**Original sentence:**

The latest success of AI has been made possible thanks to tremendous growths of both computational power and data availability. In particular, AI applications based on machine learning (ML) algorithms have experienced unprecedented breakthroughs during the last decade in the field of computer vision.

**Paraphrase:**

With the immense growth of computing power and data availability, major advances have been made in artificial intelligence. Significantly, one of the most striking developments was the application of AI based on machine learning algorithm in computer vision.

**Summary:**

The application of artificial intelligence in computer vision has made progress because of the progress of computer technology and the increase of data

**Source:**

Artificial intelligence and machine learning for medical imaging: A technology review

**Original sentence:**

The medical community has taken advantage of these extraordinary developments in order to build AI applications that get the most of medical images, automating different steps of the clinical practice or providing support for clinical decisions. Papers relying on AI and ML report promising results in a wide range of medical applications.

**Paraphrase:**

For purpose of establishing AI applications for acquisition of the majority of medical images, automation of varieties of procedure of the clinical practice or helping clinicians to make better decisions, the progress of artificial intelligence has played a great role in the medical field ,according to the papers which devoted to expounding the prospect of artificial intelligence in medical application

**Summary:**

Research shows that artificial intelligence may have broad prospects in the medical field, especially in obtaining medical images, auxiliary diagnosis and so on

**Source:**

Artificial intelligence and machine learning for medical imaging: A technology review

**Original sentence:**

Deep learning algorithms, in particular convolutional networks, have rapidly become a methodology of choice for analyzing medical images. This paper reviews the major deep learning concepts pertinent to medical image analysis and summarizes over 300 contributions to the field.

**Paraphrase:**

Deep learning algorithms which are represented by convolutional neural networks are becoming more and more important in medical image processing. It is introduced in this article that the major deep learning notions related to medical image analysis and summary of more than 300 research progress in the field.

**Summary:**

We introduce the certain concepts in deep learning which play an important role in medical image analysis and summary of research progress in the field.

**Source:**

A survey on deep learning in medical image analysis