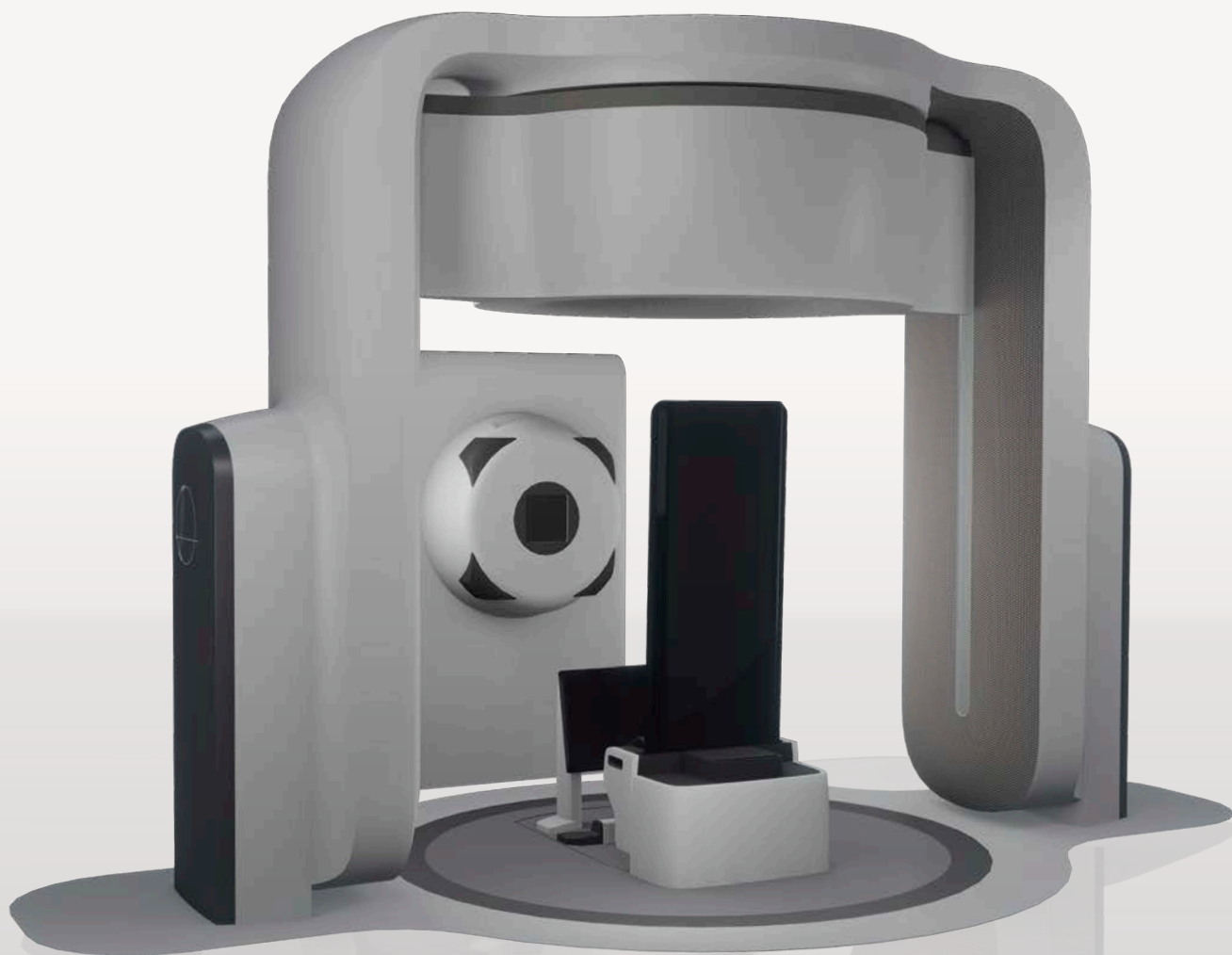


THE MORE HUMAN WAY TO TREAT CANCER



MARIE™

**LEO CANCER CARE'S SOLUTION
FOR UPRIGHT PARTICLE THERAPY**





**LEO CANCER
CARE WAS FOUNDED
WITH ONE GOAL
IN MIND, TO BE THE
MORE HUMAN WAY TO
DELIVER RADIATION
THERAPY**

**THIS IS A VERY LARGE GOAL BUT FOR US,
THIS IS WHAT IT MEANS;**

- 1** Improve the clinical effectiveness of Radiation Therapy through upright positioning.
- 2** Improve the access to Radiation Therapy by removing the need for large and expensive rotating gantries and instead introduce slow patient rotation.
- 3** Empower patients and clinicians to face Radiation Therapy together; eye to eye.

THE MORE HUMAN WAY TO TREAT CANCER

Patient's lives influence us to find a better way, a better way to improve patient care and how a patient experiences it. A better way to increase the accessibility of cancer treatments for more patients in more places. We believe our technology is that better way.

Our world class products can provide a streamlined and efficient treatment, whilst making the patient feel in control and hopeful. We truly believe that we are the more human way to treat cancer, and that is why our family of products are named after influential people in the fields of radiotherapy and radiology.

FINDING A BETTER WAY

Leo Cancer Care was founded with more than 100 years of Radiation Therapy experience, by a team dedicated to challenging the norms. The business has been built on research from across the globe showing the clinical benefits of upright patient positioning. Combining this with a shift from machine rotation to patient rotation, Leo Cancer Care is set to change the face of Radiation Therapy for good.



MEET MARIE™

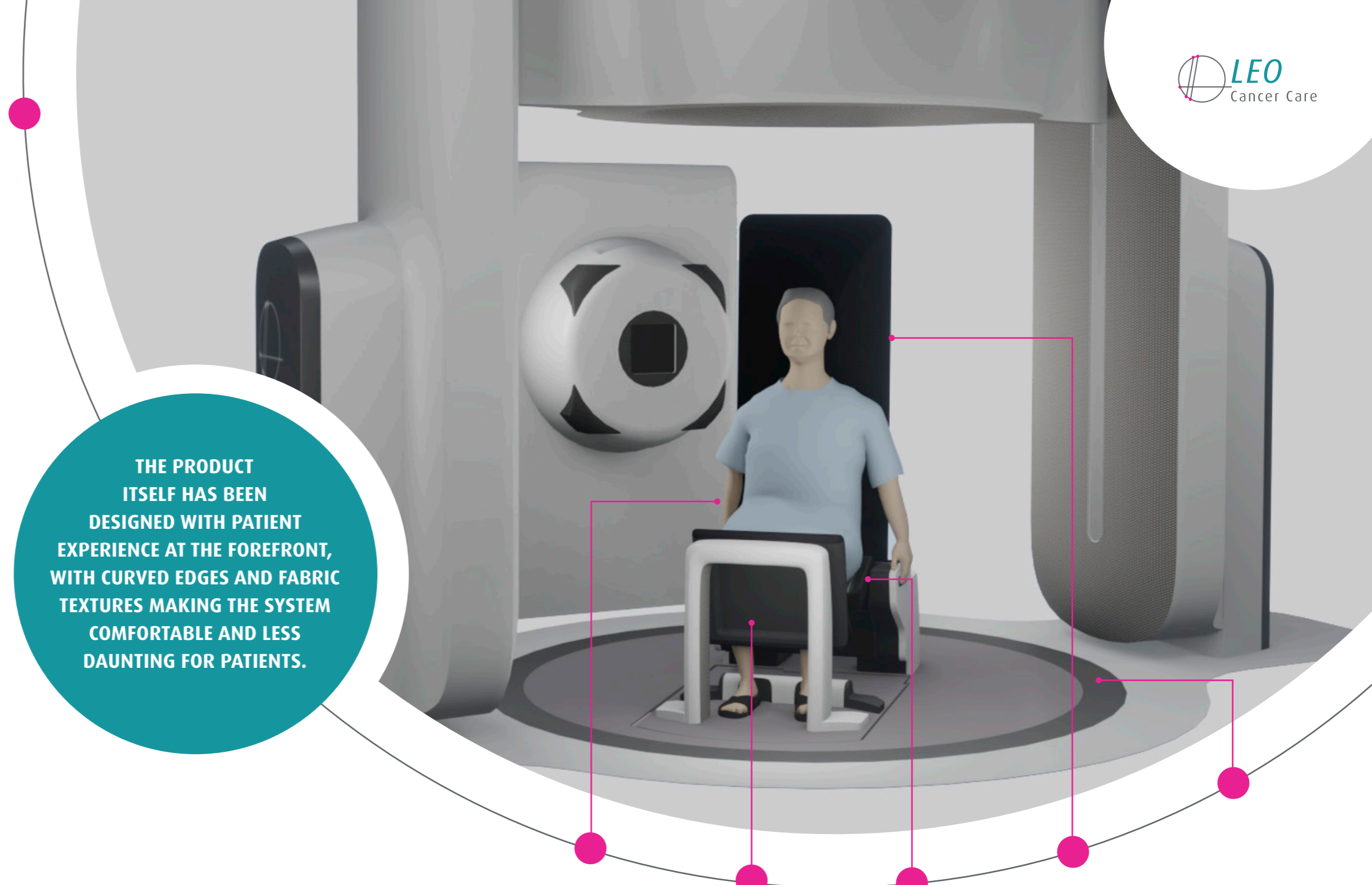
Named after Marie Curie, a pioneer of radiotherapy, our Particle Therapy solution combines our sophisticated, upright patient positioning system and dual-energy diagnostic quality CT.

Utilizing a fixed beam and patient rotation means our treatment machine does not require a large gantry and can be installed in new and existing treatment facilities, quickly and easily.

With the inclusion of state-of-the-art software, designed with our partners at Cosylab, combined with our bespoke technology, our GUI is fast, intuitive and simple to use, bringing even more efficiencies to the clinical environment.

As humans, we spend most of our day upright, this is when we feel at our most powerful and connected with others. Being in the upright position empowers patients during their treatment, whilst allowing them to take in their surroundings and able to communicate with their clinicians, eye to eye.

THE PRODUCT ITSELF HAS BEEN DESIGNED WITH PATIENT EXPERIENCE AT THE FOREFRONT, WITH CURVED EDGES AND FABRIC TEXTURES MAKING THE SYSTEM COMFORTABLE AND LESS DAUNTING FOR PATIENTS.



PRODUCT SPECIFICATIONS

UPRIGHT PATIENT POSITIONING SYSTEM

Isocentre Accuracy: <1mm
 X Translation: 30cm Travel
 Y Translation: 55cm Travel
 Pitch & Roll: +/- 3 Degrees
 Backrest Angle: +/- 15 Degrees
 Rotation: Continuous 360 Degrees

CT SCANNER

Bore Size: 85cm
 Field of View: 62.4cm
 Imaging Energies: 80kV & 140kV
 Gantry Tilt Angle: +/- 15 Degrees
 Travel Range: 180cm
 Slice Thickness: 1mm

ARM RESTS

Fully adjustable, to enhance patient comfort, while aiding optimal treatment positioning.

SHIN REST

Adjustable shin rest to secure the patient during imaging and treatment.

SEAT

Fully adjustable, to enhance patient comfort, while aiding optimal treatment positioning.

BACK REST

Ultra-thin, tilting back rest optimises patient posture to deliver the most accurate treatment.

BASE

Rotates 360 degrees and delivers 6 degrees of freedom for accurate and reproducible set-up.

WHY UPRIGHT?

HUMANS FEEL MOST EMPOWERED WHEN THEY ARE UPRIGHT OR ON THEIR FEET, WE BELIEVE THAT CANCER PATIENTS SHOULD BE ABLE TO FACE CANCER IN THIS WAY, EYE TO EYE WITH THEIR CLINICIAN AND ABLE TO TAKE IN THEIR SURROUNDINGS.



EMOTIONAL BENEFITS

CONNECTEDNESS DURING TREATMENT

Humans feel most empowered when they are upright or on their feet, we believe that cancer patients should be able to face cancer in this way, eye to eye with their clinician and able to take in their surroundings.

EMPOWERED TO FACE CANCER

We empower patients to be an active participant in their treatment. Patients can have a significantly more comfortable treatment experience in the upright position; breathing is easier, reduced chance of dysphagia and gastric reflux.



OPERATIONAL BENEFITS

POSITIONED TO TREAT IN LESS TIME

Our gantry-less approach and six degrees of freedom provide head to thigh coverage. Powered by an efficient and reliable all-in-one software solution improving ease of use and speed of set-up.

BRINGING IMAGING TO THE ISOCENTER

We have created a compact fan beam CT that can be placed in any treatment room meaning the patient can be scanned and treated in one place.



CLINICAL BENEFITS

MOTION MANAGEMENT CAN BE A THING OF THE PAST

A significant reduction in breathing motion improves treatment accuracy and reduces the need for lengthy and uncomfortable motion management techniques.

LESS ORGAN DRIFT MEANS MORE ACCURATE TREATMENT

Recent studies show that when the patient lies down their organs drift due to the change in direction of gravity. Treating patients in the upright position means they can be set-up quickly whilst preventing slow organ drift during treatment.



FINANCIAL BENEFITS

CANCER CARE IN REACH FOR ALL, FINALLY

The clinical community is searching for solutions that fits their rapidly changing financial realities. We have created products designed for the economics of the future. We have adapted technology to increase equipment utilisation; whilst improving access to proton treatments without the need for huge hospital redevelopments.

MORE EFFICIENCIES, MORE TREATMENTS

Our state-of-the-art technology reduces treatment times and saves money by increasing patient throughput and reducing set-up times.



“

I can speak from actual clinical experience as to why this concept is sound and why it will prove to be superior. I'm excited to be a part of it, I believe in it.

JAMES WELSH, MD

“

Saying you need a gantry is a very expensive way of saying you need multiple incident beam angles. It doesn't have to be solved with a gantry, there are other ways to solve the problem.

MARK PANKUCH, PH.D

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Scan the QR code to visit our website.



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