

Differential pressure valve

- Programmable gravitational valves in idiopathic normal pressure hydrocephalus: long-term outcomes after a 3-year follow-up
- VIEshunt: towards a ventricular intelligent and electromechanical shunt for hydrocephalus therapy
- Treatment of low-pressure hydrocephalus using a novel shunt valve technique: applying Bernoulli's equation to fluid statics. Technical note
- Idiopathic Normal Pressure Hydrocephalus and Shunt Complications per Valve Type: A Meta-Analysis of Proportions
- Incidence of infection rate for shunt implantation: the zero % rate is always a myth
- Cardiac screening in pediatric patients with neurofibromatosis type 1: similarities with Noonan syndrome?
- 17 years of experience with shunt systems in normal pressure hydrocephalus - From differential pressure to gravitational valves
- Programmable Versus Differential Pressure Ventriculoperitoneal Shunts for Pediatric Hydrocephalus: A 20-Year Single-Center Experience From Saudi Arabia

There are two types of differential pressure valves:

[Adjustable differential pressure valve](#)

[Fixed differential pressure valve](#)

Fixed pressure valves have been used successfully for years, but necessitate shunt revision when the patient's pressure/flow requirements change.

With [adjustable pressure valves](#), the pressure/flow performance level setting can be changed after implantation, potentially avoiding the cost and trauma of shunt revision surgery.

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