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Role of vitamin C in diabetic ketoacidosis: Is it ready for prime time?

Casillas S *et al.* Vitamin C in DKA

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Abstract

Diabetic ketoacidosis (DKA) is life-threatening acute metabolic complication of diabetes mellitus (DM) that is characterized by acidosis, ketosis, and hyperglycemia, currently affecting mostly patients under 30 years of age with diabetes mellitus type 1. In both, DM and DKA, a pro-inflammatory state exists. This clinical entity occurs as a result of hyperglycemia-induced disturbances, resulting in an increased oxidative metabolism. For the latter reason, the use of vitamin C seems promising in DKA due to its antioxidant role in reducing the superoxide radicals that are consequence of the oxidative stress. This can

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Management of diabetic ketoacidosis. - NCBI

<https://www.ncbi.nlm.nih.gov/pubmed/2504577> ▼ [翻译此页](#)

作者: TH Sanson - 1989 - 被引用次数: 21 - 相关文章

Diabetic ketoacidosis is an all too frequent and sometimes preventable ... volume status; (b) reversal of acidosis; (c) reduction of serum glucose levels; ... Efforts toward preventing diabetic ketoacidosis should be of prime importance to physician ... during minor illness and appropriate timing of physician contact to help avoid ...

缺少字词: vitamin ready

The glucose/insulin system and vitamin C: implications in insulin ...

<https://www.ncbi.nlm.nih.gov/pubmed/9550452> ▼ [翻译此页](#)

作者: JJ Cunningham - 1998 - 被引用次数: 97 - 相关文章

The cellular uptake of vitamin C (ascorbic acid, ASC) is promoted by insulin and ... from insulin replacement in insulin-dependent diabetes mellitus (IDDM) then the ... The roles of ASC as an aldose reductase inhibitor and a water soluble ...

缺少字词: ketoacidosis ready prime time

Acute vitamin C improves cardiac function, not exercise capacity, in ...

<https://dmsjournal.biomedcentral.com/articles/10.1186/s13098-018-0306-9> ▼ [翻译此页](#)

作者: RL Scalzo - 2018 - 被引用次数: 1 - 相关文章

2018年2月14日 - People with type 2 diabetes (T2D) have impaired exercise capacity, ... Acute vitamin C infusion improved diastolic function but did not ... USA) was prepared by the University of Colorado Health Pharmacy Mitral valve deceleration time with peak exercise did not change with acute vitamin C infusion (Fig.

缺少字词: ketoacidosis

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Diabetes mellitus is controlled by vitamin C treatment. - NCBI

<https://www.ncbi.nlm.nih.gov/pubmed/8193273> ▼ [翻译此页](#)

作者: M Kodama - 1993 - 被引用次数: 15 - 相关文章

Diabetes mellitus is controlled by **vitamin C** treatment. ... in abundance in endocrine cells, may play a cardinal **role** in the production of hormones. ... In the follow-up study of 3 DM patients, the effect of the **vitamin C** infusion therapy on DM ... Intravenous; Insulin/blood; Insulin/therapeutic use*; Male; Middle Aged; **Time** Factors ...

缺少字词: ketoacidosis ready prime

Management of diabetic ketoacidosis. - NCBI

<https://www.ncbi.nlm.nih.gov/pubmed/2504577> ▼ [翻译此页](#)

作者: TH Sanson - 1989 - 被引用次数: 20 - 相关文章

Diabetic ketoacidosis is an all too frequent and sometimes preventable ... (c) reduction of serum glucose levels; (d) replacement of specific electrolytes in a timely ... preventing **diabetic ketoacidosis** should be of **prime importance** to physician ...

缺少字词: vitamin ready time

Diabetic Ketoacidosis - Harvard Health

<https://www.health.harvard.edu/diseases-and.../diabetic-ketoacidosis> ▼ [翻译此页](#)

2013年1月4日 - **Diabetic ketoacidosis** is a potentially fatal complication of diabetes that ... occur when diabetes is not treated adequately, or it can occur during **times** of ... the normal chemistry of the blood and interfering with **the function** of multiple organs. Research health conditions; Check your symptoms; **Prepare** for a ...

[Full text] Effects of vitamins C and D in type 2 diabetes mellitus | NDS

<https://www.dovepress.com/effects-of-vitamins-c-and-d-in-type-2-diabetes-...> ▼ [翻译此页](#)

2015年2月10日 - An association between vitamin D and insulin resistance has been well described; however, **the role of vitamin C** and D supplementation in ...

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A client is admitted to the unit with **diabetic ketoacidosis (DKA)**. ... A nurse is **preparing** a client with type 1 diabetes for discharge. ... Increasing saturated fat intake and increasing **vitamin** supplementation wouldn't Transplanted islet cells tend to lose their ability to **function over time**, and ... There is not a **peak** in action.

Ch 51-52 Endocrine DO 27 questions Flashcards | Quizlet

<https://quizlet.com/.../ch-51-52-endocrine-do-27-questions-flash-cards/> ▾ [翻译此页](#)

DKA 2. Hyperosmolar Hyperglycemic Syndrome (HHS) AKA Hyperosmolar calories), because they are typically high in fat and lack **vitamins**, minerals, and fiber. In severe hypoglycemia, CNS **function** is so impaired that the patient needs the ... In general, the patient should cover the **time** of **peak** activity of insulin by ...

Vitamin C and Diabetes | Atkins

<https://www.atkins.com/how-it-works/library/.../vitamin-c-and-diabetes> ▾ [翻译此页](#)

A new study has added to the growing amount of research showing that **vitamin C**- as well as a high intake of vegetables and fruits- may have protective effects ...

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The glucose/insulin system and vitamin C: implications in insulin ...

<https://www.ncbi.nlm.nih.gov/pubmed/9550452> ▾ [翻译此页](#)

作者: JJ Cunningham - 1998 - 被引用次数: 97 - 相关文章

The cellular uptake of **vitamin C (ascorbic acid, ASC)** is promoted by insulin and ... from insulin replacement in insulin-dependent **diabetes** mellitus (IDDM) then the ... The **roles** of ASC as an aldose reductase inhibitor and a water soluble ...

缺少字词: ketoacidosis ready prime time

Dietary Vitamin C Intake Reduces the Risk of Type 2 Diabetes in ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5042374/> - [翻译此页](#)

作者: C Zhou - 2016 - 被引用次数: 14 - 相关文章