

The Child with Endocrine Dysfunction

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The Endocrine System

The endocrine system controls and regulates metabolism; this includes energy production, growth, fluid and electrolyte balance, response to stress, and sexual development ([Gardner and Shoback, 2011](#)). This system has three components: (1) the cell that sends a chemical message using a hormone; (2) the target cells or organs, which receive the chemical message; and (3) the environment