

INTRODUCING AN

ACTIVE FLUID EXCHANGE CATHETER

rigation de

Automated Irrigation

Controlled Drainage

Continuous ICP Monitoring



A FUNDAMENTAL SOLUTION FOR INTRACEREBRAL FLUID MANAGEMENT.

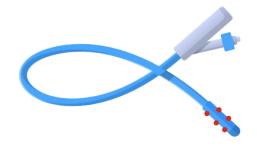
The IRRAflow dual-lumen catheter is a dynamic product for advanced fluid management in the intracerebral space.

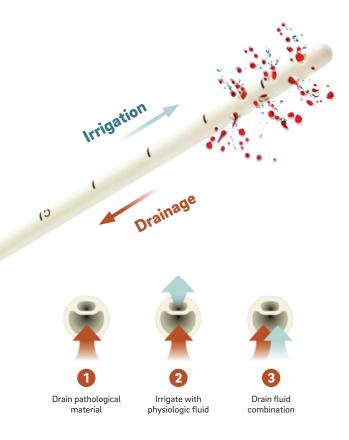
IRRAflow's innovative technology allows the user to customize patient treatment with a therapeutic approach to treating intracranial bleeding by combining needed drainage, continuous ICP monitoring and automated, controlled irrigation, all in one system.

Market-leading EVDs become blocked up to

47% of the time¹,

which can cause an increased risk of infection, and prolonging the length of stay in the ICU.





IRRAflow's dual lumen catheter was designed to enable active fluid exchange by enabling irrigation with physiologic fluids and drainage of pathological material.

IRRAflow's Active Fluid Exchange has the following benefits:

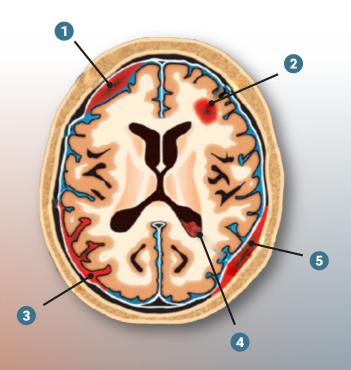
- Potential reduction of catheter occlusion due to automated cleansing of the catheter tip.^{3,4}
- A combination of automated irrigation and controlled drainage may have the ability to enhance the removal of collected blood.^{5,6}
- Removal of blood and proteins that can start an inflammatory cascade² and secondary hemorrhagic events.^{4,5,6}

Cross-sectional view of dual-lumen catheter

IRRAflow HAS BEEN USED TO TREAT MULTIPLE DISEASE STATES

The IRRAflow system has been used to effectively treat a variety of pathologies, offering unique ways to treat acute or chronic SDH, IVH, IPH with Ventricular involvement, SAH, Ventriculitis and Cerebral Abscesses.

- Subdural Hematoma
- Intracerebral Hematoma
- Subarachnoid Hemorrhage
- 4 Intraventricular Hemorrhage
- 5 Epidural Hematoma

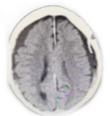


Pre-IRRAflow

Post-IRRAflow

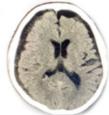
Chronic Subdural Hematoma





Bilateral Chronic Subdural Hemtoma





Intraventricular Hemorrhage



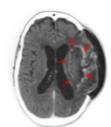


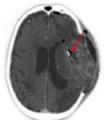
Intraparenchymal Hemorrhage with Intraventricular Hemorrhage





Cerebral Abscess



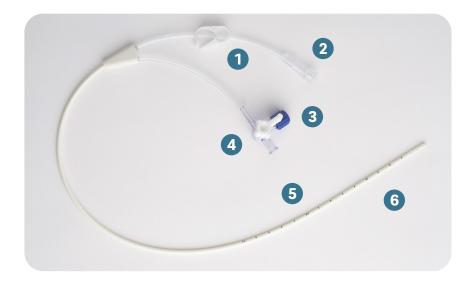






Ventriculitis





- 1. Pinch Clamp
- 2. Drainage Port
- 3. Stop Cock
- 4. Irrigation Port
- 5. Graduations every centimeter up to 15 cm
- 6. 9F, 38cm Dual-lumen Catheter



Product # **Product Name**

IRRAFLOW DUAL-LUMEN CATHETER

ICGS 020

IRRAflow 2.0 Catheter, 9F, 38cm

Product Description

Dual-lumen catheter that combines active irrigation with CSF drainage, with a slightly larger inner diameter which enhances fluid removal.



IRRAFLOW TUBE SET

ICDS 020 IRRAflow Tube Set Intelligent digital pump enables communication between control unit and catheter to provide automated irrigation, fluid drainage, and ICP monitoring.



IRRAFLOW CONTROL UNIT

ICCU 020 IRRAflow Control Unit

Active fluid exchange via an intuitive touchscreen with personalized alarm settings that provide control when managing ICP and CSF.

CUSTOMER SERVICE

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