## Sensorised continuous monitoring brace

### DESCRIPTION OF THE TECHNOLOGY

This novel technology consists of a monitoring system for various parameters.
The system can be integrated into various treatment products such as corsets, orthoses, etc. The continuous measurements are processed and transferred to a mobile app so that the information is available to both the patient and the healthcare professional.
This technology will make it possible to know the real use that patients make of the device, accurately assess its effect and obtain objective clinical criteria to improve and standardise their treatment.

### MARKET APPLICATION SECTORS

The application sectors are public or private health care systems. The device takes the form of a monitoring system that can be integrated into various treatment products.

### TECHNICAL ADVANTAGES AND BUSINESS BENEFITS

- Objective, real-time measurement of different parameters.
- Reduction of treatment times.
- Improved diagnosis.
- Cost savings for the health system.

### CURRENT STATE OF DEVELOPMENT

The invention is in TRL 7. A prototype of a monitoring system integrated in a corset for *pectus carinatum* is available.
This technological development, in which the I2MB of the UPV has participated in the design of the load measurement system and the IBV in the record display system, will be validated in patients by the Paediatric Thoracic Surgery Section of the Hospital La Fe.

### INTELLECTUAL PROPERTY RIGHTS

National Patent P202131224 with application date 29 December 2021.

Title: Sensorised dynamic compression orthotic device and method of adjustment thereof.

### COLABORATION SOUGHT

A company is sought to license the patent and subsequent commercialisation, as well as to form a consortium for further development, conduct a clinical trial and obtain the necessary regulatory requirements to bring it to market.

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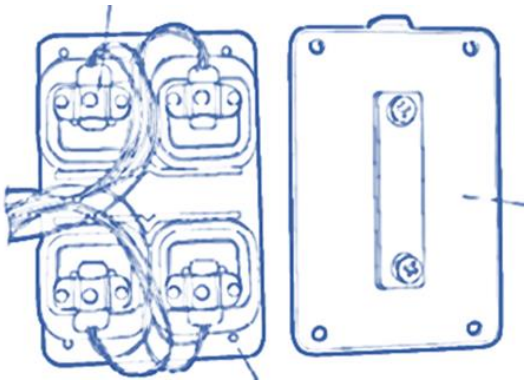
### RELATED IMAGES

*Images 1 and 2 . Prototype monitoring system integrated into a pectus carinatum brace.*

### CONTACT DETAILS

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