

Current state of glycemic control in critically ill ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3259024>

Jan 06, 2012 · For hyperglycemic critically ill patients we recommend a **blood glucose target** of 8.0–10 mmol/L (144–180 mg/dL). To achieve this target we suggest that use of intravenous fluids that contain **glucose** should be minimized and administration of insulin be commenced if **blood glucose** exceeds 10.0 mmol/L (180 mg/dL), and adjusted when needed to maintain **blood glucose** of 8.0–10.0 mmol/L ...

Cited by: 3 Author: Vasileios Zochlos, Jonathan Wilkinson, Jo...
Publish Year: 2012

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Glycemic control in the critically ill: What have we ...

<https://pubmed.ncbi.nlm.nih.gov/26224425>

This review provides an overview of the last 6 years of research in this field. Topics include advances in understanding the domains of **glycemic control** - hyperglycemia, hypoglycemia and glucose variability; the role of diabetic status in modulating the relationship of these domains of control to mortality; the importance of premonitory glucose control in patients with diabetes; the central role that measurement ...

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Glycemic control, mortality, and hypoglycemia in ...

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We employed network meta-analysis to examine the risk of mortality and hypoglycemia associated with different glycemic control targets in critically ill adults. Methods: Electronic databases were searched up to 2016 for randomized controlled trials comparing various insulin regimens in critically ill adults with hyperglycemia.

Cited by: 96 Author: Tomohide Yamada, Nobuhiro Shojima, Hisash...

Publish Year: 2017



The optimal target for acute glycemic control in ...

<https://pubmed.ncbi.nlm.nih.gov/27686353>

Purpose: The optimal target blood glucose concentration for acute glycemic control remains unclear because few studies have directly compared 144-180 with 110-144 or >180 mg/dL. Accordingly, we performed a network meta-

Name of Journal: *World Journal of Diabetes*
Manuscript NO: 66725
Manuscript Type: MINIREVIEWS
Glycemic targets in critically ill adults: A mini-review
Kay Choong See

Abstract
Illness-induced hyperglycemia impairs neutrophil function, increases pro-inflammatory cytokines, inhibits fibrinolysis and promotes cellular damage. In turn, these mechanisms lead to pneumonia and surgical site infections, prolonged mechanical ventilation, prolonged hospitalization, and increased mortality. For optimal glucose control, blood glucose measurements need to be done accurately, frequently and promptly. When choosing glycemic targets, one should keep the glycemic variability <4

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Cited by: 53 Author: Tomoaki Yatabe, Shigeaki Inoue, Masahi...
Publish Year: 2017

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