

Name of journal: World Journal of Diabetes

ESPS Manuscript NO: 16262

Columns: Editorial

Incretin manipulation in diabetes management

Joseph M Pappachan, AV Raveendran, Rajagopalan Sriraman

Abstract

2 Incretin-based therapies have revolutionized the medical management type 2 diabetes mellitus (T2 DM) in the 21st century. **48** Glucagon-like peptide-1 (GLP-1) suppresses appetite and gastric motility, and has trophic effects on pancreas, cardio-protective and renal effects. **1** GLP-1 analogues and dipeptidyl peptidase-4 (DPP-4) inhibitors form the incretin-based therapies. Significant reduction of hemoglobin A1c when used as monotherapy and in combination regimens, favorable effects on body weight, and low risk of hypoglycemia are their unique therapeutic benefits. Their safety and tolerability are comparable to other anti-diabetic medications. Concern about elevated risk of pancreatitis has been discarded by 2 recent meta-analyses. This article discusses the therapeutic manipulation of incretin system **62** the management of T2 DM.

12 **Key words:** Incretin hormones, incretin-based therapies, glucagon-like peptide-1 (GLP-1) analogues, dipeptidyl peptidase-4 (DPP-4) inhibitors, pancreatitis

Core tip: Development of multiple pharmaceutical agents by the manipulation of

Match Overview

Rank	Source	Words	Similarity
1	CrossCheck Pappachan, Joseph M. "Incretin-based therapies and pancreatitis risk: myth or reality". <i>Endocrine</i> , 2014.	141 words	3%
2	Internet crawled on 02-Dec-2014 www.ncbi.nlm.nih.gov	132 words	3%
3	CrossCheck Fadini, Gian Paolo, and Mauro Rigato. "Comparative effectiveness of liraglutide in the treatment of type 2 diabetes"....	48 words	1%
4	CrossCheck "The relationship between obesity and type 2 diabetes-tr... role of gut factors". <i>International Textbook of Diabetes Mell</i>	27 words	1%
5	CrossCheck Vilsboll, T. "The spectrum of antidiabetic actions of GLP... in patients with diabetes". <i>Best Practice & Research Clinic</i>	25 words	1%
6	CrossCheck Nicholson, G., and G. M. Hall. "Diabetes mellitus: new drugs for a new epidemic". <i>British Journal of Anaesthesia</i> , 2011	20 words	<1%
7	CrossCheck Marta Letizia Hribal. "Glucagon-like peptide-1 analogs in	19 words	<1%



网页 图片 新闻 视频 更多 ▾ 搜索工具

找到约 202,000 条结果 (用时 0.48 秒)

Google 学术: **Incretin manipulation in diabetes management**

Incretin hormone mimetics and analogues in diabetes ... - **Green** - 被引用次数: 104

Dietary fibre, glycaemic response, and diabetes - **Brennan** - 被引用次数: 202

Management of Type 2 diabetes: the role of incretin ... - **Stonehouse** - 被引用次数: 28

Management of Type 2 diabetes: the role of incretin mimetics.

www.ncbi.nlm.nih.gov/pubmed/17020435 ▾ 翻译此页

作者: AH Stonehouse - 2006 - 被引用次数: 28 - 相关文章

Management of Type 2 diabetes: the role of incretin mimetics. ... Agents that **manipulate** the physiological actions of **incretin** hormones, such as glucagon-like ...

Incretin Based Treatments :: Diabetes Education Online

dtc.ucsf.edu > ... > **Type 2 Non Insulin Therapies** ▾ 翻译此页

When you have type 2 **diabetes**, the blood sugar may be too high after a meal, even if you eat very little carbohydrate (CHO). This, in part, is due to glucagon ...

see Incretin mimetics and enhancers: mechanisms of action

www.australianprescriber.com/magazine/31/4/102/4/ ▾ 翻译此页

The **incretin** response is reduced in patients with type 2 **diabetes**, so drugs acting ... The development of drugs to **manipulate** the **incretin** system is fascinating. ... Holst JJ, Orskov C. The **incretin** approach for **diabetes treatment**: modulation of ...

[网页](#)[图片](#)[新闻](#)[视频](#)[地图](#)[更多 ▾](#)[搜索工具](#)

找到约 248,000 条结果 (用时 0.51 秒)

Google 学术: Incretin manipulation in diabetes management

Incretin hormone mimetics and analogues in diabetes ... - Green - 被引用次数: 104

Dietary fibre, glycaemic response, and diabetes - Brennan - 被引用次数: 205

Management of Type 2 diabetes: the role of incretin ... - Stonehouse - 被引用次数: 28

Management of Type 2 diabetes: the role of incretin mimetics.

www.ncbi.nlm.nih.gov/pubmed/17020435 ▾ 翻译此页

作者: AH Stonehouse - 2006 - 被引用次数: 28 - 相关文章

Management of Type 2 diabetes: the role of incretin mimetics. ... Agents that manipulate the physiological actions of incretin hormones, such as glucagon-like ...

Incretin Based Treatments :: Diabetes Education Online

dte.ucsf.edu > ... > Type 2 Non Insulin Therapies ▾ 翻译此页

When you have type 2 diabetes, the blood sugar may be too high after a meal, even if you eat very little carbohydrate (CHO). This, in part, is due to glucagon ...

see Incretin mimetics and enhancers: mechanisms of action

www.australianprescriber.com/magazine/31/4/102/4/ ▾ 翻译此页

The incretin response is reduced in patients with type 2 diabetes, so drugs acting The development of drugs to manipulate the incretin system is fascinating. ... Holst JJ, Orskov C. The incretin approach for diabetes treatment: modulation of ...