

# **Embolotherapy Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028**

## **Segmented By Product {Embolic Agents (Microspheres, Liquid Embolic Agents, Coil), Microcatheters}, By Indication (Oncology, Vascular, Aneurysm, Urology, Nephrology), By Procedure (TACE, TARE), By End User (Hospital, Clinics, Ambulatory Surgery Centers), By Region and Competition**

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### **Abstracts**

The Global Embolotherapy Market was valued at USD 3.67 Billion in 2022 and is expected to experience substantial growth in the forecast period, with a Compound Annual Growth Rate (CAGR) of 8.35% and expected to reach USD 5.99 Billion through 2028. Embolotherapy, a minimally invasive treatment that selectively restricts blood flow to specific areas, is gaining recognition and popularity globally. This endovascular procedure is utilized to occlude abnormal blood vessels, effectively controlling or stopping bleeding. In urgent cases of severe hemorrhage, Embolotherapy is emerging as a viable alternative to invasive surgery, particularly for cases like severe bleeding. Interventional radiologists perform this procedure in various clinical settings. The applications of Embolotherapy have expanded significantly, especially in cutting-edge procedures like prostatic artery embolization (PAE) for benign prostatic hyperplasia and gastric artery embolization (GAE) for weight loss. These procedures have proven to be effective in treating their respective conditions. For instance, PAE is performed globally to address lower urinary tract symptoms (LUTS) caused by BPH, with over 800 procedures annually. Embolotherapy is also used in managing chronic pain conditions, treating uterine fibroids, and addressing specific types of cancer, such as liver cancer.

## Key Market Drivers

### Growing Target Patient Population

The prevalence of cardiovascular disease (CVD) and the increasing importance of successful treatments have led to a focus on research into effective interventions. Peripheral vascular diseases affected over 200 million individuals globally in 2017. With age, the prevalence of these diseases rises, particularly in those aged 80 and above. The demand for Embolotherapy devices is driven by its success rate, low postoperative complications, and the rising incidence of conditions like liver cancer and hepatocellular cancer. Liver cancer is among the most common cancers in men and women, with over 840,000 new cases diagnosed worldwide in 2018. Kidney cancer incidence rates have also increased, particularly in the United Kingdom. These trends contribute to the demand for Embolotherapy.

### Rising Patient Preference for Minimally Invasive Procedures

The increasing preference for minimally invasive surgeries is driving the demand for procedures like Embolotherapy. Patients opt for these procedures due to reduced postoperative pain, fewer complications, shorter hospital stays, and faster recovery times. Techniques like Trans Arterial Chemo Embolization (TACE) are evolving as minimally invasive alternatives, revolutionizing treatments like hepatocellular carcinoma. Prostatic Artery Embolization (PAE) serves as a minimally invasive therapy for benign prostatic hyperplasia (BPH) and its associated symptoms. The growing preference for these procedures is expanding the embolotherapy market.

### Funding & Investments by Government and Private Organizations

Adequate funding and investments drive research, development, and refinement of medical procedures like Embolotherapy. Positive trial results instill confidence in medical professionals and patients, driving demand for adoption. Training programs and medical education disseminate knowledge among professionals, leading to increased demand. Government funding and support influence insurance coverage and reimbursement policies, making Embolotherapy more accessible.

### Technological Advancements in Embolotherapy Devices

Technological advancements in embolotherapy devices have improved precision,

effectiveness, and minimally invasive qualities. Enhanced microcatheters, advanced imaging techniques, navigation systems, robotics, and visualization tools have transformed the field. These advancements improve procedural outcomes, patient safety, and recovery times. As technology evolves, the embolotherapy field will likely see further innovations enhancing these procedures.

## Key Market Challenges

### Stringent Regulations

Artificial embolization devices are classified as medical devices and are subject to stringent regulations. Regulatory classifications impact device approval and authorization, influencing the market landscape.

### Lack Of Skilled Medical Professionals

A shortage of skilled professionals can limit access to embolotherapy treatments, affecting patient outcomes and increasing risks.

## Key Market Trends

### Increasing Acquisitions and Collaborations

Collaborations enhance research, development, accessibility, and awareness of embolotherapy. Collaborative efforts accelerate innovation and solutions tailored to diverse patient needs.

### Advancement in Oncology

The need for innovative cancer treatments drives demand for personalized solutions like embolotherapy. Precision and minimal invasiveness make embolotherapy attractive in personalized oncology care.

## Segmental Insights

### Product Insights

The embolic agent segment dominates the market due to the increasing prevalence of conditions requiring microspheres, especially in hepatocellular carcinoma treatment.

## End User Insights

Hospitals are the primary users of embolotherapy devices. The increasing utilization of minimally invasive procedures, growing healthcare provider purchasing power, and availability of reimbursements contribute to this segment's growth.

## Regional Insights

### North America

North America leads the market due to the prevalence of conditions requiring embolization, a well-established healthcare system, and ongoing advancements in embolic agents.

### Asia-Pacific

The Asia-Pacific region is expected to experience the fastest growth due to increasing patient populations, government healthcare investments, and rising cancer incidence.

## Key Market Players

Medtronic, PLC

Microport Scientific

Boston Scientific Corporation

Stryker

Terumo Corporation

Penumbra, Inc.

Sirtex (CDH)

Johnson & Johnson

Abbott Laboratories

Balt Group

Report Scope:

In this report, the Global Embolotherapy Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Embolotherapy Market, By Product:

Embolic Agents

Microspheres

Liquid Embolic Agents

Coil

Microcatheters

Embolotherapy Market, By Indication:

Oncology

Vascular

Aneurysm

Urology

Nephrology

Embolotherapy Market, By Procedure:

TACE

TARE

## Embolotherapy Market, By End User:

Hospital

Clinics

Ambulatory Surgery Centres

## Embolotherapy Market, By Region:

### North America

United States

Canada

Mexico

### Europe

France

United Kingdom

Italy

Germany

Spain

### Asia-Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Kuwait

Turkey

Egypt

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Embolotherapy Market.

Available Customizations:

Global Embolotherapy market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).



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