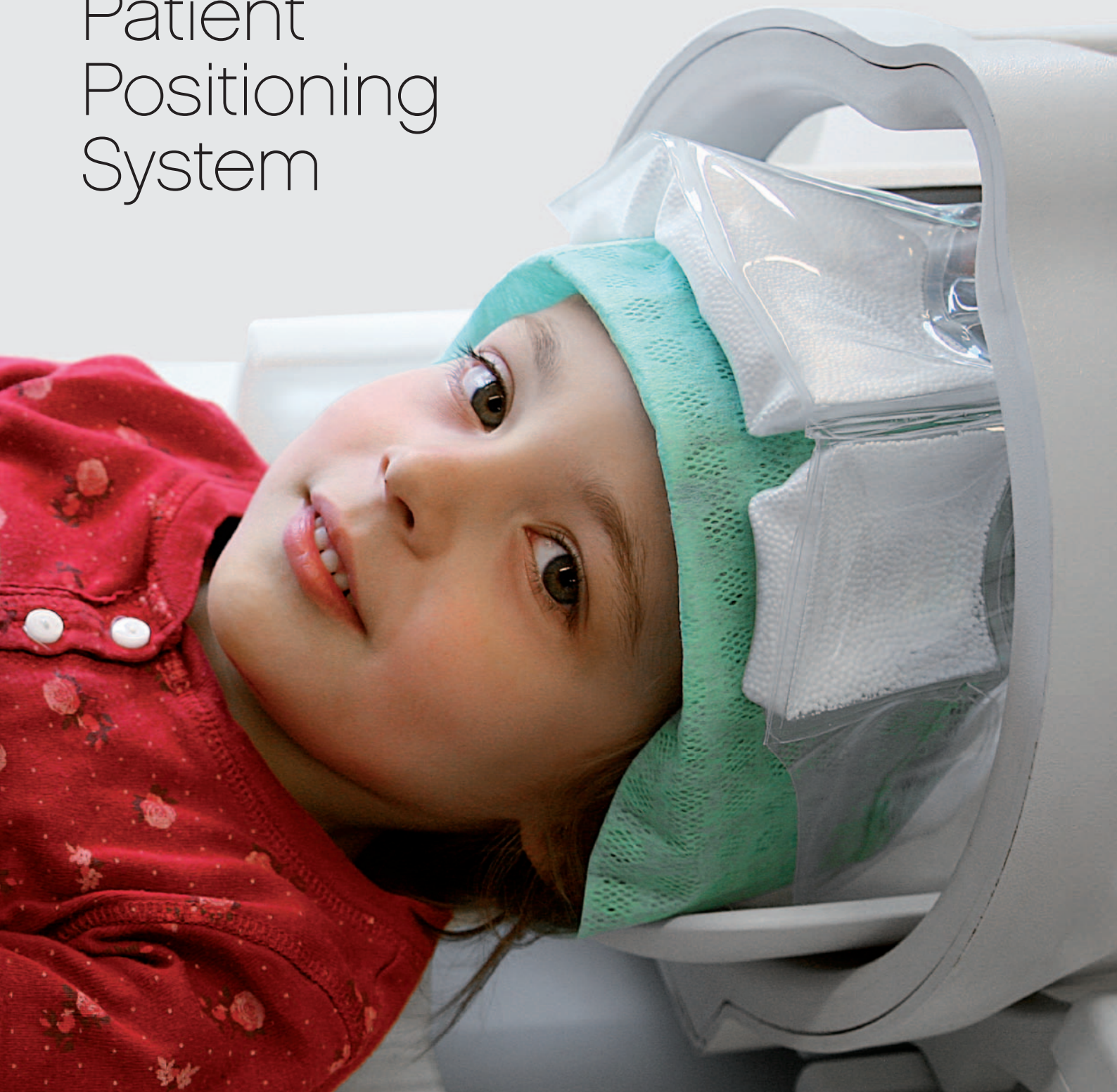




# The Unique Patient Positioning System



# Patented Pearltec Technology

The innovative patented Pearltec technology uses a combination of soft movable polystyrene pearls and inflatable air chambers to provide optimum fixation of the patient during MRI and CT studies in order to reduce motion artifacts. All Pearltec products set new standards in terms of hygiene, patient comfort and ease of use.



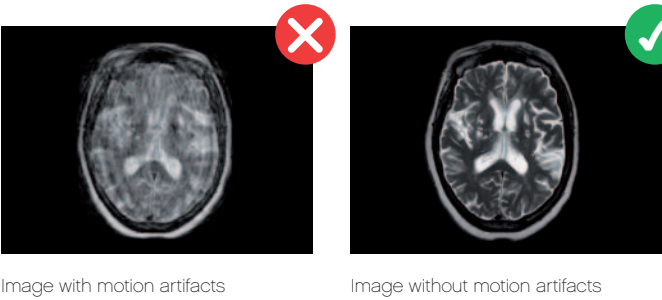
# The benefits

## Fewer repeated exams

The soft movable polystyrene pearls along with flexible air chambers let the Pearltec products adapt to the individual patient. This gives optimum fixation of the patient, minimizes motion artifacts, improves image quality and reduces the number of exam repetitions. This makes the workflow significantly more efficient.

## Improved image quality

Pearltec technology allows highly efficient and individualized fixation of the patient which improves the image quality.



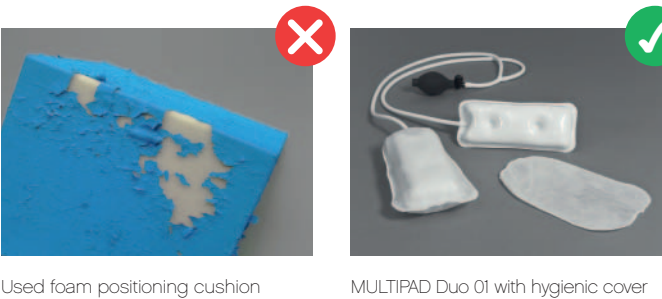
## Easy to use

Thanks to the versatility of the Pearltec products, they can replace a wide variety of conventional placement and positioning aids that are used to hold the patient in place.



## Excellent hygiene

Single-use hygienic covers are available for Pearltec's products to ensure that the very highest hygiene requirements can be met.



## Optimum patient comfort

The soft, single-use hygienic cover, in combination with the adaptability of the Pearltec products to the individual, optimizes patient comfort.





# MULTIPAD – optimum positioning, everywhere

The MULTIPAD range of products from Pearltec are positioning cushions that can be used anywhere because their size can be changed by simply increasing the volume of air with the hand pump. MULTIPADS are used to position the patient individually and comfortably during CT and MR examinations. This results in less patient movement thereby minimizing motion artifacts.

01



**MULTIPAD Duo 01**  
Area: 17 cm x 6 cm  
Variable thickness: 2 - 5 cm

**Duo**  
Item number: 1012

**Single**  
Item number: 1008

02



**MULTIPAD Duo 02**  
Area: 17 cm x 6 cm  
Variable thickness: 2 - 3 cm

**Duo**  
Item number: 1013

**Single**  
Item number: 1010

COVER 01/02

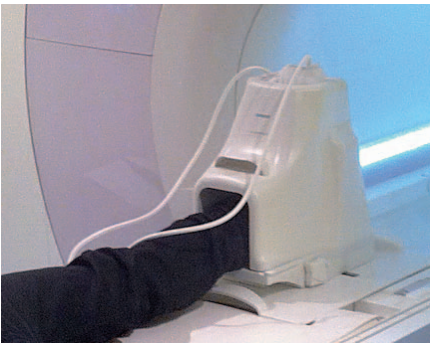


**COVER Multipad 01/02**  
Item number: 1016

Usage  
examples



MULTIPAD Duo 01 / head measurement



MULTIPAD Duo 02 / foot measurement

03



**MULTIPAD Duo 03**  
Area: 17 cm x 11 cm  
Variable thickness: 2 - 5 cm

**Duo**  
Item number: 1022

**Single**  
Item number: 1021

04



**MULTIPAD Duo 04**  
Area: 17 cm x 11 cm  
Variable thickness: 2 - 3 cm

**Duo**  
Item number: 1024

**Single**  
Item number: 1023

COVER 03/04



**COVER Multipad 03/04**  
Item number: 1030

Usage  
examples



MULTIPAD Duo 03 / shoulder measurement



MULTIPAD Duo 04 / hand measurement

# Application-specific products

The CRANIA and GENUS products from Pearltec are available in both child and adult sizes and have been developed for head and knee examinations. The CRANIA was developed for head exams and functional MRI. The GENUS was developed to aid in the orthopedic examinations of the knee.

## CRANIA



**CRANIA Adult 01**  
Item number: 1001

**CRANIA Child 01**  
Item number: 1004

## GENUS



**GENUS Adult 01**  
Item number: 1003

**GENUS Child 01**  
Item number: 1002

## Usage examples



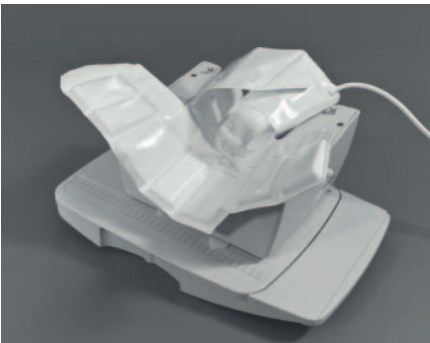
CRANIA Adult 01 / head coil



CRANIA Child 01 / head coil



GENUS Adult 01 / knee coil



GENUS Adult 01 Child / open

# Research / high-resolution CT

The CARPAL, RADIUS and TIBIA products from Pearltec have been developed especially for imaging extremities in high-resolution pQCT systems (XtremCT). The CARPAL, RADIUS and TIBIA product lines are specifically used in research.

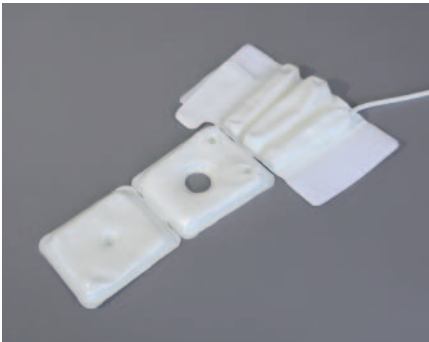
## CARPAL



**CARPAL Medium 01**  
Item number: 1011

**CARPAL Large 01**  
Item number: 1007

## RADIUS



**Radius Adult 01 (L/R)**  
Item number: 1015

**Radius Adult L 01**  
Item number: 1005

**Radius Adult R 01**  
Item number: 1009

## TIBIA



**TIBIA Adult 01**  
Item number: 1006

## Usage examples



RADIUS Adult 01 / forearm imaging



TIBIA Adult 01 / lower leg imaging

**Authorized Distributor:**  
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**Cleveland, Ohio 44122-5917**  
**216-765-8273 • 800-932-8273**

Founded in 2008, Pearltec AG is headquartered in Schlieren/Zurich (Switzerland).

Together with ETH (Federal Institute of Technology) and several renowned Swiss university hospitals, a unique patented technology was developed aimed at solving the problems associated with placement, positioning and fixation of patients in research imaging studies. It was quickly recognized that this technology had broader applications in the imaging market and could enhance the workflow of CT and MRI patient studies. Pearltec AG has quickly established itself in the key medical imaging markets around the world.

Pearltec's goal is to become the preferred partner for placement, positioning and fixation solutions.

