

### Artificial intelligence and deep learning in ophthalmology

<https://pubmed.ncbi.nlm.nih.gov/30361278>

**Artificial intelligence** (AI) based on **deep learning** (DL) has sparked tremendous global interest in recent years. DL has been widely adopted in image recognition, speech recognition and natural language processing, but is only **beginning** to impact on healthcare. In **ophthalmology**, DL has been applied t ...

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Author: Daniel Shu Wei Ting, Louis R Pasquale, ...

Publish Year: 2019

### Artificial intelligence in ophthalmology during COVID-19 ...

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**Artificial intelligence in ophthalmology** during COVID-19 and in the post COVID-19 era Curr Opin Ophthalmol. 2020 Sep;31(5):447-453. doi: 10.1097/ICU.0000000000000685. Authors Joelle A Hallak ...

Author: Joelle A Hallak, Angelica C Scanzera, ...

Publish Year: 2020

### The era of artificial intelligence and virtual reality ...

<https://bj.o.bmj.com/content/early/2020/08/13/bjophthalmol-2020-316845> ▾

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Author: Shaunak K Bakshi, Shawn R Lin, Dan...

Publish Year: 2020

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### Artificial intelligence and deep learning in ophthalmology ...

<https://bj.o.bmj.com/content/103/2/167> ▾

Feb 01, 2019 · Abstract. Artificial intelligence (AI) based on deep learning (DL) has sparked tremendous global interest in recent years. DL has been widely adopted in image recognition, speech recognition and natural language processing, but is only **beginning** to impact on healthcare. In ophthalmology, DL has been applied to fundus photographs, optical coherence tomography and visual fields, achieving robust ...

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**Manuscript NO:** 61218

**Manuscript Type:** REVIEW

**Artificial intelligence in ophthalmology: A new era in beginning**

Panda BB *et al.* AI in ophthalmology

Bijnya Birajita Panda, Subhodeep Thakur, Sumita Mohapatra, Subhabrata Parida

**Abstract**

The ingress of artificial intelligence (AI) into ophthalmology is not very new and is exploring its way into various subspecialties of the eye like retina and glaucoma, thereby helping ophthalmologists to diagnose and treat diseases better than before.

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### Artificial intelligence in ophthalmology during COVID-19 ...

<https://journals.lww.com/co-ophthalmology/Abstract/...> ▾

Purpose of review . To highlight **artificial intelligence** applications in **ophthalmology** during the COVID-19 pandemic that can be used to: describe ocular findings and changes correlated with COVID-19; extract information from scholarly articles on SARS-CoV-2 and COVID-19 specific to **ophthalmology**; and implement efficient patient triage and telemedicine care.

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### Artificial intelligence: the beginning of a new era in ...

<https://www.pharmaceutical-technology.com/comment/...> ▾

Artificial intelligence (AI) has already **started** to revolutionise healthcare, but this is only the **beginning** of a new era – we will see an unimaginable potential coming to fruition over the next several years. This phenomenon is often referred to as the Fourth Industrial Revolution.

### Artificial intelligence and deep learning in ophthalmology ...

<https://bjo.bmj.com/content/103/2/167> ▾

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<https://www.nejm.org/doi/full/10.1056/NEJMoa1917130>