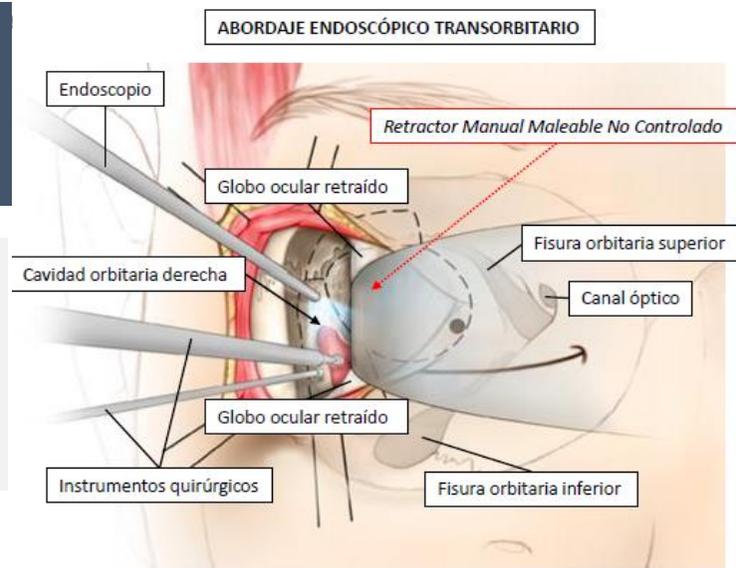


# ROBORETO

ROBOTic Retractor system for Endoscopic TransOrbital surgery

👉 Novel robotic retractor system for **endoscopic transorbital surgery (ETS)** to the brain and skull base



## ? CLINICAL NEED

ETS is a novel procedure that allows to perform **brain surgery** from the **transorbital pathway** for complex **brain tumors**, avoiding invasive surgeries procedures that bring high mortality and morbidity.

**Orbit retraction** is the key procedure in those **neurosurgeries**, and no dedicated technology is available yet.

## 💡 SOLUTION

We are developing a **new surgical tool to allow the optimal access and management of the eye retraction** during ETS.

## ☀️ COMPETITIVE ADVANTAGE

Nowadays, there is no specific device to **manage and control** the eye in an optimal and safety way during ETS. Our main goal is **increase ETS positive results** and **reduce post-surgical complications**.

## 👥 THE TEAM



Dr. Alberto Di Somma  
Neurosurgeon



Dr. Joaquim Enseñat  
Head of the Neurosurgery service



## 🔒 INTELLECTUAL PROPERTY

**European patent** (EP23382980) application was submitted 27 of September 2023. FRCB-IDIBAPS, HCB and UB share joint ownership.

## 📊 DEVELOPMENT

The retractor has been **designed and a first prototype has been acquired**. The validation of the 1<sup>st</sup> prototype will be performed during the following months by the team.



## 🧩 LOOKING FOR...

Partners to advance the current **prototype and develop** a minimum viable product.

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