



MANAGING MALIGNANT OEDEMA AND TREATMENT-RELATED HAEMORRHAGE IN ACUTE ISCHAEMIC STROKE

Sang-Bae Ko MD, PhD, FNCS

**Department of Critical Care Medicine
Department of Neurology
Seoul National University Hospital**



Disclosure

- I have nothing to disclose for this lecture



Learning Objectives

- Definition of malignant cerebral edema
 - Risk factors and types of brain edema
- Edema modulating therapy
 - Stepwise management of ICP elevation
 - Head Position / Screening for surgical decompression (EVD)
 - Proper sedation
 - Avoid hyponatremia
 - CPP optimization
 - Hyperosmolar therapy : mannitol vs hypertonic saline vs sodium acetate
 - Targeted temperature management : TTM related issues
 - Pentobarbital coma therapy



Learning Objectives

- Hemorrhagic transformation
 - Risk factors
 - Specific antidotes for individualized care



References

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- 3. Desai A. Hyperosmolar therapy: A century of treating cerebral edema. *Clin Neurol Neurosurg*. 2021 Jul;206:106704.
- 4. Lamperti M. Salted or sweet? Hypertonic saline or mannitol for treatment of intracranial hypertension. *Curr Opin Anaesthesiol*. 2022;35(5):555-561.
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