

Global Artificial Intelligence in Medical Imaging Market: Size, Trends & Forecast with Impact of COVID-19 (2022-2026)

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Abstracts

The report titled “Global Artificial Intelligence in Medical Imaging Market: Size, Trends & Forecast with Impact of COVID-19 (2022-2026)”, provides an in-depth analysis of the global artificial intelligence in medical imaging market by value, by image acquisition technology, by AI technology, by clinical application, by end-user, and by region etc. The report provides a regional analysis of the AI in medical imaging market, including the following regions: North America, Europe, Asia Pacific (China and Rest of Asia Pacific), and Rest of World. The report also provides a detailed analysis of the COVID-19 impact on the global AI in medical imaging market.

The report also assesses the key opportunities in the market and outlines the factors that are and will be driving the growth of the industry. Growth of the overall AI in medical imaging market has also been forecasted for the period 2022-2026, taking into consideration the previous growth patterns, the growth drivers, and the current and future trends.

The global AI in medical imaging market is fragmented. The key players of the global AI in medical imaging market are IBM (IBM Watson Health), Butterfly Network, Inc., Gauss Surgical, Inc., and Arterys are also profiled with their financial information and respective business strategies.

Company Coverage

IBM (IBM Watson Health)

Butterfly Network, Inc.

Gauss Surgical, Inc.

Arterys

Regional Coverage

North America

Europe

Asia Pacific

Rest of the World

Executive Summary

Artificial intelligence (AI) is a branch of computer science that aims to emulate human intelligence through intelligent systems such as image analysis and speech recognition. Medical imaging is the technique and process of imaging the interior of a body for clinical analysis and medical intervention, as well as visual representation of the function of some organs or tissues. AI methods excel at automatically recognizing complex patterns in imaging data and providing quantitative, rather than qualitative, assessments of radiographic characteristics.

The global artificial intelligence in medical imaging market can be segmented based on image acquisition technology (X-Ray, CT, MRI, Ultrasound Imaging, and Molecular Imaging); AI technology (Deep Learning and Other AI & Computer Vision); clinical application (Cardiology, Neurology, Breast, Pulmonology, Liver, and Rest of the Body); and end-user (Medical Institutions and Consumer Healthcare Environment).

COVID-19 has a positive effect on market growth. Attempts have also been made to identify various imaging features of chest CT, resulting in increased popularity for AI in the medical imaging market amid the pandemic. However, with COVID-19 cases on the rise across the world, emerging AI technologies are developed to support hospitals in scaling treatment in the second wave. It also highlights the significance of expanding the use of AI and machine learning in imaging, with the dual goals of improving

diagnoses and improving clinician well-being and job security.

The global AI in medical imaging market has increased during the years 2019-2021. The projections are made that the market would rise in the next four years i.e. 2022-2026 tremendously. The global AI in medical imaging market is expected to increase due to the increasing burden of chronic diseases, increasing health spending, increasing funding in AI, increasing government expenditure and policy support, etc. Yet the market faces some challenges such as development hurdles, the black-box nature of AI, etc. Moreover, the market growth would succeed by various market trends like increasing diversity in training datasets, detecting multiple diseases from a single image, high image resolution to maximize algorithm performance, etc.

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