

# CEFLUI

## External CSF drainage system

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### DESCRIPTION

The SURGIWEAR “External CSF Drainage System” is designed to monitor & or drain cerebrospinal fluid to outside body into a closed system. Each system contains one ventricular catheter / lumbar catheter and one collection system which includes bag.

The systems are available for ventricular drainage and lumbar drainage. Catheters contain barium sulfate for x-ray detect ability. The Lumbar catheter (90 cm long, ID 0.7 mm, OD 1.5 mm) has holes.

Ventricular catheter (30 cm long, ID 1.5 mm, OD 3.00 mm) is antimicrobial and has holes at one end. The end also has black tantalum tip. It is to be connected with collection system.

The collection system consists of three way stop cock, connecting tube, anti reflux valve, drip chamber and collection bag. The catheter is to be connected with three way stop cock. Drip chamber is used to monitor the discharge rate by counting the drop rate.

The collection bag has two collection chambers, one small (200 ml capacity) and other large (2600 ml capacity). The fluid first comes to small chamber. The small chamber is used to measure small quantity. When the chamber is full, it can be emptied, by tilting the bag, into the large chamber. The large chamber is used to measure large quantity of fluid. The large chamber can be emptied, by tilting the bag, through the bottom

discharge point.

The scale, provided on the mounting board, is for keeping track of level of bag and helps in lowering or lifting the position of bag.



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### INDICATIONS

The “External CSF Drainage System” is to be used for external drainage of CSF, wherever indicated. Some of the principal indications are: Posterior fossa tumor, hematomas posterior fossa, IV ventricle obstruction, cranial injuries, subdural hematomas, meningitis, ventriculitis and subarachnoid hemorrhage into CSF and cerebral abscess. Reyes syndrome or similar encephalopathy and other cases where monitoring of CSF is required.

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### CONTRAINDICATIONS

External CSF drainage and monitoring with a ventricular or lumbar catheter is contraindicated in patients receiving lumbar anticoagulants or who are known to have a bleeding diathesis. The ventricular catheter is contraindicated in scalp infection. Lumbar catheter insertion is contraindicated in non communicating hydrocephalus, infection in surrounding area and patients with blockage CSF flow due to trauma, hematomas, fracture or tumor. Monitoring and or external drainage in such conditions is at the discretion of the physician.

be all free from disease & sufferings

**SURGIWEAR®**  
AN ISO 13485 : 2003 COMPANY

**m****METHOD OF USE**

Mounting board may be hanged mounted on a IV stand pole or side of bed, depending upon suitability. The bag is stuck on the board with help of hook & loop fastener. To lower or raise the bag, just pull off from board and re-paste it at suitable height.

**Surgical Procedure**

The implantation of catheter including placement may be accomplished through variety of procedures. The choice depends upon the training of neurosurgeon, customs in that hospital, country. Therefore the surgeon is best advised to use method, which his/her own practice and training dictate to be best for the patient.

Some indicative steps are as follows:

1. All procedure should be done under operating room conditions.
2. Insert ventricular catheter/ lumbar catheter as is practice of physician.
3. Make a subcutaneous tunnel to secure the catheter.
4. Fill the tubing with saline and connect with the catheter.
5. Place the dripping point of drip chamber, 5-10 cm above the drainage point. Adjust it according to requirements.

The stylet may be used to support ventricular catheter during implantation.

For warnings, precautions & complications refer to "Instruction for use" packed with each set.

**h****HOW SUPPLIED**

"External CSF Drainage System" is supplied in various models including different components separately. These are available sterile by EO gas in double peel open packing.

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Ventricular External Drainage System	SH034
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Lumber External Drainage System	SH035
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CEFLUI Lumber Part	SH033
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CEFLUI Ventricular Part	SH032
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External Drainage Bag	SH031
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