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Management of Acute Glomerulonephritis in A Child with Ischemic Stroke and Hypertensive Crisis

Abstrak :

Acute glomerulonephritis refers to a specific set of renal diseases in which an immunologic mechanism triggers inflammation and proliferation of glomerular tissue. Some patients present with hypertensive emergency and cerebral involvement. It was uncommon case of ischemic stroke accompanied by acute glomerulonephritis. The patient was 8 year-old boy admitted to the hospital with the main complaint of unconsciousness. He had seizure and dark urine. Physical examination revealed blood pressure 160/120 mmHg, anisocor pupils and paresis. Urine examination showed proteinuria and urine sediment full of erythrocyte and white blood cells. ASTO titer 800 IU/ml and low level of C3. Head CT scan showed a wide embolic ischemic cerebral infarction in right fronto-temporo-parieto-occipital region that appropriate with right media cerebral artery and perifocal edema. He was treated with furosemide, nifedipin, manitol and dexamethasone. The condition improved with the treatment without decompressive trepanation. The patient was discharged in good condition.

Keyword :

acute glomerulonephritis, ischemic stroke, hypertensive crisis, clinical signs, management, improved

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