

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

**ESPS Manuscript NO:** 44701

**Manuscript Type:** MINIREVIEWS

**Artificial intelligence in medical imaging of liver**

Zhou LQ *et al.* AI in medical imaging of liver

Li-Qiang Zhou, Jia-Yu Wang, Song-Yuan Yu, Ge-Ge Wu, Qi Wei, You-Bin Deng, Xing-Long Wu, Xin-Wu Cui, Christoph F Dietrich

### Abstract

Artificial intelligence (AI), particularly deep learning algorithms, is gaining extensive attention for its excellent performance in image-recognition tasks. They can automatically make a quantitative assessment of complex medical image characteristics and achieve an increased accuracy for diagnosis with higher efficiency. AI is widely used and getting increasingly popular in the

### Match Overview

1	<b>Crossref</b> 88 words Kun Wang, Xue Lu, Hui Zhou, Yongyan Gao et al. "Deep learning Radiomics of shear wave elastography significa	2%
2	<b>Internet</b> 72 words crawled on 13-Feb-2018 <a href="http://www.ncbi.nlm.nih.gov">www.ncbi.nlm.nih.gov</a>	1%
3	<b>Internet</b> 44 words crawled on 26-Dec-2018 <a href="http://en.wikipedia.org">en.wikipedia.org</a>	1%
4	<b>Crossref</b> 43 words Koichiro Yasaka, Hiroyuki Akai, Akira Kunitatsu, Osan ... Abe, Shigeru Kiryu. "Deep learning for staging liver fibro	1%
5	<b>Crossref</b> 40 words Steven J. Esses, Xiaoguang Lu, Tiejun Zhao, Krishna Sh anbhogue, Bari Dane, Mary Bruno, Hersh Chandarana. "	1%
6	<b>Internet</b> 27 words crawled on 21-Nov-2017 <a href="http://mdanderson.influent.utsystem.edu">mdanderson.influent.utsystem.edu</a>	1%
7	<b>Crossref</b> 27 words Refael Vivanti, Leo Joskowicz, Naama Lev-Cohain, Ariel Ephrat, Jacob Sosna. "Patient-specific and global convol	1%
8	<b>Crossref</b> 26 words Tarek M. Hassan, Mohammed Elmogy, El-Sayed Sallam. "Diagnosis of Focal Liver Diseases Based on Deep Le: ...	1%
9	<b>Internet</b> 25 words crawled on 29-Sep-2018 <a href="http://dlutir.dlut.edu.cn">dlutir.dlut.edu.cn</a>	<1%

[全部](#)[图片](#)[新闻](#)[视频](#)[地图](#)[更多](#)[设置](#)[工具](#)

找到约 1,190,000 条结果 (用时 0.49 秒)

小提示：仅限搜索简体中文结果。您可以在设置中指定搜索语言

[Guerbet, IBM Watson Health Partner on Artificial Intelligence for Liver ...](#)

<https://www.itnonline.com/.../guerbet-ibm-watson-health-partner-artificial-in...> ▾ [翻译此页](#)

2018年7月10日 - The first, called Watson **Imaging** Care Advisor for **Liver** [1], is planned to be a **diagnostic** support tool that will use **AI** to automate the detection, ...

[Guerbet and IBM Watson Health Announce Strategic Partnership for ...](#)

[www.guerbet.com/en/our-group/news/2018/news/.../guerbet-and-2.html](http://www.guerbet.com/en/our-group/news/2018/news/.../guerbet-and-2.html) ▾ [翻译此页](#)

Guerbet and IBM Watson Health Announce Strategic Partnership for **Artificial Intelligence in Medical Imaging, Liver**. 10.07.2018 08:30. The agreement aims to ...

[IBM Watson, Guerbet to develop AI imaging tool to help liver cancer ...](#)

<https://www.healthimaging.com/.../artificial-intelligence/ibm-watson-guerbet...> ▾ [翻译此页](#)

2018年7月10日 - IBM Watson Health and **medical imaging** contrast agent company ... to develop **artificial intelligence** (AI) software to support **liver** cancer ...

[Guerbet and IBM Watson Health Announce ... - Globe Newswire](#)

<https://globenewswire.com/.../Guerbet-and-IBM-Watson-Health-Announce-S...> ▾ [翻译此页](#)

2018年7月10日 - Guerbet and IBM Watson Health Announce Strategic Partnership for **Artificial Intelligence in Medical Imaging, Liver** ...

[全部](#)[图片](#)[新闻](#)[视频](#)[地图](#)[更多](#)[设置](#)[工具](#)

找到约 1,920,000 条结果 (用时 0.51 秒)

### Guerbet and IBM Watson Health Announce Strategic Partnership for ...

[www.guerbet.com/en/our-group/news/2018/news/.../guerbet-and-2.html](http://www.guerbet.com/en/our-group/news/2018/news/.../guerbet-and-2.html) ▼ [翻译此页](#)

"Imaging is a critical area of healthcare where we believe artificial intelligence can be used to expand the physician's view so they can be more informed in their diagnostic and treatment decisions for their patients.

### Guerbet, IBM Watson Health Partner on Artificial Intelligence for Liver ...

<https://www.itnonline.com/.../guerbet-ibm-watson-health-partner-artificial-in...> ▼ [翻译此页](#)

2018年7月10日 - The first, called Watson Imaging Care Advisor for Liver [1], is planned to be a diagnostic support tool that will use AI to automate the detection, ...

### Artificial intelligence in medical imaging: threat or opportunity ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6199205/> - [翻译此页](#)

作者: F Pesapane - 2018 - 被引用次数: 1

2018年10月24日 - Artificial intelligence in medical imaging: threat or opportunity? ..... skeletal maturity from paediatric hand radiographs, classifying liver masses, ...

Abstract · Artificial intelligence ... · The wind of change · AI in radiology: threat or ...

### IBM Watson, Guerbet to develop AI imaging tool to help liver cancer ...

<https://www.healthimaging.com/.../artificial-intelligence/ibm-watson-guerbet...> ▼ [翻译此页](#)

2018年7月10日 - IBM Watson Health and medical imaging contrast agent company ... to develop artificial intelligence (AI) software to support liver cancer ...

### Guerbet and IBM Watson Health Announce ... - Globe Newswire

<https://globenewswire.com/.../Guerbet-and-IBM-Watson-Health-Announce-S...> ▼ [翻译此页](#)

2018年7月10日 - Guerbet and IBM Watson Health Announce Strategic Partnership for Artificial Intelligence in Medical Imaging, Liver ...

### Artificial Intelligence in Health Care: Liver Fibrosis, Prostate Cancer ...

<https://medium.com/...ai/artificial-intelligence-in-health-care-weekly-roundu...> ▼ [翻译此页](#)

2016年12月26日 - Artificial Intelligence in Health Care: Liver Fibrosis, Prostate Cancer ... a new

找到约 1,920,000 条结果 (用时 0.51 秒)

### Guerbet and IBM Watson Health Announce Strategic Partnership for ...

[www.guerbet.com/en/our-group/news/2018/news/.../guerbet-and-2.html](http://www.guerbet.com/en/our-group/news/2018/news/.../guerbet-and-2.html) ▼ 翻译此页

"Imaging is a critical area of healthcare where we believe artificial intelligence can be used to expand the physician's view so they can be more informed in their diagnostic and treatment decisions for their patients.

### Guerbet, IBM Watson Health Partner on Artificial Intelligence for Liver ...

<https://www.itnonline.com/.../guerbet-ibm-watson-health-partner-artificial-in...> ▼ 翻译此页

2018年7月10日 - The first, called Watson Imaging Care Advisor for Liver [1], is planned to be a diagnostic support tool that will use AI to automate the detection, ...

### Artificial intelligence in medical imaging: threat or opportunity ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6199205/> - 翻译此页

作者: F Pesapane - 2018 - 被引用次数: 1

2018年10月24日 - Artificial intelligence in medical imaging: threat or opportunity? ..... skeletal maturity from paediatric hand radiographs, classifying liver masses, ...

Abstract · Artificial intelligence ... · The wind of change · AI in radiology: threat or ...

### IBM Watson, Guerbet to develop AI imaging tool to help liver cancer ...

<https://www.healthimaging.com/.../artificial-intelligence/ibm-watson-guerbet...> ▼ 翻译此页

2018年7月10日 - IBM Watson Health and medical imaging contrast agent company ... to develop artificial intelligence (AI) software to support liver cancer ...

### Guerbet and IBM Watson Health Announce ... - Globe Newswire

<https://globenewswire.com/.../Guerbet-and-IBM-Watson-Health-Announce-S...> ▼ 翻译此页

2018年7月10日 - Guerbet and IBM Watson Health Announce Strategic Partnership for Artificial Intelligence in Medical Imaging, Liver ...

### Artificial Intelligence in Health Care: Liver Fibrosis, Prostate Cancer ...

<https://medium.com/...ai/artificial-intelligence-in-health-care-weekly-roundu...> ▼ 翻译此页

2016年12月26日 - Artificial Intelligence in Health Care: Liver Fibrosis, Prostate Cancer ... a new