

Acute Ischemic Stroke Diagnosis Market By
Technology (Computed Tomography, Magnetic
Resonance Imaging, Carotid Ultrasound, Cerebral
Angiography, Electrocardiography,
Echocardiography, Others), By End User (Hospitals
and Clinics, Ambulatory Surgery Centers, Diagnostic
Laboratories and Imaging Centers, Others): Global
Opportunity Analysis and Industry Forecast,
2024-2033

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Abstracts

Acute Ischemic Stroke Diagnosis Market

The acute ischemic stroke diagnosis market was valued at \$2.1 billion in 2023 and is projected t%li%reach \$3.6 billion by 2033, growing at a CAGR of 5.7% from 2024 t%li%2033.

Acute ischemic stroke (AIS) is a fatal condition that includes abrupt obstruction of blood flow t%li%the brain, leading t%li%neurological dysfunction. The blockage is typically caused due to a thrombus or embolus, resulting in brain tissue ischemia and infarction. Sudden weakness, difficulty speaking or understanding speech, numbness on one side of the body, vision problems, severe headaches, and dizziness are the most common symptoms of AIS. Immediate diagnosis for the condition involves clinical assessment and neuroimaging via CT or MRI, which is pivotal t%li%timely restore the blood flow and reduce brain damage.

Increase in the prevalence of AIS, particularly in the elderly population, is boosting the



demand for acute ischemic stroke diagnosis. The elderly population is growing exponentially across the globe and dynamic changes in lifestyle are leading t%li%rise in the occurrence of life-threatening conditions among them. Moreover, surge in expenditure on healthcare and diagnostic technologies is a key driver of the market. Non-invasive imaging techniques such as arterial spin labeling are trending for the diagnosis of AIS in recent times. Such techniques enable measurement of cerebral blood flow non-invasively, hence helping t%li%assess the tissue viability with quick & precise diagnosis.

However, the expense associated with such cutting-edge diagnosis techniques is significantly high which prevents the low-income population from leveraging its benefits, hence hampering the market development. Moreover, the reimbursement landscape for acute ischemic stroke diagnosis is highly inconsistent and challenging, thereby restricting the growth of the market. On the contrary, the consistent efforts by government t%li%reduce the prevalence of AIS is anticipated t%li%present lucrative opportunities for the market. For instance, the European Stroke Organization began an initiative called Stroke Action Plan for Europe in 2018 which aims t%li%improve the preventive action for stroke until 2030.

Segment Review

The acute ischemic stroke diagnosis market is segmented int%li%technology, end user, and region. On the basis of technology, the market is divided int%li%computed tomography, magnetic resonance imaging, carotid ultrasound, cerebral angiography, electrocardiography, echocardiography, and others. Depending on end user, it is classified int%li%hospitals & clinics, ambulatory surgery centers, diagnostic laboratories and imaging centers, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

Key Findings

On the basis of technology, the computed tomography segment acquired high stakes at the market in 2023.

Depending on end user, the hospitals & clinics segment was the highest shareholder in 2023.

Region wise, North America is poised t%li%be the highest revenue generator by 2023.



Competition Analysis

The major players operating in the global acute ischemic stroke diagnosis market include Koninklijke Philips N.V., GE Healthcare, Canon Inc., Simens, Terum%li%Corporation, Stryker, Fujifilm Holdings Corporation, Samsung Electronics Co. Ltd, F. Hoffmann-La Roche Ltd, and Boehringer Ingelheim International GmbH. These players have adopted various key developmental strategies such as business expansion, new product launches, and partnerships t%li%strengthen their foothold in the market.

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Additional company profiles with specific t%li%client's interest

Additional country or region analysis- market size and forecast

Expanded list for Company Profiles

Historic market data

Key Market Segments

By Technology

Computed Tomography

Magnetic Resonance Imaging

Carotid Ultrasound

Cerebral Angiography

Electrocardiography

Echocardiography

Others

By End User

Hospitals and Clinics

Ambulatory Surgery Centers

Diagnostic Laboratories and Imaging Centers



	Others					
By Region						
	North America					
	U.S.					
	Canada					
	Mexico					
	Europe					
	Germany					
	France					
	UK					
	Italy					
	Spain					
	Rest of Europe					
	Asia-Pacific					
	Japan					
	China					
	India					
	Australia					
	South Korea					



Rest of Asia-Pacific						
LAMEA						
Brazil						
Saudi Arabia						
South Africa						
Rest of LAMEA						
Key Market Players						
Koninklijke Philips N.V.						
GE Healthcare						
Canon Inc.						
Simens						
Terum%li%Corporation						
Stryker						
Fujifilm Holdings Corporation						
Samsung Electronics Co. Ltd						
F. Hoffmann-La Roche Ltd						
Boehringer Ingelheim International GmbH						



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