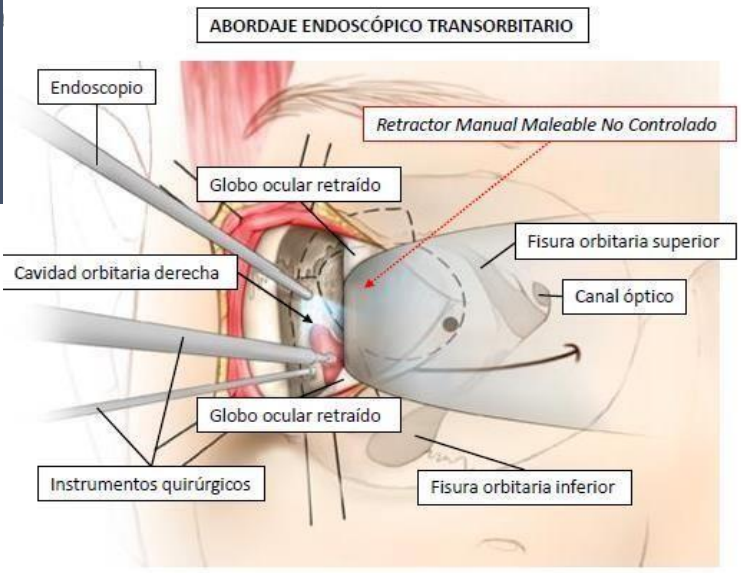
ROBORETO

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

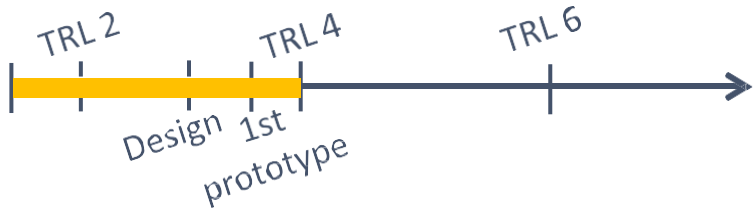
Nowadays, there is no specific device to **manage and control** the eye in an optimal and safety way during ETS. Our main goal is **increase ETS positive results** and **reduce post-surgical complications.**

INTELLECTUAL PROPERTY

European patent application EP23382980 was filed on september 2023 and tehe PCT extension **PCT/EP2024/076587** on october 2024. FRCB-IDIBAPS, HCB and UB are joint owners.

DEVELOPMENT

The retractor has been **designed and a first protype has been accquired**. Currently, is being manufactured under regulatory guidelines.



LOOKING FOR...

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

THE TEAM

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