



# BOOSTING DIGITAL TRANSFORMATION OF HEALTHCARE ACROSS REGIONS

Navarra, Spain

I3 Instrument  
Strengthen Innovation  
in Europe's Regions

**I3** Interregional  
Innovation  
Investments  
Instrument



Co-funded by  
the European Union



**HEALTHCHAIN** offers a model for co-created, demand-driven technological solutions in health care by creating optimal value-chains. It provides a framework in which innovations do not arise from technological vacuum and therefore have a short lifespan.

10

European regions from 8 countries

33

SMEs cocreating solutions with healthcare organisations

24

Digital solutions to be implemented in 10 hospitals focused on:

Self-management

Care coordination

Data Integration & Management

Education & Information

Remote patient monitoring

Data Analytics & AI

Symptoms tracking

Diagnostics



# NAVARRA REGION



## Healthcare Organisation

University Hospital of Navarra

The University Hospital of Navarra is a leading medical center in Pamplona. With over a thousand beds and a dedicated staff of nearly 6,500 professionals, it offers high-quality healthcare, specialized in innovative cancer treatments through its Radiotherapy Oncology service.



## Ecosystem supporter

NAVARRABIOMED

Navarrabiomed is a public biomedical research centre with 20 research units that connect the University Hospital of Navarra with SMEs, offering technical advice and managing innovation in the region's public health system.

## OPER-ART

OPER-ART solution automates custom 3D-printed moulds and boluses tailored to patient morphology, ensuring optimal radiotherapy precision, efficiency, and patient care through advanced software integration.



Data Value Management



Enhances radiotherapy precision



Generates customized mould in an automated way








Improves patient care quality





OPER-ART solution automates custom 3D-printed moulds and boluses tailored to patient morphology, ensuring optimal radiotherapy precision, efficiency, and patient care through advanced software integration.

-  Reduces manual effort with automated 3D mould and bolus generation for radiotherapy treatments.
-  Enhances treatment outcomes through perfectly tailored moulds for optimal radiation delivery.
-  Increases radiotherapy efficiency by minimizing errors and maximizing customization speed.
-  Improves patient comfort with precise moulds adapted to individual morphologies.
-  Streamlines hospital workflows through seamless software integration and data management.

## Regional Partners

---



Hospital Universitario  
de Navarra



NavarraBiomed



Data Value  
Management





[www.healthchain-i3.eu](http://www.healthchain-i3.eu)



HealthChain project is funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or European Innovation Council and SMEs Executive Agency (EISMEA). Neither the European Union nor the granting authority can be held responsible for them.