

Global Mechanical Circulatory Support (MCS) Market with Focus on the Ventricular Assist Device (VAD) (2016-2020)

<https://marketpublishers.com/r/GE630F1AAA2EN.html>

Date: July 2016

Pages: 64

Price: US\$ 900.00 (Single User License)

ID: GE630F1AAA2EN

Abstracts

Scope of the Report

The report entitled “Global Mechanical Circulatory Support (MCS) Market with Focus on the Ventricular Assist Device (VAD) (2016-2020)”, provides analysis of the global MCS market, with detailed analysis of market size and growth, penetration, market share and economic impact of the industry. The analysis includes the market by value, by volume, by segments, etc. The report also includes the analysis of the United States MCS market by value, by volume, etc.

The report further highlights key market figures for Ventricular Assist Device (VAD), which is a key device in the MCS market.

Furthermore, 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 global MCS market has also been forecasted for the years 2016-2020, taking into consideration the previous growth patterns, the growth drivers and the current and future trends.

Thoratec (St. Jude Medical), HeartWare International and ReliantHeart are some of the key players operating in the global MCS market, whose company profiling has been done in the report. In this segment of the report, business overview, financial overview and business strategies of the companies are provided.

Country Coverage

United States

Company Coverage

Thoratec (St. Jude Medical)

HeartWare International

ReliantHeart

Executive Summary

Heart failure occurs when the heart muscle is unable to pump enough blood to meet the body's needs for blood and oxygen. It is a chronic and progressive condition in which the heart cannot keep up with its workload.

Treatment alternatives available for the heart failure are: Medical Management, Coronary Angioplasty, Coronary Artery Bypass Graft Surgery, Heart Restraint Devices, LV Reduction Surgery, Total Artificial Heart, Heart Transplant, Intra-aortic Balloon Pumps and Mechanical Circulatory Support.

A mechanical circulatory support (MCS) device is designed to take over the pumping function (a part or full) of the heart by mechanically pumping blood into the aorta. In this process, blood is allowed to flow from the left ventricle to the pump chamber via the cannula, which is powered by an electric source outside the body.

MCS therapy can be segmented into Chronic MCS and Acute MCS. A ventricular assist device, or VAD, is a mechanical pump used to support heart function and blood flow in people with weak or failing hearts. The VAD treatment for chronic MCS can be divided into Bridge-to-Transplantation (BTT) and Destination Therapy (DT) and in acute MCS, the same can be divided into Post-Cardiotomy Myocardial Recovery Following Cardiac Surgery and Cardiac Surgery Support.

The global mechanical circulatory support (MCS) market is expected to increase at significant growth rates during the forecasted period (2016-2020). The global MCS market is supported by various growth drivers, such as, long waiting list for heart transplant treatment, launches of new products, better results of MCS relative to other treatment options etc. Yet, the market faces certain challenges, such as, low

awareness, side effects of LVAD, etc.

Contents

1. EXECUTIVE SUMMARY

2. INTRODUCTION

2.1 Heart Failure: An Overview

2.1.1 Working of Heart

2.1.2 Heart Failure

2.1.3 Treatment Alternatives for Heart Failure

2.2 Mechanical Circulatory Support: An Overview

2.2.1 History of Mechanical Circulatory Support

2.2.2 Mechanical Circulatory Support by Segments

2.2.3 Acute Mechanical Circulatory Support by Treatment

2.3 Ventricular Assist Device (VAD): An Overview

3. MARKET ANALYSIS

3.1 Mechanical Circulatory Support Market: An Analysis

3.1.1 Global MCS Market by Market Opportunity

3.1.2 Global MCS Market by Value

3.1.3 Global MCS Market by Segments

3.1.4 US MCS Market by Market Opportunity

3.2 Chronic MCS Market: An Analysis

3.2.1 Global Chronic MCS Market by Value

3.2.2 Global Chronic MCS Market Value by Region

3.2.3 Global Chronic MCS Market by Volume

3.2.4 US Chronic MCS Market by Value

3.2.5 US Chronic MCS Market by Segments

3.2.6 US Chronic MCS Market Segmentation by Addressable Population

3.3 Acute MCS Market: An Analysis

3.3.1 Global Acute MCS Market by Value

3.3.2 Global Acute MCS Market by Segments

4. VENTRICULAR ASSIST DEVICE (VAD) MARKET ANALYSIS

4.1 Global VAD Market: An Analysis

4.1.1 Global VAD Market by Value

4.1.2 Global LVAD Market by Growth Rate

4.2 US VAD Market: An Analysis

4.2.1 US VAD Market by Value

4.2.2 US VAD Market by Segments

5. MARKET DYNAMICS

5.1 Growth Drivers

5.1.1 Waiting List for Heart Transplant

5.1.2 Negatives of Other Treatment Options for Heart Failure

5.1.3 New Product Launches

5.2 Challenges

5.2.1 Side Effects of LVAD

5.2.2 US Protection and Affordable Care Act

5.2.3 Low Awareness

5.3 Market Trends

5.3.1 Third Party Reimbursement

5.3.2 National Coverage Determination

5.3.3 Product Adoption

6. COMPETITIVE LANDSCAPE

6.1 Global MCS Market by Device Comparison

7. COMPANY PROFILING

7.1 St. Jude Medical, Inc.

7.1.1 Business Overview

7.1.2 Financial Overview

7.1.3 Business Strategy

7.2 HeartWare International

7.2.1 Business Overview

7.2.2 Financial Overview

7.2.3 Business Strategy

7.3 ReliantHeart

7.3.1 Business Overview

7.3.2 Business Strategy

List Of Figures

LIST OF FIGURES

- Figure 1: Treatment Alternatives for Heart Failure
- Figure 2: History of Mechanical Circulatory Support/ VAD
- Figure 3: Mechanical Circulatory Support by Segments
- Figure 4: Acute Mechanical Circulatory Support by Treatment
- Figure 5: Global MCS Market by Value; 2015-2020 (US\$ Million)
- Figure 6: Global MCS Market by Segments; 2015
- Figure 7: Global Chronic MCS Market by Value; 2014-2020 (US\$ Million)
- Figure 8: Global Chronic MCS Market Value by Region; 2015
- Figure 9: Global Chronic MCS Market by Volume; 2015 (Units)
- Figure 10: US Chronic MCS Market by Value; 2015-2020 (US\$ Million)
- Figure 11: US Chronic MCS Market by Segments; 2015
- Figure 12: Global Acute MCS Market by Value; 2015-2020 (US\$ Million)
- Figure 13: Global Acute MCS Market by Segments; 2015
- Figure 14: Global VAD Market by Value; 2014-2020 (US\$ Million)
- Figure 15: Global LVAD Market by Growth Rate; 1Q14-1Q15
- Figure 16: US VAD Market by Value; 2014-2020 (US\$ Million)
- Figure 17: US VAD Market by Segments; 2015
- Figure 18: St. Jude Medical Net Sales; 2011-2015 (US\$ Billion)
- Figure 19: St. Jude Medical Net Sales by Segments and by Region; 2015
- Figure 20: HeartWare Revenue; 2011-2015 (US\$ Million)
- Figure 21: HeartWare Research and Development Expense; 2011-2015 (US\$ Million)
- Table 1: Global MCS Market by Market Opportunity
- Table 2: US MCS Market by Market Opportunity
- Table 3: US Chronic MCS Market Segmentation by Addressable Population
- Table 4: US Heart Transplant Facts (As of February 2015)
- Table 5: Global MCS Market by Device Comparison

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