BBC LEARNING ENGLISH
Lingohack 英语大破解
The AI that spots eye disease
用人工智能技术检测眼科疾病

本集内容

The AI that spots eye disease 用人工智能技术检测眼科疾病

学习要点

和“惊人的变化 surprising changes”有关的词汇

边看边答

How many eye conditions did the computer detect?

文字稿

On the brink of going blind, Elaine's sight was saved by doctors at Moorfields Hospital. This scan showed she needed urgent treatment.

英国摩菲眼科医院的医生成功治疗了**眼看就要**失明的伊莲。这个扫描结果显示当时她急需治疗。

Now artificial intelligence - machines - have learnt how to interpret these complex images. A computer analysed a thousand patients' scans using a set of rules - an algorithm - and was able to detect over 50 eye conditions. And did not miss a single urgent case.

如今，被俗称为“机器”的人工智能仪器学会了诠释这类复杂图像的方法。这台计算机依据一系列规则，即算法，分析了一千名病人的眼部扫描图，检测出了五十多种眼科疾病。而且没有漏掉一个紧急病例。

Dr Pearse Keane, Consultant Ophthalmologist, Moorfields Eye Hospital
This is a **jaw-dropping** result - and I think that it will make most eye specialists **gasp**. Because, you know, we have shown that this algorithm is as good as some of the world's leading experts in interpreting these scans.

皮尔斯·基恩博士 眼科主任医师 英国摩菲眼科医院
“这个结果**令人瞠目结舌**，我认为它将会使大多数眼科专家**感到震惊**。这是因为，我们向人们展示了该算法分析眼部扫描图的能力可与一些世界顶级专家相匹敌。”

Using artificial intelligence to diagnose eye disease could be a **game changer**. That's because at present, doctors are swamped by the number of scans they have to read. And some patients go blind before they get treated.

使用人工智能来诊断眼科疾病可能**改变该领域的发展形势**。因为目前，医生不得不为解读大量的眼部扫描图而忙得不可开交。而一些患者在有机会接受治疗前就失明了。

200 people a day in the UK - like Elaine - develop the blinding form of age-related macular degeneration.

英国每天有 200 人像伊莲一样患上致盲型老年性黄斑部病变。

She only has vision in her right eye - and welcomes **the advent of** artificial intelligence in healthcare.

她只有右眼还留有视力，她欢迎医疗领域中人工智能技术**的到来**。

The eye research results, published in the journal Nature Medicine, are so promising that artificial intelligence looks likely to play a key role in the NHS within just a few years.

这项眼科研究的结果发布在《自然 — 医学》期刊上，它的前景十分光明，这样看来，人工智能将会在短短数年内扮演英国国民保健系统（**NHS**）中的关键性角色。

词汇

on the brink of 面临、就要

jaw-dropping 令人震惊的

gasp （因惊讶）倒吸一口气

game changer 改变形势的事物

the advent of …的出现

视频链接：**https://bbc.in/2MnzgtF**

你知道吗？

American computer scientist John McCarthy (1927-2011) is considered one of the fathers of the discipline of artificial intelligence. He even coined the term in the 1950s.

美国计算机科学家约翰·麦卡锡（1927-2011）被认作是人工智能领域的先驱之一。"人工智能"这个词就是他在 1950 年代创造的。

问题答案

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