

The role of magnesium in the management of the critically ill patient

Magnesium is an essential electrolyte for life and plays a crucial role in several biochemical and physiological processes in the body. Hypomagnesemia is common in critically ill patients and is associated with prolonged hospitalisation and increased mortality. This lecture will discuss and explore the following objectives:

- Review magnesium homeostasis and the physiological roles of magnesium within the body
- Causes of hypomagnesaemia in the critically ill patient
- The biochemical and clinical manifestations of hypomagnesaemia
- The role of magnesium as a prokinetic agent and in pain management