

# Brain edema, BBB disorders / repetitorium

**Prerequisites and co-requisites:** tissue fluid production, HEB permeability, paraventricular organs.

## Edema

Fluid accumulation in the brain - increase in brain volume - due to the pressure-volume curve increase in intracranial pressure

### Classification

- vasogenic
- cytotoxic
- osmotic
- hydrostatic
- ischemic (combination of vasogenic and cytotoxic)

**Consequences** - intracranial hypertension - restriction of blood flow to the brain! Symptoms identical to intracranial hypertension.

## BBB

- Development during life (newborns)
- Disorders - inflammation, ischemia, radiation
- Increasing system pressure
- ECT osmolality changes (water poisoning)
- Drug permeability (ATB, dopamine)

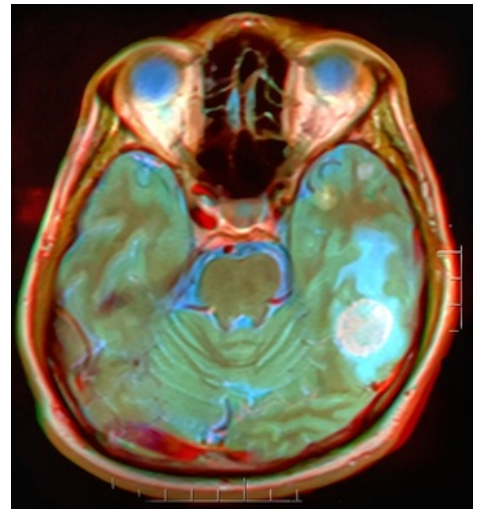
## Links

### Related articles

- Brain edema
- Intracranial hypertension
- Blood-brain barrier
- Craniocerebral trauma

### Source

VÍZEK, Martin. *Repetitorium* [online]. [feeling. 2011-12-30]<  
<https://web.archive.org/web/20130512032641/http://pf.lf2.cuni.cz/vyuka/repetitorium.html> >.Category:  
Pathophysiology | Neurology



brain edema