

## Match Overview

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1	Internet link.springer.com	124 words crawled on 17-Mar-2020	24 words	2%
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9	Internet www.kironline.org	19 words crawled on 04-Sep-2020	2 words	<1%

**Name of Journal:** *World Journal of Gastroenterology*

**Manuscript NO:** 58137

**Manuscript Type:** MINIREVIEWS

**Application of artificial intelligence in the diagnosis and treatment of hepatocellular carcinoma: A review**

Jiménez Pérez M *et al.* Artificial intelligence in hepatocellular carcinoma

Miguel Jiménez Pérez, Rocío González Grande



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## Role of artificial intelligence in the care of patients ...

<https://pubmed.ncbi.nlm.nih.gov/29405289>

We present a review of the various **applications** of **ML methods** in **NSCLC** as it relates to **improving diagnosis, treatment** and outcomes. Role of **artificial intelligence** in the care of patients with nonsmall cell lung cancer

## Use of artificial intelligence in diagnosis of head and ...

<https://www.sciencedirect.com/science/article/pii/S1368837520303213>

This systematic review analyses and describes the **application and diagnostic accuracy** of **Artificial Intelligence** (AI) methods used for **detection** and grading of potentially **malignant (pre-cancerous)** and **cancerous head and neck lesions** using whole slide images (WSI) of **human tissue slides**.

**Author:** H. Mahmood, M. Shaban, B.I. Indave... **Publish Year:** 2020

## Precise hepatectomy in the intelligent digital era

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6990894>

Jan 01, 2020 · The Watson for **Oncology artificial intelligence-assisted diagnosis and treatment system** introduced by IBM (International Business Machines) is a successful **application of artificial intelligence** in the medical field 22. This system can provide **intelligent diagnosis and treatment plans** according to the level of evidence-based medical evidence for physicians to choose based on the symptoms and examination data of patients with **liver cancer**.

**Author:** Hao Chen, Yuchen He, Weidong Jia **Publish Year:** 2020

## Artificial intelligence in cancer diagnosis and prognosis ...

<https://www.sciencedirect.com/science/article/pii/S0304383519306135>

Feb 28, 2020 · Furthermore, as **artificial intelligence** (AI), especially machine learning and deep learning, has found popular **applications** in clinical cancer research in recent years, cancer prediction performance has reached new heights. This article reviews the literature on the **application** of AI to cancer **diagnosis** and prognosis, and summarizes its advantages.





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## Development of machine learning-based clinical decision ...

<https://www.nature.com/articles/s41598-020-71796-z>

1 day ago · Abajian, A. et al. Predicting **treatment** response to intra-arterial therapies for **hepatocellular carcinoma** with the use of supervised machine learning-an **artificial intelligence** concept. J. Vasc.

## Artificial intelligence in cancer diagnosis and prognosis ...

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**Cited by:** 4

**Author:** Shigao Huang, Jie Yang, Simon Fong, Simo...

**Publish Year:** 2020

## Role of artificial intelligence in the care of patients ...

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The search terms include "**artificial intelligence**," "machine learning," "lung cancer," "Nonsmall Cell Lung Cancer (NSCLC)," "**diagnosis**" and "**treatment**." Results: Recent studies support the use of computer-aided systems and the use of radiomic features to help diagnose lung cancer earlier.

**Cited by:** 14

**Author:** Mohamad Rabbani, Jonathan Kanevsky, Ka...

**Publish Year:** 2018

## Diagnostic advances of artificial intelligence and ...

<https://doi.org/10.35712/aig.v1.i2.37> ▾

Then, we **review** the research and **application** of AI and radiomics in gastrointestinal diseases, especially



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## [Deep learning with convolutional neural networks for ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6937442>

Dec 15, 2019 · **Artificial intelligence**, such as **convolutional neural networks** (CNNs), has been used in the interpretation of images and the **diagnosis** of **hepatocellular cancer (HCC)** and **liver masses**. CNN, a **machine-learning algorithm** similar to deep learning, has demonstrated its capability to recognise specific features that can detect pathological lesions.

**Cited by:** 5**Author:** Samy A Azer**Publish Year:** 2019

## [Harnessing big 'omics' data and AI for drug discovery in ...](#)

<https://www.nature.com/articles/s41575-019-0240-9>

Jan 03, 2020 · The **application** of emerging new **artificial intelligence** methods in HCC drug discovery is also discussed. **Hepatocellular carcinoma (HCC)** ...

**Cited by:** 10**Author:** Bin Chen, Lana Garmire, Diego F Calvisi,...**Publish Year:** 2020

## [Artificial intelligence in cancer diagnosis and prognosis ...](#)

<https://www.sciencedirect.com/science/article/pii/S0304383519306135>

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