

INTRALINE

Intraoperative Radiotherapy Aligner

? CLINICAL NEED

In intraoperative breast radiotherapy treatment, the alignment of the collimator with the protection disc ensures correct irradiation and tissue protection. However, when there is displacement or rotation of these two parts, the dose reaches the tissues posterior to the disc with a deviation of 20% of the irradiated area.

💡 SOLUTION

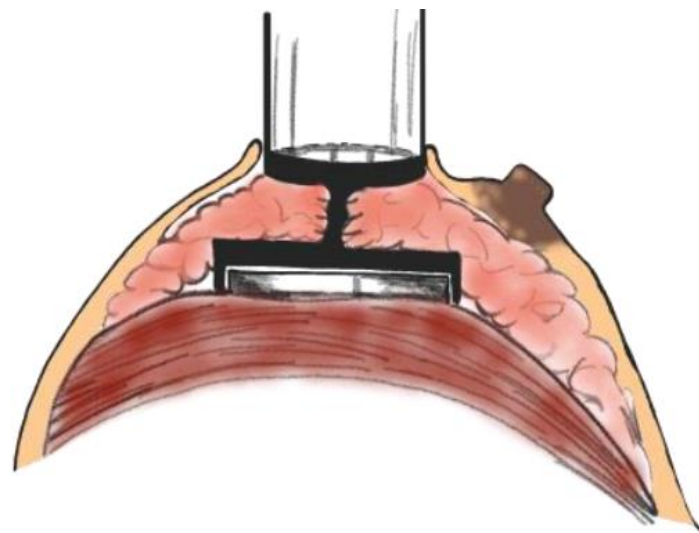
The solution consists of an applicator that solidly joins the disc with the collimator so that movement between them is impossible and eliminates one of the main problems of this treatment.

★ COMPETITIVE ADVANTAGE

Currently there is no solution on the market to solve the problem, only post-surgical validations are made to check that the disk has not moved (post-processing).

👥 THE TEAM

Dra. Carla Cases, physicist
Dra. Gabriela Oses, oncology
radiotherapist



🔒 INTELLECTUAL PROPERTY

Patent filled with priority date on July 4th, 2023, nº: **EP23382687**

📊 DEVELOPMENT

The project has now completed the design phase and a working prototype has been produced.



🧩 LOOKING FOR

Collaborations with companies involved in intraoperative radiotherapy for final developments and clinical trials.



CONTACT DETAILS

Direcció de Recerca i Innovació
Hospital Clínic de Barcelona

innovació@clinic.cat

innova@recerca.clinic.cat