Hyperkalemia: A Physiologic Approach to Diagnosis and Management

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Educational Symposium Description and Objectives
Hyperkalemia commonly complicates CKD and remains a leading safety concern for these patients. Optimal diagnosis and management of hyperkalemia relies on a thorough understanding of the physiologic mechanisms governing potassium homeostasis. This symposium examines the regulation of aldosterone release from the zona glomerulosa of the adrenal gland in response to hyperkalemia and explores the importance of the physiologic link between aldosterone breakthrough and hyperkalemia. Finally, a case-based approach to the diagnosis and management of this common electrolyte disorder is conducted, highlighting recent advances in therapy.

Upon completion of this symposium, the participant will be able to: 1) describe the physiologic mechanisms that control aldosterone generation and release in response to hyperkalemia; 2) discuss the clinical consequences of hyperkalemia; 3) develop a strategy for the evaluation of hyperkalemia; and 4) develop proficiency in the management of hyperkalemia including new therapeutic options.

Faculty List

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