



Clinical Management of Hyponatremia

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Message from the Guest Editor

Dear Colleagues,

Hyponatremia is the most common electrolyte disorder that is caused by a multitude of conditions that activate a unique set of physiologic responses. The application of these physiologic responses has improved our understanding and treatment of hyponatremia, which can have dire consequences, including death. The reports of deaths due to acute hyponatremia after a modest intake of water in athletes after strenuous physical activity raises questions about the importance of limiting water-intake in other hyponatremic conditions. We will address the effects of acute hyponatremia and its effects on the brain. This issue will focus on the pathophysiology and methods to treat some of the common causes of hyponatremia, discuss new approaches to identifying the cause of hyponatremia, how to differentiate the syndrome of inappropriate secretion of antidiuretic hormone from cerebral/renal salt wasting, and implications and clinical applications of the newly identified novel natriuretic protein that may cause salt wasting.

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