

PECTUS LAB

Pectuslab Medical Devices
Everything About Pectus Health

Pectuslab
Pectus Deformity Solutions

www.Pectuslab.com





Everything About **Pectus Health**



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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.

We Strive **For Quality**

High Quality Production Standards

Pectuslab products contribute to promoting healthy lifestyles among patients worldwide. At Pectuslab, we prioritize maintaining the utmost quality and adhering to rigorous standards throughout our manufacturing process. We are dedicated to utilizing top-grade materials and employing a proficient and experienced workforce.

Quality Assurance

Pectuslab produces its goods in accordance with internationally recognized standards and possesses CE and ISO 13485 certifications for quality standardization. Additionally, we hold all necessary biocompatibility certificates. Ensuring that every product we produce meets rigorous quality criteria is of paramount importance to us.





We Stay Current With Latest Developments

Research & Development

The R&D team manages the process from design, prototyping, testing and production of innovative products, taking into account the patient-product relationship.

Each of our products undergo quality control procedures. At Pectuslab, our ongoing goal is to grow our production capacity and broaden our range of products, all with the aim of better serving the evolving needs of our patients.

Collaboration with Prof. Dr. Mustafa Yüksel of Pektus Klinik

Pektus Klinik is Türkiye's only clinic that is specialized in chest wall deformities. The clinic was founded by Prof. Dr. Mustafa Yüksel, a veteran Thoracic and Cardiovascular surgeon with three decades of experience in pectus deformities.

Dr. Yüksel advocates for early intervention in correcting pectus deformities using brace and vacuum treatment, thus minimizing the necessity for surgical procedures. He provides invaluable guidance as an honorary advisor in the development of Pectuslab products.





Improving Patient Product Relationship Is Our Priority

We carry out studies together with 'Pektus Klinik' and follow new studies in the thoracic health community. We consider the patient-product relationship in all our research and carry out innovative product development processes in line with the data we receive.



We Keep Pace With Developments

Staying current with the latest developments in chest wall deformity studies and solutions is a priority for us. We actively engage in congresses, seminars, and conferences to ensure our knowledge remains up-to-date.

These events provide valuable opportunities to stay abreast of sector innovations, connect with fellow researchers and physicians, and gather feedback on our products.





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

3 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 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

3 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.

Optional Pressure Gauge: Optional pressure gauge for patients who want the ease of mind when applying the treatment. The pressure gauge allows you to visually monitor the pressure level applied each time.

Optional Electronic Pump: Optional electronic pump for patients who want extra comfort when applying the vacuum and would like to monitor pressure levels.



11 Years Old 6 Month Results



Sizes

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

Color Options

White, Black

Modification Options

Electronic Pump
Pressure Gauge

Optional Accessories

Measurement Stick
Measurement Chart
Skin Protection Film



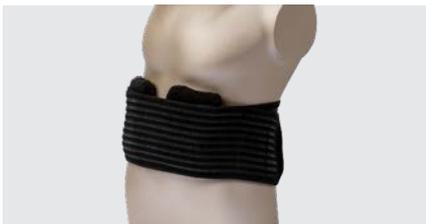
Non-Surgical Solutions

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.

Gpress2



Introducing the Gpress2. Seamlessly integrated with the Gpad pectus carinatum brace, this device measures pressure levels directly at the point of application.

With real-time feedback on pressure levels, healthcare providers can ensure optimal treatment outcomes while patients progress can be tracked.



Plates for Pectus Excavatum & Carinatum



Pectus Plate

Size Options: 170 mm 260 mm 330 mm 400 mm
207 mm 288 mm 366 mm 425 mm
234 mm 310 mm 375 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



Excavatum Introducer

Size Options: Small, Medium, Large



Screw Driver



Carinatum Introducer

Size Options: Standard



Pectus Plate Rotator

Material Options: Stainless Steel, Titanium



Hook

Size Options: Standard



Bender



Hand Bender



Test Plate

Size Options: Standard

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