SignaVitae

Journal of Anaesthesia, Intensive Care and Emergency Medicine

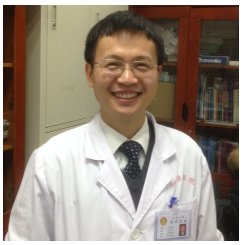
Special Issue

Acute Hydrocephalus

Background: Hydrocephalus is the result of normal physiological disturbance of brain crest fluid, which leads to the increase of intracranial pressure and the enlargement of the cerebral ventricle. In turn, it leads to pressure on the brain parenchyma and neurological dysfunction. Patients with acute hydrocephalus, on the other hand, are more likely to have a rapidly deteriorating neurological disorder, which requires urgent attention.

Importance: The causes of acute hydrocephalus are varied, these include infections, subarachnoid hemorrhage, intracerebral or cerebellar hemorrhage or intraventricular dilation, sudden occlusion of the outflow tract of cerebrospinal fluid (CSF) due to a tumor or foreign body, occlusion of intracranial vascular disease, trauma, or intracranial surgery. However, the further mechanism is still worth our careful exploration. Non-surgical measures to improve the flow of CSF in acute hydrocephalus have little effect on the recovery of intracranial pressure. Most patients need surgical treatment in the end, and external ventricular drainage (EVD) is the most commonly used method for acute hydrocephalus, it provides time for further diagnostic studies or therapeutic interventions for underlying causes. However, there is still debate about the risk of serious complications from EVD surgery, such as the increased risk of aneurysm rebleeding and intracranial infection. Therefore, more evidence is needed.

The goal of the special issue: For this special issue, we will invite authors to publish original clinical and fundamental research articles, case reports, or comprehensive reviews on this topic. Papers accepted will be published immediately and gathered together in the special issue homepage. We respectfully request that researchers involved in this work and join us in this special issue to improve the content of acute hydrocephalus.



Gelei Xiao

Guest Editor:

Dr. Gelei Xiao, MD &Ph.D.
Attending doctor, Division of Pediatric Neurosurgery, Department of Neurosurgery, Xiangya Hospital, Central South University, ChangSha, China

Interest: Spinal cord injury, Traumatic brain injury, Neurosurgical procedures, Hydrocephalus, Neurosurgery, Microneurosurgery

E-mail:

xiaogelei@csu.edu.cn

Website:

https://www.researchgate.net/profile/Gelei_Xiao

Submission Deadline: 31 July 2021

Submission: http://signa.ijournal.cn

Impact Factor: 0.338

Contact us: SVeditorial@signavitae.net

Website of the special issue

MRE PRESS

Signa Vitae **Print ISSN:** 1334-5605 **Online ISSN:** 1845-206X

14 Robinson Road #08-01A Far East Finance, Singapore 048545