

PATIENT'S GUIDE

## A Minimally Invasive Option for Patients Considering Brain Surgery



**NeuroBlate**<sup>®</sup>  
S Y S T E M

MINIMALLY INVASIVE ROBOTIC LASER THERMOTHERAPY

# NeuroBlate<sup>®</sup>

S Y S T E M

## Robotically Controlled Probe Driver

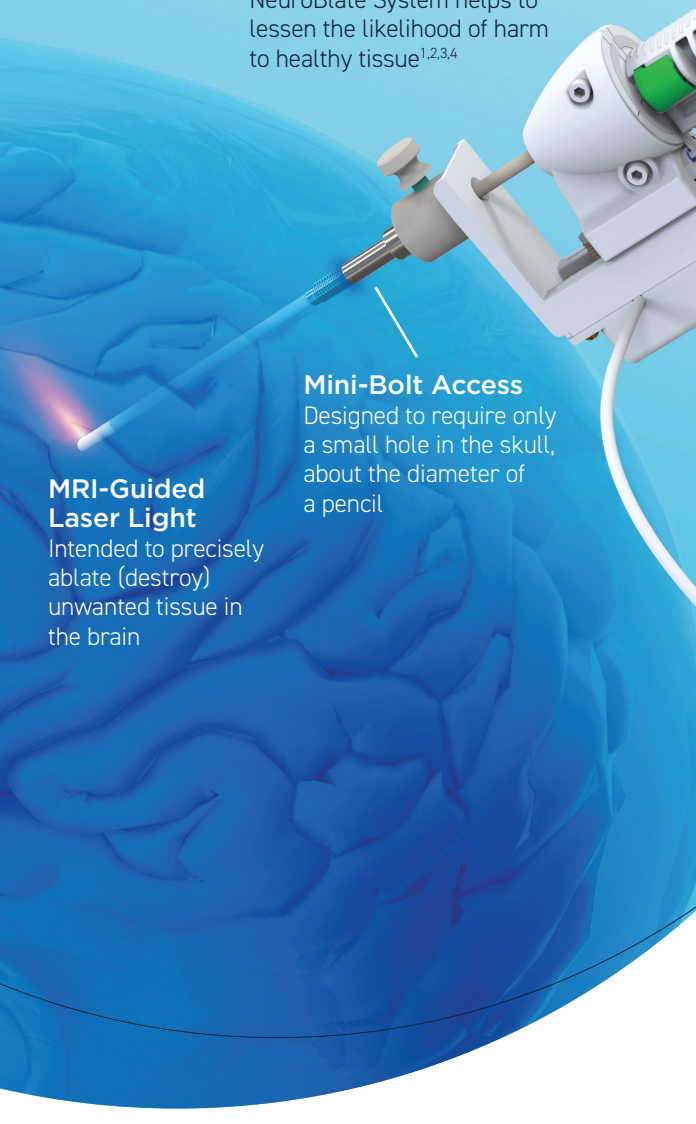
Precise nature of the NeuroBlate System helps to lessen the likelihood of harm to healthy tissue<sup>1,2,3,4</sup>

## MRI-Guided Laser Light

Intended to precisely ablate (destroy) unwanted tissue in the brain

## Mini-Bolt Access

Designed to require only a small hole in the skull, about the diameter of a pencil



## Finally, a minimally invasive surgical option

The NeuroBlate® System is a minimally invasive robotically controlled laser thermotherapy that uses MRI-guided laser light to ablate (destroy) unwanted tissue in the brain where the lesion, or abnormal tissue, originates.

### How does the NeuroBlate System work?

With NeuroBlate, the surgeon attempts to ablate lesions in the brain. Unlike traditional brain surgery, a procedure with the NeuroBlate System does not require a large opening in the skull. Instead, doctors create a small hole in the skull, about the diameter of a pencil. While the patient is in the MRI machine, the doctor guides a small laser device (probe) through the hole into the lesion. The probe delivers laser light energy that heats and destroys the affected tissue. Because the NeuroBlate System is MRI-guided, the neurosurgeon is able to visualize the specific area of the brain to be ablated. The precise nature of the procedure helps to lessen the likelihood of harm to nearby healthy brain tissue.<sup>1,2,3,4</sup>

### What will I experience right before and after ablation with the NeuroBlate System?

You will receive anesthesia before the procedure. Your doctor will determine what level of anesthesia is right for you. After the procedure, you will have a stitch or two in the skin where the probe was inserted. You may also have scratches on your head from the device that held your head in position.



## **How soon after the procedure can I go home from the hospital?**

Experience shows that patients generally tolerate the procedure well, but each patient is different. NeuroBlate is a minimally invasive surgery, a type requiring only a small opening in the body instead of a large incision as in open surgery. Minimally invasive procedures are generally well tolerated, have a short recovery time and patients go home with 1-2 stitches.

## **What outlook can I expect after a procedure with the NeuroBlate System?**

Each patient is unique. Your doctors are the best qualified to describe specifically how a procedure may affect your outlook.



## What are the risks related to procedures using the NeuroBlate System?

The NeuroBlate System is a surgical tool used in brain surgery to heat and destroy targeted tissue. Patients must be able to undergo MRI exposure. All brain surgeries carry risk. Possible adverse events include, but are not limited to, bleeding, edema, unintended major brain tissue damage, and permanent neurological deficits. Discuss with your physician the potential benefits and risks.

For full prescribing information, please visit [monteris.com](http://monteris.com).

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## References

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