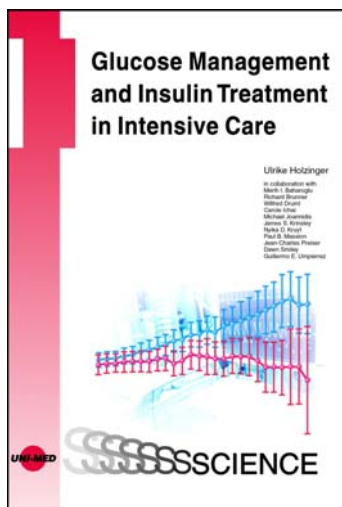


Glucose Management and Insulin Treatment in Intensive Care

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Glucose control and insulin therapy in the Intensive Care Unit (ICU) have gained lots of attention in the past ten years. New technologies like continuous or near continuous glucose monitoring are opening new perspectives in endogenous and exogenous glucose regulation, though devices suitable for critically ill patients are emerging into the market slowly. New metrics of glucose regulation have turned out to be new targets for therapeutic glucose control, since they are associated with mortality. This book provides an overview of the currently available data on the glucose control in critically ill patients and comprises chapters about the pathophysiology of hyperglycemia, effects of hyperglycemia and glucose control in different critically ill patient groups, the side effects of glucose control and current standard of implementation of intensive insulin therapy and finally a perspective on future developments and trends.