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Nanotechnology and pancreatic cancer management: State of the art and further perspectives

Caputo D *et al.* Nanotechnology and pancreatic cancer

Damiano Caputo, Daniela Pozzi, Tommaso Farolfi, Roberto Passa, Roberto Coppola, Giulio Caracciolo

Abstract

¹ Pancreatic ductal adenocarcinoma (PDAC) represents a leading cause of cancer death and ¹ is often diagnosed too late to allow adequate treatments. Lots of biomarkers have been discovered in last years but, ² to date, there is a lack of low-cost and non-invasive tools for PDAC early detection. Nonetheless, drugs commonly used in PDAC

Match Overview

1	Crossref 95 words Damiano Caputo, Giulio Caracciolo "Nanoparticle-enabled blood tests for early detection of pancreatic ductal adenocarcinoma"	4%
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Aug 27, 2020 · DNA damage repair defects and **pancreatic cancer**. The incidence of PDAC shows significant variations from a geographic perspective, with the highest in high-income countries.³⁶ Although the cause of PDAC is complex and multifactorial, a variety of inherited and non-inherited risk factors have been described, some of which may explain these variations. . Non-inherited risk factors ...

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High intensity focused ultrasound (HIFU) applied to hepato-bilio-pancreatic and the digestive system-current **state of the art** and future perspectives Hepatobiliary Surg Nutr . 2016 Aug;5(4):329-44. doi: 10.21037/hbsn.2015.11.03.

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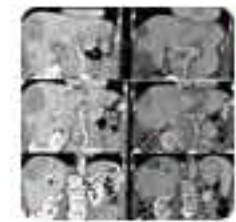
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2021-3-1 · DNA damage repair defects and **pancreatic cancer**. The incidence of PDAC shows significant variations from a geographic perspective, with the highest in high-income countries.³⁶ Although the cause of PDAC is complex and multifactorial, a variety of inherited and non-inherited risk factors have been described, some of which may explain these variations. . Non-inherited risk factors include ...

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2019-11-8 · Hermann, P. C. et al. Distinct populations of **cancer** stem cells determine tumor growth and metastatic activity in human **pancreatic cancer**. Cell Stem Cell 1 , ...

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2019-1-10 · **Pancreatic cancer** is nowadays the most life-threatening **cancer** type worldwide. The problem of poor diagnosis, anti-neoplastics resistance and biopharmaceutical drawbacks of effective anti-**cancer** drugs lead to worsen disease **state**. **Nanotechnology**-based carrier systems used in both imaging and treatment procedures had solved many of these problems.

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Publish Year: 2016

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<https://www.sciencedirect.com/science/article/pii/S0168365918306503>

Jan 10, 2019 · 1. Introduction. **Pancreatic cancer** was previously reported to be the seventh most common cause of death then it became the fourth leading cause of **cancer**-related death in Europe and the United States [1,2].Unfortunately, **cancer**-related deaths due to pancreas will take the second rank before 2030 [].In 2011, more than 266000 patients with **pancreatic cancer** passed away globally [].

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