



# China Interventional Cardiovascular Device Industry Report, 2010

Jan. 2011

## ***This report***

- ◆ analyzes the social, economic and policy environments, the overall operation, market competition and development trends of Chinese interventional cardiovascular device industry
- ◆ Focuses on market segments as coronary stents, balloon catheters, catheters, guidewires, assistive devices and others in China
- ◆ Highlights operation and development of 12 major interventional cardiovascular device manufacturers including J & J Cordis, Medtronic, Boston Scientific, Abbott Guidant, B. Braun, MicroPort, Lepu, JW, Yinyi, OrbusNeich, Fisuntech, SCW Medical.

Please visit our website to order this report and find more information about other titles at [www.researchinchina.com](http://www.researchinchina.com)

## **Related Products**

China Insulin Industry Report, 2010

China Medical Imaging Device Industry Report, 2010

China Medical Monitor Industry Report, 2010

China Hospital Industry Development and Investment Report, 2009-2010

China Heparin Industry Report, 2010

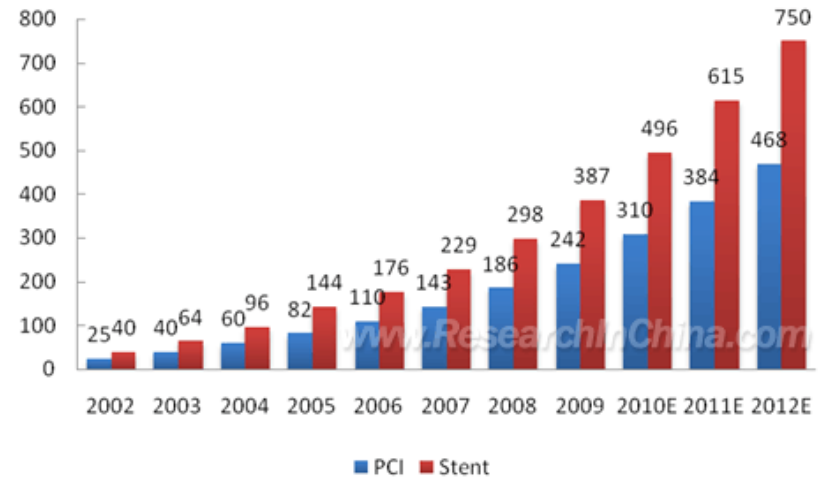
China Hemodialysis Industry Report, 2009-2010

## Abstract

In recent years, the prevalence rate of cardiovascular disease has increased year by year. According to the data issued by Ministry of Health of the People's Republic of China, there were 20 million patients with coronary artery disease in China 2008, and the number rises at the annual growth of more than 1 million. The growth spurt of the patients suffering from heart disease has stimulated the fast growing demand for interventional cardiology operations and coronary stents.

In China, the number of PCI operation cases rose from 25,000 in 2002 to 242,000 in 2009; the coronary stent implantation amount increased from 40,000 sets in 2002 to 387,000 in 2009. In 2009, Chinese market size of interventional cardiovascular device (by terminal sales revenue of hospitals) reached RMB8.16 billion, up 30% from a year earlier.

**PCI Operation Cases and Coronary Stent Implantation Amount in China, 2002-2012 (Unit: 1,000 cases)**

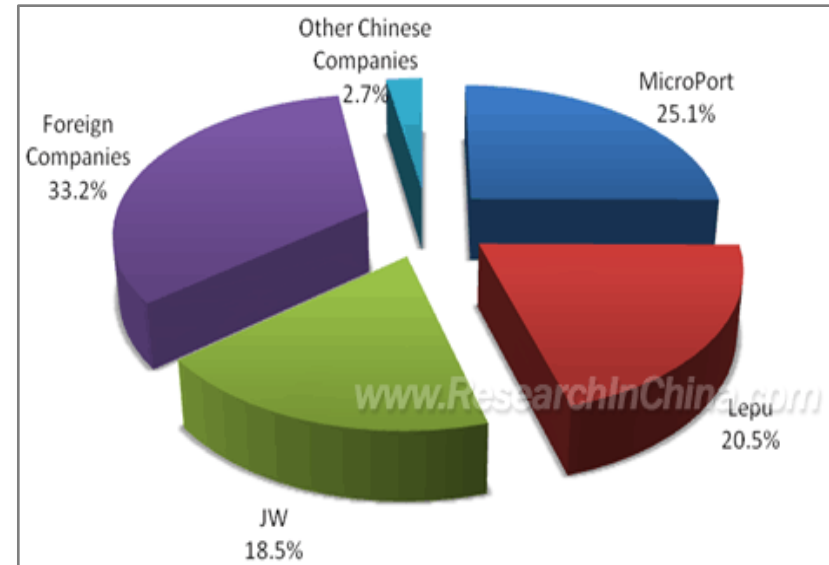


Source: China Association for Medical Devices Industry, ResearchInChina

Interventional cardiovascular device includes coronary stent and surgical support equipment. In 2009, Chinese coronary stent market valued RMB5.71 billion; and the market size of surgical support equipment (including balloon catheter, catheter, and guide wire) hit RMB2.46 billion. The ratio of the two markets was about 7:3.

Before 2004, foreign companies dominated Chinese coronary stent market. Because of incessantly exploring core technologies and accumulating experience, Chinese enterprises enjoy the rising market shares yearly and even more than foreign counterparts by virtue of advantages in price and channel. By the amount of implantation, domestic enterprises swept about 77.7% market shares in 2009, while foreign peers took approximately 22.3%; by the terminal sales revenue of hospitals, domestic enterprises held around 66.8% market shares in 2009, while foreign ones occupied 33.2% or so.

## Coronary Stent Market Shares in China (by Sale of Hospitals), 2009



Source: MicroPort, ResearchInChina

In 2009, MicroPort Scientific, Lepu Medical and JW Medical ranked the top three in terms of the market share of coronary stent; by the terminal sales revenue of hospitals, MicroPort Scientific, Lepu Medical and JW Medical took the market share of 25.1%, 20.5% and 18.5% respectively. Remarkably, MicroPort and Lepu are with the diversified product lines of interventional cardiovascular device, and both of them focus on coronary stent and also pay attention to angiography catheter, guidewire, sheath introducer kit, etc, with the objective of ultimately covering the entire field of interventional cardiovascular devices. In addition, MicroPort and Lepu are making more efforts in the R&D of interventional cardiovascular devices. MicroPort is now developing the third-generation drug-eluting stent “Firehawk” , while Lepu is developing a new generation of magnesium alloy biodegradable stents.

However, in surgical supporting device market consisting of balloon catheter, catheter and guidewire, due to technical limitations, only less than 20% of products are made in China. The market is dominated by Cordis, J & J, Medtronic, Boston and other foreign brands. Yet, Chinese enterprises may simulate the development modes of those

foreign companies. MicroPort, Lepu, Fisuntech, TemMed and other companies are enhancing R&D and production of surgical supporting instruments. In the future, the competition in the market of interventional cardiovascular supporting devices will intensify.

The report is based on social, economic and policy environments, the overall operation, market competition and development trends of Chinese interventional cardiovascular device industry. It not only studies such market segments as coronary stents, balloon catheters, catheters, guidewires, assistive devices and others in China, but also analyzes the operation and development of 12 major interventional cardiovascular device manufacturers including J & J Cordis, Medtronic, Boston Scientific, Abbott Guidant, B. Braun, MicroPort, Lepu, JW, Yinyi, OrbusNeich, Fisuntech, SCW Medical.

### 1 Overview of Interventional Cardiovascular Device Industry

- 1.1 Definition
- 1.2 Product Category and Application
- 1.3 Industry Chain

### 2 Development of Interventional Cardiovascular Device Industry in China

- 2.1 International Environment
- 2.2 Industry Overview
- 2.3 Supply and Demand
- 2.4 Market Scale and Gross Profit
- 2.5 Competition Pattern
- 2.6 Related Policies
  - 2.6.1 Laws and Regulations
  - 2.6.2 Development Policies
  - 2.6.3 Sales Policies
- 2.7 Import
- 2.8 Development Trends
  - 2.8.1 Health Care Reform Improves People's Spending Power
  - 2.8.2 Diversification of Product Lines

### 3 Interventional Cardiovascular Market Segments

- 3.1 Coronary Stent
  - 3.1.1 Market Overview
  - 3.1.2 Drug-eluting Stent
  - 3.1.3 Bare Metal Stent
  - 3.1.4 Bioabsorbable Stent

- 3.2 Balloon Catheter
  - 3.2.1 Market Overview
  - 3.2.2 Supply & Demand
- 3.3 Catheter
  - 3.3.1 Market Overview
  - 3.3.2 Sale
- 3.4 Guidewire
  - 3.4.1 Market Overview
  - 3.4.2 Sale
- 3.5 Sheath Introducer Kit and Auxiliary Device
  - 3.5.1 Market Overview
  - 3.5.2 Sale

### 4 Foreign Production Enterprises

- 4.1 Cordis, J&J
  - 4.1.1 Profile
  - 4.1.2 Operation
  - 4.1.3 Operation in China
- 4.2 Medtronic
  - 4.2.1 Profile
  - 4.2.2 Operation
  - 4.2.3 Operation in China
- 4.3 Boston Scientific
  - 4.3.1 Profile
  - 4.3.2 Operation
  - 4.3.3 Operation in China
- 4.4 Guidant , Abbott
  - 4.4.1 Profile
  - 4.4.2 Operation

- 4.4.3 Operation in China
- 4.5 B.Braun
  - 4.5.1 Profile
  - 4.5.2 Operation
  - 4.5.3 Operation in China

### 5 Chinese Production Enterprises

- 5.1 MicroPort Scientific
  - 5.1.1 Profile
  - 5.1.2 Operation
  - 5.1.3 Development
- 5.2 Lepu Medical
  - 5.2.1 Profile
  - 5.2.2 Operation
  - 5.1.3 Development
- 5.3 JW Medical
  - 5.3.1 Profile
  - 5.3.2 Operation
  - 5.3.3 Development
- 5.4 Yinyi
  - 5.4.1 Profile
  - 5.4.2 Operation
  - 5.4.3 Features
- 5.5 OrbusNeich
  - 5.5.1 Profile
  - 5.5.2 Operation
  - 5.5.3 Features
- 5.6 Sinomed
  - 5.6.1 Profile
  - 5.6.2 Operation
  - 5.6.3 Development
- 5.7 SCW Medical
  - 5.7.1 Profile
  - 5.7.2 Operation
  - 5.7.3 Development

- Types and Functions of Interventional Cardiovascular Devices
- Types and Characteristics of Cardiovascular Stents
- China Interventional Cardiovascular Device Industry Chain
- Global Market Scale of Interventional Cardiology Devices, 2005-2012
- Coronary Stent Sales Volume of Major Brands in the World, 2009
- Scale and Growth Rate of Chinese Medical Device Market, 2002-2009
- Total Number and Growth Rate of Hospitals in China, 2005-2010
- Main Interventional Cardiovascular Device Companies in China
- Number of People Aged 65 or above and Proportion in Some Countries, 2010
- Prevalence of Heart Disease and Hypertension in China, 1993-2008
- Number of PCI Operation Cases in China, 2002-2012
- Coronary Stent Implantation Number in China, 2002-2012
- Interventional Cardiovascular Device Market Size in China, 2009
- Gross Margins of Major Interventional Cardiovascular Device Manufacturers in China, 2007-2009
- Coronary Stent Market Shares in China (by Implantation Volume and Sales of Hospitals), 2009
- Major Laws and Regulations concerning Medical Device Industry in China
- Policies Related to Interventional Cardiovascular Device Industry
- Sales Channels of Interventional Cardiovascular Devices in China
- Average Price Comparison between Coronary Stents Procured by Ministry of Health of the P.R.C and the Imported Ones, 2008-2010
- Import of Major Interventional Medical Devices and Materials in China, 2008
- Charges of Interventional Operations paid by Health Insurance in Beijing, Shanghai and Guangzhou, 2010
- Urban Health Insurance Participants and Growth Rate in China, 2000-2009
- Equipment Product Line Layout of MicroPort, Lepu and JW Medical
- Coronary Stent Market Scale in China, 2007-2015
- Coronary Stent Market Shares in China (by Volume of Implanted Stents), 2009

- Coronary Stent Market Shares in China (by Sale of Hospitals), 2009
- Drug-eluting Stents in China, 2010
- Some Bare Metal Stents in China, 2010
- Demand for Coronary Artery Balloon Catheters in China, 2002-2009
- Average Purchase Price of Balloon Catheters in China, 2010
- Some Rapid Exchange Expansion Balloon Catheters in China, 2010
- Average Purchase Price of Catheters in China, 2010
- Guide Catheters in China, 2010
- Average Purchase Price of Guidewires in China, 2010
- Some Guidewires in China, 2010
- Average Purchase Price of Sheath Introducer Kit and Auxiliary Equipment in China, 2010
- Medical Device Revenue, Cordis Revenue and Proportion of Johnson & Johnson, 2007-2010
- Cardiovascular Product Revenue, Coronary Stent Revenue and Proportion of Medtronic, FY2007-FY2011
- Main Operating Indicators of Medtronic (Shanghai), 2007-2008
- Total Revenue, Coronary Stent Revenue and Proportion of Boston Scientific, 2008-2010
- Revenue and Growth Rate of of Abbott's Vascular Device Sector, 2008-2010
- Revenue and Growth Rate of of B. Braun Aesculap, 2006-2009
- Main Operating Indicators of B.Braun (Suzhou), 2008
- Operating Income, Gross Margin and Revenue Growth Rate of MicroPort Scientific, 2007-2010
- Revenue (by Product) of MicroPort Scientific, 2007-2010
- Revenue (by Region) of MicroPort Scientific, 2007-2010
- R&D Expenditure and Its proportion in Sales Revenue of MicroPort Scientific, 2007-2010
- R &D of New Products of MicroPort Scientific, by Sep 2010
- Capacity, Actual Output and Utilization of Stents and Catheters of MicroPort Scientific, 2007-2010
- Operating Income, Gross Margin and Revenue Growth Rate of Lepu Medical, 2007-2010



- Sales Gross Margin (by Product) of Lepu Medical, 2007-2010
- Revenue (by Product) of Lepu Medical, 2008-2010
- Revenue (by Region) of Lepu Medical, 2010
- R &D Expenditure and Its proportion in Sales Revenue of Lepu Medical, 2007-2009
- R&D Layout of Lepu Medical
- Operating Income and Gross Margin of JW Medical, 2007-2008
- Main Operating Indicators of Liaoning Biomedical Materials, 2008
- Operating Income, Gross Margin and Revenue Growth Rate of OrbusNeich, 2005-2008
- Export Value of OrbusNeich, 2005-2008
- Main Operating Indicators of Sinomed, 2008
- Operating Income, Gross Margin and Revenue Growth Rate of SCW Medical, 2005-2008
- Export Value of SCW Medical, 2005-2008

**You can place your order in the following alternative ways:**

1. Order online at [www.researchinchina.com](http://www.researchinchina.com)
2. Fax order sheet to us at fax number: +86 10 82601570
3. Email your order to: [report@researchinchina.com](mailto:report@researchinchina.com)
4. Phone us at +86 10 82600828/ 82600893

<b>Party A:</b>			
Name:			
Address:			
Contact Person:		Tel	
E-mail:		Fax	

<b>Party B:</b>			
Name:	Beijing Waterwood Technologies Co., Ltd (ResearchInChina)		
Address:	Room 1008, A2, Tower A, Changyuan Tiandi Building, No. 18, Suzhou Street, Haidian District, Beijing, China 100080		
Contact Person:	Liao Yan	Phone:	86-10-82600828
E-mail:	report@researchinchina.com	Fax:	86-10-82601570
Bank details:	Beneficial Name: Beijing Waterwood Technologies Co., Ltd Bank Name: Bank of Communications, Beijing Branch Bank Address: NO.1 jinxiyuan shijicheng, Landianchang, Haidian District, Beijing Bank Account No #: 110060668012015061217 Routing No #: 332906 Bank SWIFT Code: COMMCNSHBJG		

Title	Format	Cost
<i>Total</i>		

**Choose type of format**

- Hard copy ..... 1800 USD
- PDF (Single user license) ..... 1700 USD
- PDF (Enterprisewide license)..... 2300 USD

**※ Reports will be dispatched immediately once full payment has been received.**  
**Payment may be made by wire transfer or credit card via Paypal.**