

PECTUS LAB

Pectuslab Medical Devices
Specialized in Dynamic Braces

Pectuslab

Pectus Deformity Solutions
Product Catalog

www.Pectuslab.com

Fast and Effective Treatment

Gvacuum Dynamic Pump

Advanced Vacuum Bell Therapy Solution

Gvacuum
DYNAMIC





Everything About Pectus Health

Pectuslab - Pectus Deformity Solutions

Pectuslab is dedicated to pioneering treatment products for pectus deformities through research, innovative development, and high-quality production standards.

We strive to deliver accessible, high-quality, and reliable pectus treatment solutions, fully meeting patient and health professionals needs and ensuring accessibility throughout the treatment journey. We diligently adhere to treatment protocols while continuously expanding our product range and service network.

Our Vision

Pectuslab envisions being the leader provider of pectus health products and services, with a primary focus on perfecting non-surgical treatment solutions for pectus deformities.

Our Mission

Our mission is to improve the quality of life of patients and to optimize pectus treatment products by following the latest scientific researches and clinical innovations.

Our Commitment to Innovation & Quality

Quality Standards

We adhere to CE and ISO 13485 certifications and use biocompatible materials to ensure safety and consistency. Our manufacturing process meets the highest global standards, supported by skilled professionals and top-grade components.

R&D Process

From design to testing, our R&D team develops innovative solutions based on clinical insights and patient needs. We prioritize comfort, usability, and performance at every step of the development journey.

Staying Current

We actively participate in congresses and collaborate with specialists to stay at the forefront of pectus.ment. Our approach evolves with science, ensuring our products reflect the latest advancements.





Clinical Collaboration & Expert Team

Collaboration with Pektus Klinik

At Pectuslab, our product development is guided by global clinical experience and local expertise. We proudly collaborate with Prof. Dr. Mustafa Yüksel, founder of Pektus Klinik, Türkiye's leading center for chest wall deformities. With over 30 years of surgical and nonsurgical treatment experience, Dr. Yüksel plays a key role in shaping our solutions through clinical insight and patient-centric design.



At the Heart of Pectuslab is a Team United by Purpose

improving the lives of patients with pectus deformities through science, care, and innovation.



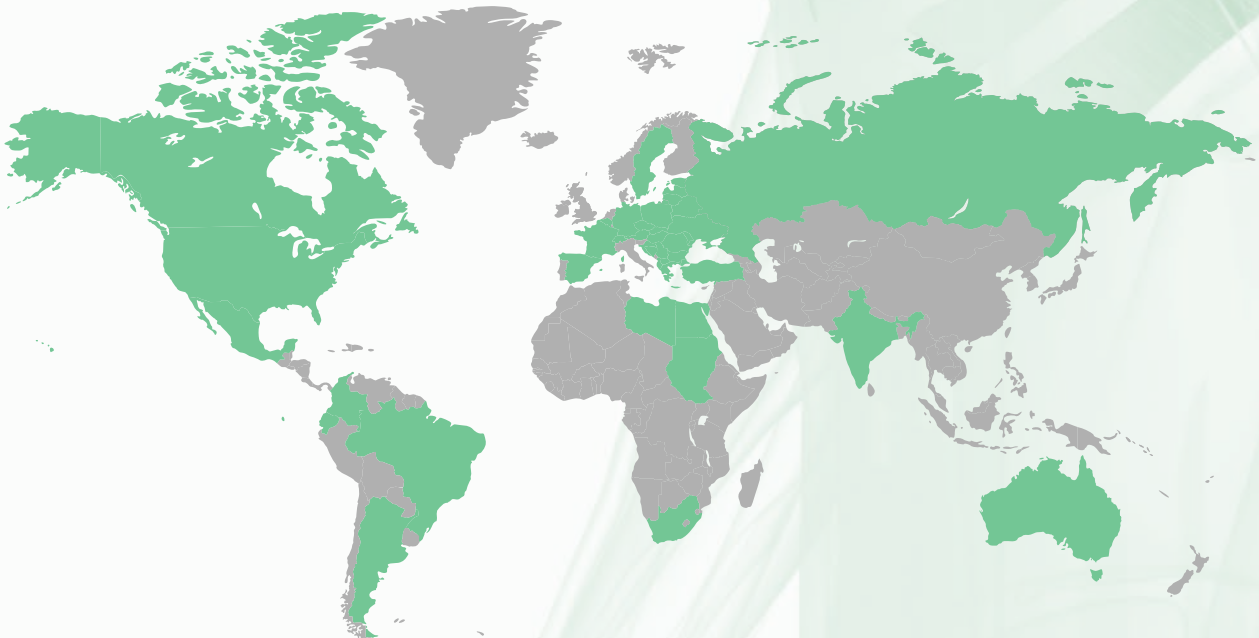


Where Research Meets Global Reach

Our R&D team transforms real clinical needs into solutions. From prototyping to production, we develop each device with precision, ensuring usability, safety, and performance. Every product we deliver reflects our deep commitment to patient-centered innovation.



Today, these innovations are making an impact in over 45 countries across **4 continents-trusted** by physicians, clinics, and partners worldwide.





Non-Surgical Solutions

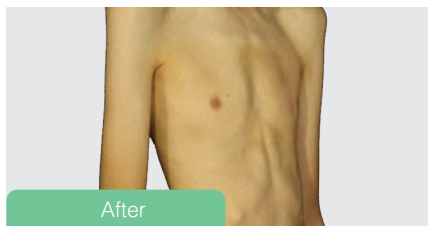
Gpad Pectus Carinatum Brace



12 Years Old 9 Month Results



Before



After

Pectus carinatum, also known as pigeon chest, is a chest wall deformity characterized by a protrusion of the sternum and ribs outward, causing the chest to have a prominent, bulging appearance.

Indication

Pectus Carinatum, Asymmetric Pectus Carinatum, Pectus Arcuatum

Benefits

Pectus Carinatum brace, is a medical device designed to treat pectus carinatum deformity by applying pressure to the protruding area of the chest. The brace fits the individual's chest shape and size and is worn over the chest for a certain duration each day treating the bulging appearance.

Key Features and Benefits

Customizable Design: The brace comes in 12 different sizes that accommodate a wide range of body sizes.

Asymmetric Configuration: The brace can be easily adjusted to fit patients with asymmetric pectus carinatum, accommodating cases where one side of the chest is more prominently affected than the other.

Precise Deformity Targeting: The brace features a moving and adjustable structure, allowing to easily adjust the placement of the pressure pad precisely to the desired area.

Easy Measurement System: Gpad measuring system has been meticulously developed by experts and medical professionals. With a simple measurement system the brace can easily be tailored to the most suitable form for the patient's rib cage, ensuring a precise fit.

Adjustable Size: Can be easily tightened or expanded by the side belts via the fastening buckles on both sides. Side belt length options are available for different body types.

Soft Pressure Pads: Unique to Gpad Brace are pressure pads engineered for gentle contact with the rib cage, enhancing comfort during treatment. Optional padding for sensitive skin is also available.

Durability and Comfort: Gpad Brace boasts a durable structure, enabling sturdy yet comfortable wear throughout the treatment period.

Skin Friendly Materials: Gpad Brace is crafted from non-toxic, non-allergenic materials, such as Polyform EVA for skin protection and hygiene.

Lightweight Design: Crafted from 100% lightweight compositions, the small size orthosis weighs a mere 296 grams, making it ideal for children and individuals seeking comfortable wear.

Size Options

3mm Bar

12 Size Options

4mm Bar

7 Size Options

Side Belt

5 Side Belt Size Options

Pad Options

Front Pads 4 Sizes

Small, Medium, Large, XLarge

Female Pads

Small, Large

Back Pads 2 Sizes

Small, Medium

Optional & Accessories

Corrugated Pads for High Pressure

Case Cover Color Options:

Black, Tan, Ruby



Non-Surgical Solutions

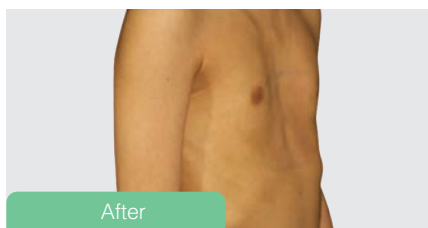
Gpad SmartFit Adjustable Brace



14 Years Old 2 Month Results



Before



After

Designed for patients with Pectus Carinatum the Gpad SmartFit Adjustable Brace is engineered for clinics aiming to offer on-the-spot fitting with a single brace system that fits many.

Indication

Pectus Carinatum, Asymmetric Pectus Carinatum, Pectus Arcuatum

Benefits

Gpad SmartFit offers healthcare professionals quick and hassle-free application. Its adjustable design simplifies inventory management and fits a wide range of patients with a single product. By accelerating the treatment process, it enhances clinical efficiency and improves patient satisfaction, making it a smart choice for practices.

Key Features and Benefits

Customizable Design: A single unit can be used across different carinatum types and chest measures reducing prep time and enhancing treatment flow.

Asymmetric Configuration: Designed to instantly fit patients on the spot without the need for multiple visits

Precise Deformity Targeting: Smartfit can be quickly and easily modified to match the patients measurements, allowing immediate application without delays.

Easy Measurement System: Ideal for clinics seeking inventory optimization without compromising patient care.

Adjustable Size: With one adjustable brace replacing multiple size variants, there's no need for repeated shipments-cutting down on logistics expenses and delivery times.

Soft Pressure Pads: Unique to Gpad Brace are pressure pads engineered for gentle contact with the rib cage, enhancing comfort during treatment. Optional padding for sensitive skin is also available.

Durability and Comfort: Gpad Brace boasts a durable structure, enabling sturdy yet comfortable wear throughout the treatment period.

Skin Friendly Materials: Gpad Brace is crafted from non-toxic, non-allergenic materials, such as Polyform EVA for skin protection and hygiene.

Lightweight Design: Engineered to be significantly lighter than conventional braces, the Gpad SmartFit offers enhanced comfort and wearability—ideal for children and individuals who prioritize freedom of movement and long-term use.

Size Options

5 sizes in one

Side Belt

5 Side Belt Size Options

Pad Options

Front Pads 4 Sizes

Small, Medium, Large

Female Pads

Small, Large

Back Pads 2 Sizes

Small, Medium

Optional & Accessories

Corrugated Pads for High Pressure

Case Cover Color Options:

Black, Tan, Ruby



Non-Surgical Solutions

Gpad Rib Flare Brace



Rib flare, characterized by protruding ribs on both sides of the sternum and the lower thoracic area. It can be visually distressing, particularly for women. While this wing-shaped protrusion doesn't harm internal organs, it can lead to acute discomfort for children during activities like swimming or lying face down, causing significant distress.

Indication

Rib Flare

Benefits

It effectively addresses flared ribs by applying pressure to guide them back to their natural position, thereby eliminating the deformity. This method is suitable for patients of all ages and body sizes.

Key Features and Benefits

Custom Sizing: Developed by a team of experts and medical professionals, the Gpad Rib Flare Brace measuring system guarantees a tailored fit for each patient's unique deformity, ensuring precise customization.

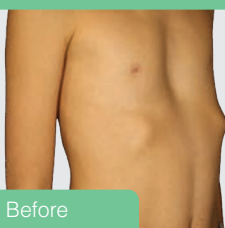
Dual Deformity Targeting: With its adaptable design and dual pad placement, the brace enables targeting of rib flare.

Comfort-Enhancing Pressure Pads: Designed for gentle interaction with the rib cage, the pressure pads of the Gpad brace maximize comfort during treatment.

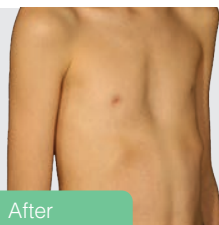
Skin-Friendly Materials: Crafted from non-toxic and hypoallergenic materials such as Polyform EVA, the Gpad Rib Flare Brace prioritizes skin safety and protection.

Maintenance and Hygiene: The removable, washable, and reusable case covers of the Gpad facilitate easy upkeep, ensuring optimal hygiene and comfort.

14 Years Old 3 Month Results



Before



After

Size Options

3mm Bar

12 Size Options

4mm Bar

7 Size Options

Side Belt

5 Side Belt Size Options

Pad Options

Front Pads 4 Sizes

Small, Medium, Large, XLarge

Back Pads 2 Sizes

Small, Medium

Optional & Accessories

Corrugated Pads for High Pressure

Case Cover Color Options:

Black, Tan, Ruby



Non-Surgical Solutions

Gvacuum Pectus Excavatum Vacuum Bell



Pectus Excavatum is the most common type of chest wall deformity or malformation. It is characterized by sinking of the chest wall inwards.

Indication

Pectus Excavatum

Benefits

Wide size options accommodate a broad range of ages and types of excavatum, enabling treatment across diverse demographics and conditions.

Key Features and Benefits

Enhanced Mobility: The connection valve on the pump allows the pump to be detached from the vacuum without pressure loss. This gives the patient increased mobility during treatment session.

Advanced Airlock System: Gvacuum utilizes an enhanced airlock system that is engineered for long-term resilience. It ensures durability and consistent performance during extended usage.

Reinforced Vacuum Hose: Gvacuum bell features a reinforced vacuum hose that significantly enhances the applied pressure, ensuring a more effective treatment experience.

High-Performance Vacuum Pump: The vacuum pump included with Gvacuum is notably thicker and more robust than standard pumps. This design delivers superior pressure, further optimizing the therapeutic effects.

Skin-Friendly Silicone: The product is made from high-quality medical silicone that is gentle on the skin, ensuring allergy safe use.

11 Years Old 6 Month Results



Before



After

Sizes&Types

80 mm, 110 mm, 125 mm,
140 mm, 160 mm, 190 mm

Female Type Vacuum

Color Options

Black

Modification Options

Gvacuum Dynamic Pump

Optional Accessories

Measurement Stick
Measurement Chart
Skin Protection Film



Gvacuum Dynamic Vacuum Bell Pump

Non-Surgical Solutions



14 years old 0.4 cm improvement
from 1.2 cm to 0.8 cm in 35 days

The first smart vacuum bell system designed for pectus excavatum treatment. With electronic pressure control, personalized treatment sessions and fast results, Gvacuum Dynamic redefines non-surgical correction with power, precision, and comfort.

Indication

Pectus Excavatum

Benefits

Gvacuum Dynamic enables fast, effective treatment for all pectus excavatum types, extending the age range of patients who can benefit from vacuum bell treatment.

Key Features and Benefits

Enhanced Mobility: Delivers consistent and powerful negative pressure for quicker results, reducing treatment duration significantly.

Advanced Airlock System: Provides higher and more stable suction, making it especially effective for patients with severe pectus excavatum.

Reinforced Vacuum Hose: Ideal for all pectus excavatum patients, from children to adults—broadening the age range for non-surgical treatment.

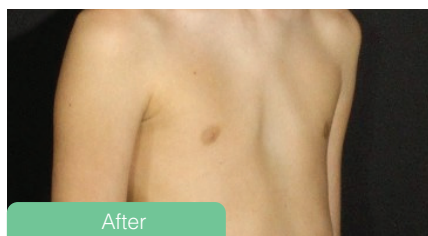
High-Performance Vacuum Pump: Allows tailored treatment programs specific to each patient's anatomy and severity level.

Skin-Friendly Silicone: The product is made from high-quality medical silicone that is gentle on the skin, ensuring allergy safe use.

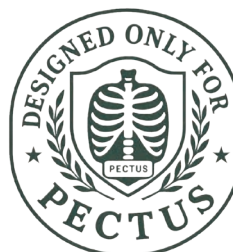
Optional Pressure Gauge: Smart pressure control minimizes skin stress, making long sessions more tolerable and skin-friendly.

Optional Electronic Pump: Gvacuum Dynamic is rechargeable and built for efficiency — one full charge supports extended use, enabling multiple sessions without needing frequent recharging.

Before



After



Sizes&Types

80 mm, 110 mm, 125 mm,
140 mm, 160 mm, 190 mm

Female Type Vacuum

Color Options

Black

Optional Accessories

Type C charging cable



Non-Surgical Solutions

Rib Flare Bandage



The Rib Flare Bandage is designed to encircle the torso, exerting pressure specifically on the protruding ribs. Incorporated pressure pads ensure a comfortable experience while using the bandage. Consistent daily application can lead to successful treatment within a timeframe ranging from 3 to 6 months.

Indication
Rib Flare



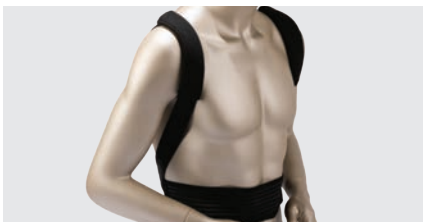
Size Options

Standard

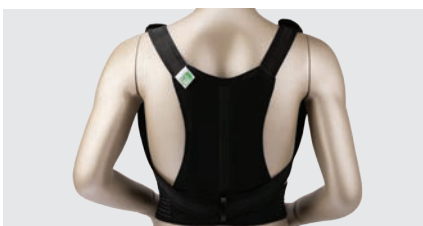
Color Options

Tan, Black

Upright Posture Corset with Rib Flare Bandage



Pectuslab Upright Posture Corset features a thoughtfully designed, ergonomic structure that gently encourages the body into a natural and upright posture. It provides support for the spine and shoulders without restricting movement. With the adjustable straps and closures, the corset offers a customizable fit for users of all shapes and sizes.



Size Options

Male, Female

Color Options

Tan, Black



Non-Surgical Solutions

Gpress Pressure Measurement Tools



Introducing Gpress, meticulously crafted for professional applications.

Unlocking precision in treating Pectus Carinatum patients, Gpress measures the optimal pressure essential for rib cage treatment.

Tailored for professionals, Gpress empowers informed decisions in addressing Pectus Carinatum deformity. Its specified PSI level provides valuable insights into the precise pressure needed for effective treatment.

Indication

Pectus Carinatum

Gpress



Experience precise pressure measurement with the GPress device. Designed for ease of use and portability, this handheld tool allows for accurate measurement of pressure levels required for correcting chest wall deformities. For Professionals seeking precise diagnostic capabilities and would like to monitor the patients progress, the GPress Handheld provides reliable pressure measurement in the palm of your hand.



Plates for Pectus Excavatum & Carinatum



Pectus Plate

Size Options: 178 mm 254 mm 330 mm 406 mm
203 mm 279 mm 356 mm 432 mm
229 mm 305 mm 381 mm

Material Options: Stainless Steel, Titanium



Excavatum Stabilizer

Material Options: Stainless Steel, Titanium



Carinatum Stabilizer

Material Options: Stainless Steel, Titanium



Carinatum Pin

Material Options: Stainless Steel, Titanium

Recommended Instruments



Introducer

Size Options: Small, Medium, Large



Screw Driver



Carinatum Driver

Size Options: Standard



Pectus Plate Rotator

Material Options: Stainless Steel, Titanium



Hook

Size Options: Standard



Bender



Hand Bender



Test Plate

Size Options: 178 mm 254 mm 330 mm 406 mm
203 mm 279 mm 356 mm 432 mm
229 mm 305 mm 381 mm

Material Options: Aluminum

PECTUS LAB

Pectuslab Medical Devices
Specialized in Dynamic Braces

Pectuslab Medical Devices

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