:** Manhal Izzy, Kymberly D. Watt    **Publish Year:** 2017

## Review on immunosuppression in liver transplantation

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4450199>

Jun 08, 2015 · Both tacrolimus and cyclosporine are associated with increased **risk of de novo malignancies** in solid **organ transplantation**. The risk of **post liver transplant HCC recurrence** has been shown to be related to the high blood levels of CNIs, particularly in the early **post transplant** period rather than the type of CNI[ 64 , 101 ].

**Cited by:** 80

**Author:** Maryam Moini, Michael L Schilsky, Eric M ...

**Publish Year:** 2015

## How to improve long-term outcome after liver transplantation?

<https://onlinelibrary.wiley.com/doi/full/10.1111/liv.13651>

Indeed, high **tacrolimus exposure** is a risk factor for **de novo** solid cancer. 20 m-TOR **inhibitors** (sirolimus and everolimus) are possible alternatives to calcineurin **inhibitors** (CNIs) to prevent rejection **after transplantation**. **m-TOR inhibitors** are an attractive option as they have antitumoral properties in



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## Management of de novo malignancies after liver transplantation

<https://www.sciencedirect.com/science/article/pii/S0955470X1400086X>

The reported incidence of **de novo malignancy after liver transplantation** ranges from 2.6% to 26%, depending on the individual center and length of follow-up , , , . The cumulative risk of **de novo cancer after liver transplant** increases from 3–5% at 1–3 years to 11–20% at ten years **after transplant** , .

Cited by: 5

Author: Anjana A. Pillai

Publish Year: 2015

## De novo malignancies following liver transplantation ...

<https://aasldpubs.onlinelibrary.wiley.com/doi/full/10.1002/lt.21898>

Oct 29, 2009 · Key Points. 1. **De novo malignancy** is one of the leading causes of late mortality **after liver transplantation**. 2. The risks of skin cancers and lymphoma are more than 10-fold greater than the risks in an age-matched and sex-matched general population.

Cited by: 100

Author: J. Ignacio Herrero

Publish Year: 2009

## The reality of de novo malignancy: Sadly, not fake news ...

<https://aasldpubs.onlinelibrary.wiley.com/doi/10.1002/lt.24869>

Sep 16, 2017 · **De novo malignancy** (DNM) in **liver transplantation** recipients (LTRs) 1 is a leading cause of longterm mortality. 2 DNM can be at least partly attributed to infection with oncogenic viruses and to the loss of immunogenic surveillance in the setting of immunosuppression.

Author: Manhal Izzy, Kymberly D. Watt Publish Year: 2017

## How to improve long-term outcome after liver transplantation?

<https://onlinelibrary.wiley.com/doi/full/10.1111/liv.13651>

As non-alcoholic steatohepatitis related to metabolic syndrome is an increasing indication for **liver transplantation**, these complications may represent an increasing source of morbidity and mortality **after transplantation**. The burden of **de novo malignancy** from long-term immunosuppression justifies minimization of immunosuppression and ...

Cited by: 4

Author: François Durand

Publish Year: 2018

## Hepatocellular cancer and recurrence after liver ...

<tgh.amegroups.com/article/view/3897/4687> ▾

Hepatocellular **cancer and recurrence after liver transplantation**: what about the impact of immunosuppression? ... This article aims to **review** the available **literature** concerning the relationship