


Cerebral Corridor Creator



Company Profile

Shenzhen Shineyard Medical Device Co. Ltd. (SYM), established in 1995, is a Class III manufacturer of medical devices which is also a national high-tech enterprise. SYM has gained rich experience in R&D, quality control, regulatory and sales network. In 2015, after its strategic transformation SYM created an open and mutually beneficial project development platform, SYM-LAB, focusing on neurosurgery.



SYM-LAB

Doctors' clinical innovation is the core to promote medical progress.

Medical experts have rich clinical experiences and innovative product ideas and they know the market demands. SYM-LAB is the efficient platform to accelerate these ideas into clinical products. By cooperating with SYM Lab, experts not only witnessed their own ideas come into real products, but also gained considerable financial benefits from it.

SYM-LAB has cooperated with a number of well-known universities and large medical institutions with clinical trial qualification to research and develop a series of innovative medical products in neurosurgery.



Cerebral Corridor Creator (CCC)

A tubular retractor for minimally invasive (key-hole) neurosurgery.

Each CCC set contains a balloon catheter and a transparent tubular retractor. The balloon helps to softly dilate the brain tissue with minimum damage and create surgical corridor by gradually inflating and deflating. The tubular retractor provides a direct visualization to the lesion area and surrounding tissue; It also helps to maintain the corridor, and protect brain tissue from the accidental injury during the operation.

Part number:

Tubular retractor Model	Inner Diameter (mm)	Length (mm)
YB-50	15mm	50mm
YB-70	13mm	70mm

Corresponding size of balloon will be provided with the tube. More tubular retractor sizes are coming soon. Compatible with most popular Neuro-Navigation.



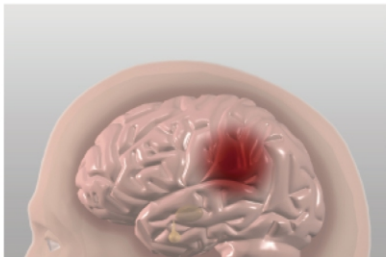


Unique feature

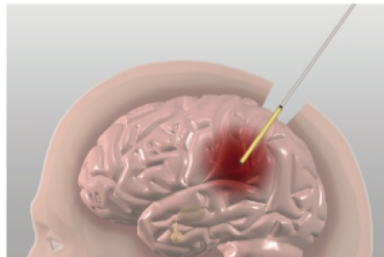
Inner tube helps to confirm the lesion location:

Remove the needle from the inner tube and connect with a syringe to withdraw the fluid from the brain to confirm the lesion location and reduce ICP.

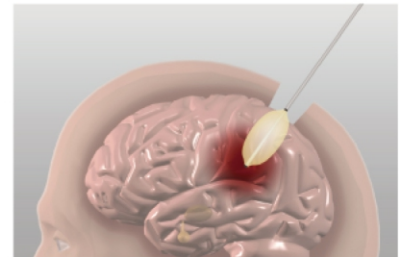
Instruction of use:



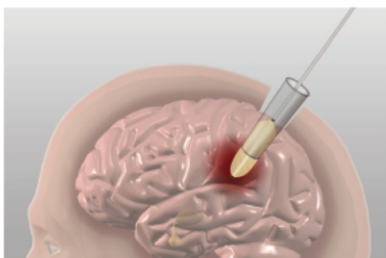
1. Preoperative procedures



2. Introduce the balloon catheter, confirm the lesion location



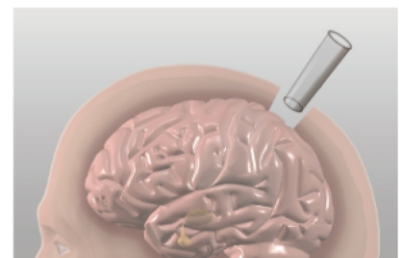
3. Inflate and deflate the balloon to dilate brain tissue



4. Insert the tube




5. Surgical procedure



6. Remove the tube

※ Stretch the balloon catheter before use in order to achieve ideal performance.



Indications

CCC set can be used for most keyhole brain surgeries. We recommend, but not limited to the following indicated pathologies

Intracranial hematomas

Basal ganglia, lobes, thalamus, brainstem, ventricles

Intracranial tumors

Arachnoid cyst in the brain, brain parenchyma tumors, skull base tumors etc.

Small-middle size deep-seated brain lesions.

Key advantages of CCC:

- Unique concept in which approach and positioning of the brain-retractor are combined in one product.
- Soft dilation by the balloon which minimizes the increase of the intracranial pressure.
- Physical pressure is applied equally and radially on the brain tissue surrounding the tube which minimizes the amount of brain injury compared to traditional retractor. There is less chance of bleeding and no need for repeated electrocautery.
- The transparent circular tube wall gives a clearly visible operation view to the neurosurgeons, avoids overlap of tissue in the field of view and helps to observe the surrounding tissue.
- The tube can prevent the secondary damage of the surgical instrument to the surrounding brain tissue and avoid brain tissue collapse, to facilitate the resection.



 PBMV

 Neurosurgical Products

Authorized distributor:



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