Introducing Active Fluid Exchange

See What is Possible with a Proactive, Therapeutic Approach
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Intraventricular Hemorrhage

PATHOLOGY TREATED
Intraparenchymal and Intraventricular Hemorrhage due to Hypertension

TREATMENT DESCRIPTION
• IRRAflow Catheter Probe inserted
• Active Fluid Exchange performed for 27 total hours

TREATMENT RESULT
• Patient stabilized, returned to regular ward, discharged to rehab
• No drainage occlusions seen
• No infection seen

Treatment Time – 27 Hours

Pre-IRRAflow Treatment
Post-IRRAflow Treatment

Male, 18 Years Old

IFS-0095-A
Chronic Subdural Hematoma
Chronic Subdural Hematoma

PATHOLOGY TREATED
Intraparenchymal and Intraventricular Hemorrhage due to Hypertension

TREATMENT DESCRIPTION
• IRRAflow Catheter Probe inserted
• Active Fluid Exchange performed for 6.5 total hours

TREATMENT RESULT
• Patient stabilized within 24 hours
• Complete neurological recovery
• Complete clearance of hematoma
• No drainage occlusions seen
• No infection seen

Male, 85 Years Old

Treatment Time – 24 Hours

Pre-IRRAflow Treatment

Post-IRRAflow Treatment
Ventriculitis
**Ventriculitis**

**PATHOLOGY TREATED**
- Aggressive CSF shunt-related Ventriculitis
- Neurosurgeon description – “mass of germs, impossible to evacuate”

**TREATMENT DESCRIPTION**
- Physician not yet trained on IRRAflow
- Distributor trained via Skype
- IRRAflow Catheter Probe inserted
- Active Fluid Exchange cleared mass
- IRRAflow Catheter Probe remained in place for entire antibiotic therapy
- After inflammation subsided, IRRAflow removed, shunt replaced

**TREATMENT RESULT**
- Patient survived
- Released from rehab
- Facility preparing case for publication

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“The patient is conscious, no bacteria is left in the brain. She went from 100% probability of death to now conscious. This should not have been possible without IRRAflow.” Dr. Behnam

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Female, Early 40’s