

North America Hybrid Imaging Market (2019-2025)

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Abstracts

The North America Hybrid Imaging Market would witness market growth of 3.82% CAGR during the forecast period (2019-2025).

The considerable importance of a combined analysis of anatomic and molecular data to diagnose diseases is a key driver of the global market for hybrid imaging systems. In addition to the advantages of hybrid imaging and its growing use in diagnostics, there is a significant opportunity for combination hybrid imaging PET or SPECT with MRI. Increased prevalence of chronic diseases, raised awareness of early diagnosis, and a higher number of diagnostic procedures are driving the market. Accreditation of the site, technologist training, medical training and high processing costs among the underprivileged are the major constraints of the global market for hybrid imaging systems.

Multimodal imaging systems face major technical difficulties due to system integration problems. For example, a traditional PET system requires PMTs to monitor scintillation light, and PMTs are extremely sensitive to magnetic fields. Due to this, the regular PET cannot be handled directly within the MRI system. To avoid this issue, PET and MR need separation utilizing an active shield to protect PMT against magnetic fields; an integrated device can then be used for medical imaging. This could serve as a restraint to hybrid imaging market growth.

The segment of the OCT/Fundus Imaging System is also projected to grow at a substantial pace over the years to come. A multimodal imaging system is primarily used for clinical and preclinical procedures in the field of ophthalmology. The Fundus camera enhances the exposure of the retinal vasculature, pigmentation, nerve fiber arrangement, and optic nerve head. On the other end, OCT aims to capture a given image to determine the inner and outer thickness of the retina, thereby improving the diagnosis of ophthalmic disorders.

Based on Application, the market is segmented into Oncology, Ophthalmology, Cardiology, Brain & Neurology, and Other Applications. Based on Type, the market is segmented into PET/CT systems, SPET/CT systems, PET/MR systems, OCT/Fundus Imaging System and Other types. Based on End Use, the market is segmented into Hospitals, Diagnostic Imaging Centers and Other End Use. Based on countries, the market is segmented into U.S., Mexico, Canada, and Rest of North America.

The market research report covers the analysis of key stake holders of the market. Key companies profiled in the report include Siemens AG (Siemens Healthineers), Canon, Inc. (Canon Medical Systems Corporation), General Electric (GE) Co. (GE Healthcare), Hitachi, Ltd. (Hitachi Healthcare), Koninklijke Philips N.V., PerkinElmer, Inc., Bruker Corporation, Atlantis Worldwide, LLC.

SCOPE OF THE STUDY

Market Segmentation:

By Application

Oncology

Ophthalmology

Cardiology

Brain & Neurology

Other Applications

By Type

PET/CT systems

SPET/CT systems

PET/MR systems

OCT/Fundus Imaging System

Other types

By End User

Hospitals

Diagnostic Imaging Centers

Other End Use

By Country

US

Canada

Mexico

Rest of North America

Companies Profiled

Siemens AG (Siemens Healthineers)

Canon, Inc. (Canon Medical Systems Corporation)

General Electric (GE) Co. (GE Healthcare)

Hitachi, Ltd. (Hitachi Healthcare)

Koninklijke Philips N.V.

PerkinElmer, Inc.

Bruker Corporation

Atlantis Worldwide, LLC

Cubersa, Inc.

Amber Diagnostics, Inc.

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