

Pectus bar system Market, Size, Share, Evaluation, 2021-2028 | DataM Intelligence

The Pectus bar system Market is estimated to reach at a high CAGR during the forecast period (2021-2028).



Ansonia, Connecticut Nov 3, 2021 ([Issuewire.com](https://www.issuewire.com)) - Market Overview

The Pectus Support Bar helps the surgeon for treating the pectus excavatum, funnel chest, a congenital deformity that is often accompanied by breath shortness in children. The device is not intended to

replace chest wall structures.

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Market Dynamics

The efficiency of the Nuss procedure will drive the market, and the increasing research and development activities to develop a highly compatible pectus bar will drive the market in the forecast period.

The efficiency of the Nuss procedure will drive the pectus bar system market

The Nuss procedure is the preferred operation for surgical correction of pectus excavatum (PE). It is a minimally invasive technique whereby one to three curved metal bars are inserted behind the sternum to push into a normal position. These bars are left in situ for three years and then removed. Due to the popularity of the Nuss procedure and the accumulation of surgical experience, especially in adult patients, the increased use of more than one bar for correction of the sunken chest wall has also been reported recently. In Nuss surgery, the number of bars used is determined primarily by the gross appearance of the deformity. But in the case of women (because of the breasts) and obese patients, the deformation of the bone cage is not completely even with the external deformity of the chest wall.

According to published data evaluating the success rate of the Nuss procedure indicates that recurrence is reported in less than 2% of cases. In the Nuss Procedure, there is a significant benefit of the high probability of successful deformity correction and a low chance of recurrence.

Side effects related to the pectus bar system will hamper the market

Severe pectus excavatum can compress the heart and lungs or even may push the heart over to one side. Pectus excavatum can result in self-image problems in some mild cases. If the depth of the breastbone indentation is severe it will reduce the amount of room for the lungs to expand. This compression squeezes the heart, pushing it into the left side of the chest and reducing its ability to pump efficiently.

This causes symptoms such as exercise intolerance, shortness of breath, rapid heart rate, and chest pain. Many people who have pectus excavatum tend to have a hunched-forward posture, shoulder blades, and flared ribs. Due to self-consciousness about their appearance, many people avoid activities, such as swimming, that make the indentation in their chests more difficult to camouflage behind clothing.

After Nuss repair pectus bar removal is associated with major complications that are not reported. One of the main concerns is surgical bleeding. Old age and placement of more than one bar are reported risk factors for pectus bar removal. This study presented our experience regarding the modified skills required to minimize complications during bar removal, especially in adult patients.

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Market Segmentation

Pectus bar system Market - By Product type

- Implant
- Instruments
- Others

Pectus bar system Market - By Material type

- Stainless Steel
- Titanium
- Nickel

Pectus bar system Market - By End-User

- Hospital
- Ambulatory Surgical Centers
- Specialty Clinics

Pectus bar system Market - By Region

- North America
- Europe
- South America
- Asia Pacific
- The Middle East and Africa

Competitive Landscape

Major key players in the pectus bar system market are Reid Healthcare, IDEAR S.R.L., Inc., Biotech GmbH., Zimmer Biomet, Ventura Medical Technologies, MedXpert GmbH, Surgical Specialties Corporation, Shanghai Sun-Shore Medical Instruments Co., Ltd., Qingdao Sinoland Medical Technology Co., Ltd. and Anhui Intrag Medical Techs Co., Ltd.

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