Perfusion Market Research Report - Global Forecast till 2023

Report / Search Code: MRFR/HC/0386-HCRR  Publish Date: August, 2018

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Description:

Perfusion Market Information, By Type (Cardiopulmonary Bypass, Isolated Limb Perfusion, & Others), By Application (Heart, Lung, & Others), By Device Type (Normothermic Machine Perfusion, & Others), By End User (Hospital, & Others) - Global Forecast Till 2023

Intended Audience

- Perfusion system/device supplies companies
- Perfusion system/device provides
- Medical research laboratories
- Research and development (R&D) companies
- Market research and consulting service providers
- Potential investors

Market Synopsis of Global Perfusion Market

Market Scenario

Perfusion is a process of delivering oxygenated blood to all tissues. This technique is used in cardiac surgery where perfusion experts employ artificial blood pumps to thrust patients’ blood through their body tissue by replacing the function of the heart while the cardiac surgeon operates. Perfusion can be used as chemotherapy technique for the treatment of melanoma occurring in arm or legs. With the help of this technique, flow of blood to and from the limb is stopped for a while by creating a band, and anticancer drugs are put directly in blood of the limb. This helps patients to receive a high dose of drugs in the area where the melanoma had occurred.

Poor perfusion causes numerous severe health problems such as deep vein thrombosis and coronary artery disease. It has been observed that during major surgeries such as cardiothoracic surgeries and organ transplant, maintenance of perfusion is vital and to maintain this many preservation methods are being used. The two most important methods are machine perfusion (MP) and static cold storage (SCS). Although SCS is a highly adopted process for preservation, it is inefficient to maintain normal functioning of organs at high-risk. Hypothermic machine perfusion (HMP) has emerged as an effective solution to curb such problems. Every year more than one hundred thousand perfusion procedures are being performed around the globe.

Rising number of chronic diseases cases such as cardiac diseases, liver and kidney diseases often leads to organ transplant and is one of the major driver of the global perfusion market. Moreover, rising cases of organ failure due to other factors such as improper diet, smoking and consumption of alcohol has led to the demand of effective perfusion systems. As per National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), more than 661,000 Americans have kidney failure which is a major driving force for the global perfusion market. However, lack of awareness regarding perfusion systems in developing countries can limit the growth of this market.

The global perfusion market is growing steadily and is expected to continue its growth during the
forecast period. Global perfusion market is expected to grow at the CAGR of 4.1% during the forecast period and is estimated to reach around USD 1,527 million by 2023.

FIGURE 1 GLOBAL PERFUSION MARKET SHARE BY DEVICE TYPE, 2016 (%)

Market Assessment

Segments

Global perfusion market has been segmented on the basis of type which comprise of cardiopulmonary bypass, extracorporeal membrane oxygenation, isolated limb perfusion and others. Cardiopulmonary bypass is further sub-segmented into heart-lung machines, oxygenators, perfusion pumps, monitoring systems, cannulas, and other components.

On the basis of application, it is segmented into lungs, heart, liver, kidneys and others. On the basis of device type, the market has been segmented into hypothermic machine perfusion, normothermic machine perfusion and others. On the basis of end user, it is segmented into hospital, specialty clinics, medical research centers, academic institutes, and others.

Regional Analysis of Global Perfusion Market

Considering the global scenario of the market, the Americas is the largest market of perfusion. The Americas mainly includes North America and Latin America. North America is a dominating region across the global market. Some major factors like technological advancement and growing number of organ transplants are major driving factors for the growth of the global perfusion market. Europe is the second highest revenue generating region in the global perfusion market. Europe is mainly divided into Eastern Europe and Western Europe. More developed countries of Western Europe like Germany, France and UK are holding major market share while the market in East European countries are also growing significantly. Due to the developing healthcare infrastructure, increasing healthcare expenditure, and growing adoption of new techniques for perfusion and organ preservations has led to the fastest growth of the Asia Pacific perfusion market. Middle East & Africa is expected to grow slow growth in this market. Middle Eastern countries like UAE and Saudi are dominating this market, it is mainly due to availability of top class medical facilities, high income and government support to improve public health.

Key Players of Global Perfusion Market

Some of the key players in this market are Getinge AB (Sweden), Medtronic (Ireland), LivaNova PLC (U.K.), Terumo Medical Corporation (Japan), XENIOS AG (Germany), Lifeline Scientific, Inc. (U.S.), XVIVO Perfusion (Sweden), Repligen Corporation (U.S.), Spectrum Laboratories, Inc. (U.S.), Merck KGaA (Germany), Harvard Bioscience, Inc. (U.S.), Ala Science (U.S.) and others.
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