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1	Internet 59 words crawled on 02-Apr-2018 <a href="http://www.nature.com">www.nature.com</a>	4%
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**Name of Journal:** *World Journal of Clinical Cases*

**Manuscript NO:** 63277

**Manuscript Type:** MINIREVIEWS

**Anti-tumor effect of statin on pancreatic adenocarcinoma: From concept to precision medicine (review)**

Anti-tumor effect of statin on pancreatic cancer

### Abstract

Statin is a cholesterol-lowering agent through the inhibition of HMG-CoA reductase and subsequently reduction of cholesterol precursor, firstly commercial use in 1987. A concept of cholesterol restriction would lead to cancer cell dysfunction was proposed in 1992. Interruption of different signaling pathways had been proved in preclinical experiments to elucidate the anti-tumor mechanism of statin for pancreatic adenocarcinoma. Observational studies showed clinical use of statin is beneficial for patients with pancreatic adenocarcinoma including chemoprevention effect, post





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## Impact of Statin Use on Survival in Patients Undergoing ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4877304>

It has been suggested that **statins** exert potential **anti-tumor effects**. The relationship between **statin** use and outcomes in **pancreatic cancer** is controversial. We hypothesized that **statin** use at baseline would **impact** survival among patients with early-stage **pancreatic cancer** and that the **effect** might vary by individual **statin** agent.

Cited by: 27

Author: Bechien U Wu, Jonathan Chang, Christie Y ...

Publish Year: 2015

## The association between use of statin or aspirin and ...

<https://www.ncbi.nlm.nih.gov/pubmed/31637875>

Author information: (1)Department of Internal **Medicine**, Liver Research Institute, Seoul National University College of **Medicine**, Seoul, Korea. BACKGROUND: Although several studies have suggested that aspirin and **statins** may help prevent **pancreatic** ductal **adenocarcinoma** (PDAC), this **concept** has been controversial.

Cited by: 3

Author: Jin Ho Choi, Sang Hyub Lee, Gunn Huh, Ju...

Publish Year: 2019

## The association between use of statin or aspirin and ...

<https://pubmed.ncbi.nlm.nih.gov/31637875>

Background: Although several studies have suggested that aspirin and **statins** may help prevent **pancreatic** ductal **adenocarcinoma** (PDAC), this **concept** has been controversial. This study aimed to evaluate the association between use of **statin** or aspirin and PDAC in a nationwide large cohort. Methods: In this nested case-control study, we used data from a 12-year nationwide longitudinal ...

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Author: Jin Ho Choi, Sang Hyub Lee, Gunn Huh, Ju...



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Publish Year: 2019

## [The association between use of statin or aspirin and ...](#)

<https://onlinelibrary.wiley.com/doi/full/10.1002/cam4.2617>

Oct 21, 2019 · 1 INTRODUCTION. **Pancreatic ductal adenocarcinoma** (PDAC) is one of the worst prognostic cancers, with an estimated overall 5-year survival rate under 10% despite advances in...

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Author: Jin Ho Choi, Sang Hyub Lee, Gunn Huh, Ju...

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## [The association between use of statin or aspirin and ...](#)

<https://onlinelibrary.wiley.com/doi/abs/10.1002/cam4.2617?af=R>

Abstract Background Although several studies have suggested that aspirin and **statins** may help prevent **pancreatic ductal adenocarcinoma** (PDAC), this **concept** has been controversial. This study aimed ...

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Publish Year: 2019

## [The Association of Statin Use after Cancer Diagnosis with ...](#)

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0121783> ▾

Apr 01, 2015 · Background **Pancreatic** cancer has poor prognosis and existing interventions provide a modest benefit. **Statin** has anti-cancer properties that might enhance survival in **pancreatic** cancer...