Global Coronary Stent Market

2013
Executive Summary

Coronary heart diseases are nowadays becoming more and more common, and in fact, are one of the largest killing diseases worldwide. Heart attack is caused by narrowing of or any blockage in the coronary arteries, which supply blood to heart muscles. Stents used in the coronary arteries to keep them open are called coronary stents, and are gaining importance due to intensity and rate of increase of the disease.

The coronary stents market has witnessed growth as well as decline phases in its journey. Since the advent of coronary stents, followed by the emergence of drug eluting stents, the field of stents in the treatment of coronary artery disease has been characterized by aggressive development of new technologies, from minor changes in strut design and drug-coating processes to more radical thinking of the kind that lead from bare metal stents to drug-eluting stents. The market is recording a decline in revenues due to release of some adverse clinical trial data that raised questions about the efficacy and safety of drug-eluting stents.

The Percutaneous coronary intervention (PCI) procedures and the use of drug-eluting stents (DES) in those procedures, implying the DES penetration rate are the main indicators of growth of the DES market or the coronary market at large. Bare metal stents (BMS) and drug-eluting stents are the two types of coronary stents. Before the advent of DES, BMS were the only type of stents available and hence covered the entire market. Since entry of DES, the market has shifted almost entirely towards DES.

The present report analyzes the coronary stent market on the basis of two of its segments: i.e., BMS and DES which includes market sales, number of procedures worldwide and market share. The report offers a comprehensive analysis of the worldwide coronary stent market with a special focus on the regional markets including the US, China, Japan and Europe/Rest of the world. The competition in the global coronary stent market is intense with few large players viz. Abbott Laboratories, Medtronic, Boston Scientific and Johnson & Johnson. In addition, competitive landscape of global drug eluting stent market, the US, Japan, China and Europe/rest of the world DES market along with the company profiles of the leading players in the market is discussed in detail.

The developments observed within the industry include international launch of Resolute Integrity Stent System. But there are certain challenges which the industry is facing as of now which are use of alternative coronary stents and malfunctioning of coronary stent devices. The major factors which will contribute in the growth of the industry include growing ageing population, rising diabetic population, increasing cases of hypertension, rising healthcare expenditure and growing Gross national income among others.

By combining SPSS Inc.’s data integration and analysis capabilities with our relevant findings, we have predicted the future growth of the industry. We employed various significant variables that have an impact on this industry and created regression models with SPSS Base to determine the future direction of the industry. Before deploying the regression model, the relationship between several independent or predictor variables and the dependent variable was analyzed using standard SPSS output, including charts, tables and tests.
Coronary Stents are used in the treatment of Coronary Artery Diseases which is one of the most common cardiovascular diseases in the world.

- The global coronary stent market revenue decreased from US$...... billion in 2010 to US$...... billion in 2011 showing a decline of ......%. This decline was a result of decline in the average selling price of drug eluting stents and also release of some adverse clinical trials raising questions about safety and efficacy of DES.

- The global stent procedures increased from ........ in 2010 to ........ in 2011 witnessing an improvement of ........%. This increase was mainly due to increase in number of coronary heart or artery diseases. The same reported a CAGR of ........% for the period spanning 2006-2011.

- **Industry Developments and trends:**
  - Launch of Coronary Stent in Japan
  - International Launch of Resolute Integrity Stent System

- **Market Growth Drivers**
  - Rising Ageing Population
  - Diabetic Population
  - Increasing Case of Hypertension
  - Rising Healthcare Expenditure
  - Increasing Global National Income
Coronary Stent market is bifurcated into two segments viz. Drug Eluting Stent (DES) and Bare Metal Stent (BMS) Market.

- In 2012, it was estimated that the US held the biggest share in the drug eluting stent sales accounting for ........% of the DES sales. Japan was estimated to have accounted for ........% of the total DES sales followed by Europe/Rest of the World with ........% share.

- As of 2011, the sales of drug eluting stents witnessed a decrease from US$........ billion in 2010 to US$........ billion in 2011 showing a decline of ........%.

- The sales of bare metal stents decreased from US$........ billion in 2010 to US$........ billion in 2011 showing a decline of ........%.

In 2012, the sales were estimated to have further declined to US$........ billion in comparison with 2011.

The rise in the sales was mainly due to a decrease in the prices of bare metal stents, thereby leading to an increase in their affordability.
The Coronary Stent Market is highly competitive. In 2012, the leader of DES market was expected to be Abbott Laboratories...

- On the competition front, Abbott Laboratories was expected to be the leading company in the market for drug eluting stent market world over, with approximately ...% of the market share for the year 2012, followed by Boston Scientific and Medtronic with ...% and ...% respectively.

- In 2011, the global coronary stent procedures increased from ........ in 2010 to ........ in 2011 showing a growth of .......%. The global coronary stent procedures is expected to grow at a CAGR of ......% for the period spanning 2010-2015 rising from ........ in 2010 to ........ in 2015.

- Key Issues faced by the respective industry include:

  Use of Alternative Coronary Stents and Malfunctioning of Coronary Stent Devices.

Note: Market attractiveness is inverse of penetration. Low penetration means high attractiveness and vice-versa.
Table of Contents

1. Overview
1.1 Medical Treatments for CAD
1.1.1 Bypass Surgery (or CABG)
1.1.2 Percutaneous Coronary Intervention (PCI) or Angioplasty
1.1.3 Stenting

2. Coronary Stent Market

2.1 Global Market
- Market Value
- Market Volume

2.2 Coronary Stent Market by Major Regions

2.2.1 The United States
- Market Volume
- DES Sales

2.2.2 Japan
- Market Overview
- DES Sales

2.2.3 China
- Market Volume
- PCI Procedures

2.2.4 Europe/Rest of the World
- Market Overview
- DES Sales

2.3 Coronary Stent Market by Stent Types

2.3.1 Bare Metal Stents
- Market Value
- Market Volume

List of Graphs & Tables

List of Charts

Types of Stents
Global Stent Market Revenue Growth (2001-2012E)
Global Coronary Stents Procedures (2006-2012E)
Global DES Sales - Share Breakdown by Country (2012E)
Coronary Stents Procedures in the US (2007-2012E)
DES Market Sales in the U.S. (2010-2013E)
DES Market Sales in Japan (2010-2013E)
China Coronary Stent Market Revenue (2005-2013E)
PCI Volume in China (2005-2012E)
DES Market Sales in Europe/Rest of the World (2010-2013E)
Worldwide Bare Metal Stent Sales (2003-2012E)
Global Bare Metal Stent Procedures (2007-2012E)
Worldwide Drug Eluting Stent Sales (2003-2012E)
Global DES Procedures (2007-2012E)
World Population with Diabetes, Age Group 20-79 years (2006-2012)
BP Pattern across various Stages of Hypertension
Hypertension Prevalence in the US (2010-2015E)
Hypertension Prevalence in the Developed Europe (2010-2015E)
Global Market Shares of Leading Players in the DES Market (2012E)
Market Share of Leading Players in the US DES Market (2012E)
Market Share of Leading Players in Japan DES Market (2012E)
Market Share of Major DES Players in China (2007-2012E)
Market Share of Leading Players in Rest of the World DES Market (2012E)
Boston Scientific Sales by Product Categories (2011)
Boston Scientific Sales by Region (2011)
Boston Scientifics’ Total Sales and Net Income (2008-2012)
2.3.2 Drug Eluting Stents
- Market Value
- Market Volume

3. Market Dynamics

3.1 Growth Drivers

3.1.1 Ageing Population
3.1.2 Diabetic Population
3.1.3 Increasing Cases of Hypertension
3.1.4 Rising Healthcare Expenditure
3.1.5 Increasing Global GNI (Gross National Income)

3.2 Developments

3.2.1 Launch of Coronary Stent in Japan
3.2.2 International Launch of Resolute Integrity Stent System

3.3 Challenges

3.3.1 Use of Alternative Coronary Stents
3.3.2 Malfunctioning of Coronary Stents devices

4. Competitive Landscape

4.1 Global Drug Eluting Stents Market
4.2 The United States
4.3 Japan
4.4 China
4.5 Rest of the World

5. Company Profiles

5.1 Boston Scientific

5.1.1 Business Overview
5.1.2 Financial Highlights

List of Tables

- Johnson & Johnson’s Revenue Share by Business Segments (2012)
- Johnson & Johnson’s Revenues and Net Earnings (2008-2012)
- Abbott Laboratories Revenue – Share by Segments (2012)
- Abbott Laboratories Revenue (2008-2012)
- Medtronic Sales by Product Categories (2012)
- Medtronic Sales by Region (2012)
- Medtronic’s Total Sales and Net Income (2008-2012)
- Global Coronary Stent Procedures (2010-2015F)
5.1.3 Business Strategies
- Growth through Market Expansion
- Acquisition Policy

5.2 Johnson & Johnson (Cordis Corp.)
5.2.1 Business Overview
5.2.2 Financial Overview
5.2.3 Business Strategies
- Focus on Financial Risk Minimization
- Concentration on Long-term Growth

5.3 Abbott Laboratories
5.3.1 Business Overview
5.3.2 Financial Highlights
5.3.3 Business Strategies
- Mergers and Acquisitions
- Expansion in Emerging Markets

5.4 Medtronic
5.4.1 Business Overview
5.4.2 Financial Highlights
5.4.3 Business Strategies
- Expansion through Strategic Acquisitions
- Product Innovation

6. Market Outlook
6.1 Market Forecast
6.2 Forecast Methodology
6.2.1 Dependent and Independent Variables
6.2.2 Correlation Analysis
6.2.3 Regression Analysis
These are abridged and sanitized sample pages from the comprehensive report on the “Global Coronary Stent Market”. To know more about this report or for any customized research requirement, please contact the following:

Vikas Gupta
BD Manager

Koncept Analytics
CS-36, Second Floor, Ansal Plaza
Vaishali, Ghaziabad,
U.P. – 201010
T. +91-120-4130959
C: +91-9811715635
vikas@konceptanalytics.com

www.konceptanalytics.com