CompoS/7 Interactive Study Resource



SELF-ASSESSMENT



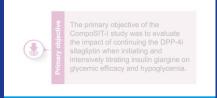
Background



Study Population



Study Objective



Study Results



CompoSIT-I Study Background



Type 2 diabetes is a progressive disease and most patients eventually intensify therapy to maintain glycemic control. [Roussel: p3A]

When initiating insulin therapy, continuation of oral AHAs is consistent with clinical practice guidelines; however, DPP-4 inhibitors (DPP-4i) are often discontinued. [Roussel: p3B, 4A]



The continued use of a DPP-4i when initiating insulin glargine therapy has theoretical advantages:



- Overall improvement of glycemic control due to better post-prandial glycemic control vs glargine alone
- Less hypoglycemia due to lower insulin doses and the glucagonotropic effects of glucose-dependent insulinotropic peptide (GIP) during hypoglycemia.

[Roussel: p3C, 4B, C]

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[DIAB-11263228-0000; p5]

CompoSIT-I Study Background



When initiating insulin therapy, continuation of oral antihyperglycemic agents is consistent with clinical practice guidelines; however, DPP-4 inhibitors are often discontinued.

[Roussel: p3B, 4A]

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- Overall improvement of glycemic control due to better post-prandial glycemic control vs glargine alone
- Less hypoglycemia due to lower insulin doses and the glucagonotropic effects of glucose-dependent insulinotropic peptide (GIP) during hypoglycemia.

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CompoSIT-I Study Background



The continued use of a DPP-4i when initiating insulin glargine therapy has theoretical advantages that may result in improvement of glycemic control due to better post-prandial glycemic control vs glargine alone as well as less hypoglycemia due to lower insulin doses and the glucagonotropic effects of glucose-dependent insulinotropic peptide (GIP) during hypoglycemia.

[Roussel: p3C, 4B, C]

post-prandial glycemic control vs glargine alone

 Less hypoglycemia due to lower insulin doses and the glucagonotropic effects of glucose-dependent insulinotropic peptide (GIP) during hypoglycemia.

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CompoSIT-I Study Objective



CompoSIT-I was designed to evaluate the efficacy and safety of continuing the DPP-4i sitagliptin when initiating and intensively titrating insulin glargine.

[Roussel: p4D]

CompoSIT-I study was a multinational, randomized, double-blind, placebo-controlled, parallel-group study to assess the effect of continuing sitagliptin at a dose of 100 mg once daily (n = 373) relative to withdrawing sitagliptin (n = 370) in patients ≥18 years of age with type 2 diabetes, eGFR ≥60 mL/min/1.73 m², and inadequate glycemic control with metformin and sitagliptin who were initiating and uptitrating insulin glargine over 30 weeks. [Roussel: p5A,B, p4E, p7A]

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[DIAB-11263228-0000; p6]



CompoSIT-I Study Objective

CompoSIT-I study was a multinational, randomized, double-blind, placebocontrolled, parallel-group study to assess the effect of continuing sitagliptin at a dose of 100 mg once daily relative to withdrawing sitagliptin was conducted in patients ≥18 years of age with T2DM, eGFR ≥60 mL/min/1.73 m², and inadequate glycemic control with metformin and sitagliptin who were initiating and uptitrating insulin glargine over 30 weeks. [Roussel: p5A,B, p4E, p7A]

sitagriptin who were initiating and uptitrating insuli glargine over 30 weeks.

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CompoSIT-I Study Population Selected Inclusion Criteria



SELECTED INCLUSION CRITERIA





- Male or female, ≥18 years of age with type 2 diabetes and eGFR ≥60 mL/min/1.73 m²
- On a stable regimen (≥12 weeks) of either:



Metformin (≥1500 mg/day IR, XR, or part of fixeddose combination) in dual combination therapy with a DPP-4i (maximum labeled dose) or a sulfonylurea, with HbA1c ≥7.5% and ≤11.0%





Metformin (≥1500 mg/day as IR, XR, or part of fixeddose combination) in triple combination therapy with a DPP-4i and a sulfonylurea, with HbA1c ≥7.0% and ≤10.0%

[Roussel p4E, p5B]

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[DIAB-11263228-0000; p7]



CompoSIT-I Study Population Selected Inclusion Criteria



Eligible patients were male or female, ≥18 years of age, with T2DM and eGFR ≥60 mL/min/1.73m², were on a stable dose of metformin (≥1500 mg/day IR, XR, or part of a fixed-dose combination) in dual combination therapy with a DPP-4i or a sulfonylurea, with an HbA1c ≥7.0% and ≤11.0%, or Metformin (≥1500 mg/day as IR, XR, or part of fixed dose combination) in triple combination therapy with a DPP-4i and a sulfonylurea, with HbA1c ≥7.0% and ≤10.0%.

a DPP-4i and a sulfonylurea, with HbA1c ≥7.0% and ≤10.0%

GLOSSARY

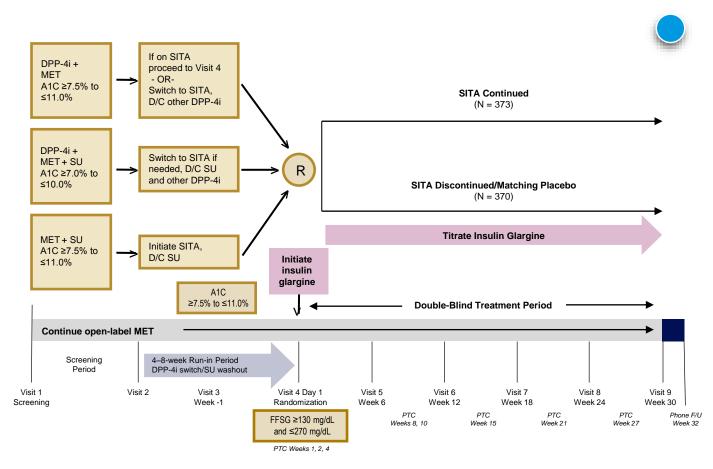
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CompoSIT-I Study Design



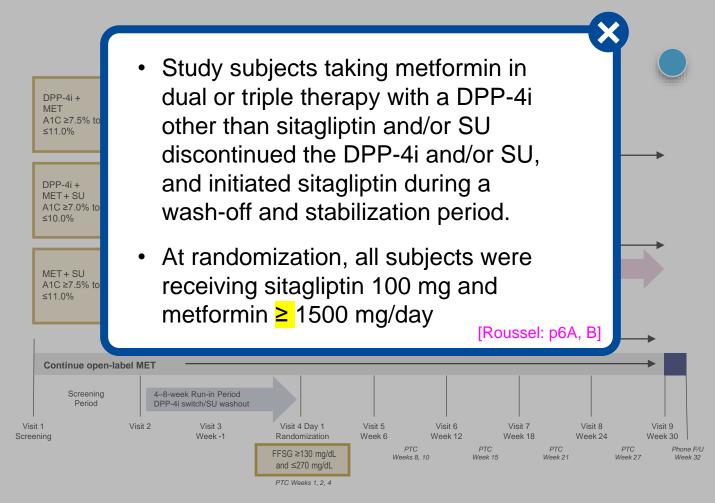
AHA=antihyperglycemic agent; DPP-4i=DPP-4 inhibitor; MET=metformin; SITA=sitagliptin D/C=discontinue; SU=sulfonylurea; R=randomization; FFSG=fasting finger-stick glucose; PTC=patient telephone contact; F/U=follow-up.

> [Roussel p30A, Fig1] **HOME**

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CompoSIT-I Study Design



AHA=antihyperglycemic agent; DPP-4i=DPP-4 inhibitor; MET=metformin; SITA=sitagliptin D/C=discontinue; SU=sulfonylurea; R=randomization; FFSG=fasting finger-stick glucose; PTC=patient telephone contact; F/U=follow-up.



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CompoSIT-I Study Interventions

Treatment	Daily Dose	Route of Administration
Sitagliptin	100 mg	Oral
Sitagliptin- matching placebo	Not applicable	Oral
Metformin ^{a,b}	≥1500 mg/day (IR, XR, or part of fixed dose combination)	Oral
Insulin glargine	Starting dose: 10 units. If, on 3 consecutive days, the before-breakfast FPG was: • >100 mg/dL, the insulin dose was increased by 2 units • >140 mg/dL, the insulin dose was increased by 4 units • ≤70 mg/dL, the insulin dose was reduced by 4 units after investigator consultation	SC

^a For subjects entering the study on a stable regimen of either IR metformin + sitagliptin or a FDC or both IR metformin + sitagliptin in dual/triple combination with a DPP-4i.

Abbreviations: FDC = fixed dose combination; IR = immediate-release; SC = subcutaneous; XR = extended-release.

[Roussel: p4E, P5B, P6A, B]



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[DIAB-11263228-0000; p9]

b For subjects entering the study on a stable regimen of either XR metformin + sitagliptin or a FDC or both XR metformin + sitagliptin in dual/triple combination with a DPP-4i.

CompoSIT-I Study Interventions

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Insulin g

- a For subject sitagliptin ir
- b For subject sitagliptin ir

Abbreviations

 All participants initiated insulin with 10 units injected on the evening of Day 1.

- Participants were instructed to target a fasting blood glucose of 72–100 mg/dL
 - If, on 3 consecutive days, the beforebreakfast fasting blood glucose was
 - >100 mg/dL, the insulin dose was increased by 2 units
 - >140 mg/dL, the insulin dose was increased by 4 units
 - ≤70 mg/dL, the insulin dose was reduced by 4 units after investigator consultation

[Roussel: p6A, B]

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CompoSIT-I Study Objectives: Efficacy, Safety & Tolerability

Primary objective

The primary objective of the CompoSIT-I study was to evaluate the effects of continuing versus discontinuing the DPP-4i sitagliptin when initiating and intensively titrating insulin glargine

[Roussel: p7A]

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[DIAB-11263228-0000; p25]



CompoSIT-I Study Objectives: Efficacy, Safety & Tolerability

The primary objective of this study was to evaluate the effect of continuing versus discontinuing the DPP-4i sitagliptin when initiating and intensively titrating insulin glargine. [Roussel: p7A]





discontinuing the DPP-4i sitagliptin when initiating and intensively titrating insulin glargine

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CompoSIT-I Study Efficacy & Safety Endpoints

Primary Endpoints

- Change from baseline in HbA1c at Week 30—evaluated for noninferiority (margin = 0.3%), superiority
- Event rate of documented symptomatic hypoglycemia (BG ≤ 3.9 mmol/L) (total number of events [including multiple events per participant] divided by the total on-treatment follow-up time)

[Roussel: p7A, p8A, B]

Secondary Endpoints

Incidences and event rates of documented hypoglycemia, with symptoms and regardless of symptoms

- · Daily insulin dose
- % of participants with HbA1c <7.0%
- % of participants with HbA1c <7.0% without any event of documented hypoglycemia (BG ≤3.9 mmol/mol)
- Fasting plasma glucose (FPG)

[Roussel: p7B]

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[DIAB-11263228-0000; p26]



CompoSIT-I Study Efficacy & Safety Endpoints

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 Change from baseline in HbA1c at Week 30—evaluated for noninferiority (margin = 0.3%), and superiority

hypoglycemia (BG ≤3.9 mmol/L) (total number of events [including multiple events per participant] divided by the total on-treatment follow-up time)

[Roussel: p7A, p8A, B]

Secondary Endpoints

Incidences and event rates of documented hypoglycemia, with symptoms and regardless of symptoms

- Daily insulin dose
- % of participants with HbA1c <7.0%
- % of participants with HbA1c <7.0% without any event of documented hypoglycemia (BG ≤3.9 mmol/mol)
- Fasting plasma glucose (FPG)

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CompoSIT-I Study Efficacy & Safety Endpoints

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 Key secondary objectives were the incidences and event rates of hypoglycemia, and the daily insulin dose

Others included the percentage of participants with HbA1c <7.0%, percentage of participants with HbA1c <7.0% without any event of documented (BG ≤3.9 mmol/mol) hypoglycemia, and fasting plasma glucose

[Roussel: p7B]

- Daily insulin dose
- % of participants with HbA1c <7.0%
- % of participants with HbA1c <7.0% without any event of documented hypoglycemia (BG ≤3.9 mmol/mol)
- Fasting plasma glucose (FPG)

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CompoSIT-I Study Baseline Demographic, Anthropometric, and Disease Characteristics

	Sitagliptin N = 373	Placebo N = 370	
Age, years	58.6 ± 9.5	58.1 ± 9.7	
Female, n (%)	203 (54.4)	180 (48.6)	
Body weight, kg	84.8 ± 19.8	85.6 ± 19.4	
BMI, kg/m ²	31.2 ± 5.8	31.1 ± 5.7	
HbA1c, %	8.8 ± 0.9	8.8 ± 1.0	
FPG, mg/dL	11.0 ± 2.8	11.12 ± 2.9	
eGFR,* mL/min/1.73 m ²	103.7 ± 30.3	106.4 ± 28.1	
Duration of T2DM, years	10.4 ± 6.8	11.1 ± 6.9	

Values are mean ± standard deviation unless otherwise noted.

Abbreviations: BMI = body mass index; FPG = fasting plasma glucose; eGFR = estimated glomerular filtration rate. *Participants with eGFR <60 mL/min/1.73 m² were excluded from the study.

[Roussel: p26A, Table1]



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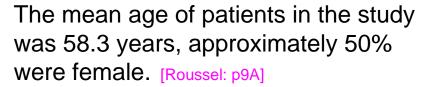




[DIAB-11263228-0000; p27]

Baseline Demographic, Anthropometric,

and Discoss Characteristics



Age, years	58.6 ± 9.5	58.1 ± 9.7
Female, n (%)	203 (54.4)	180 (48.6)
Body weight, kg	84.8 ± 19.8	85.6 ± 19.4
BMI, kg/m ²	31.2 ± 5.8	31.1 ± 5.7
HbA1c, %	8.8 ± 0.9	8.8 ± 1.0
FPG, mg/dL	11.0 ± 2.8	11.12 ± 2.9
eGFR,* mL/min/1.73 m ²	103.7 ± 30.3	106.4 ± 28.1
Duration of T2DM, years	10.4 ± 6.8	11.1 ± 6.9

Values are mean ± standard deviation unless otherwise noted.

Abbreviations: BMI = body mass index; FPG = fasting plasma glucose; eGFR = estimated glomerular filtration rate. *Participants with eGFR <60 mL/min/1.73 m² were excluded from the study.

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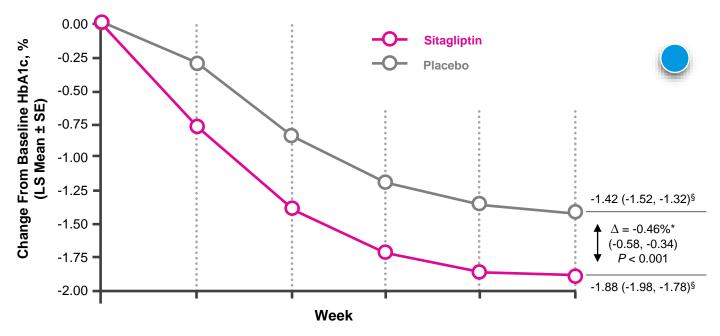
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CompoSIT-I Study Primary Endpoint: Change from Baseline HbA1c (%)



§LS mean (95% CI) change from baseline.

[Roussel: p31A, Fig2A]

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[DIAB-11263228-0000; p28]



^{*}The between-group difference (95% CI) and P value are model based.

Primary Endpoint: Change from Baseline



At Week 30, in patients with T2DM and inadequate glycemic control on metformin (≥1500 mg/day) and sitagliptin (100 mg/day), when initiating and intensively titrating basal insulin, continuing sitagliptin (n = 373) resulted in significant greater reduction from baseline in HbA1c compared to discontinuing sitagliptin (n = 370), with LS mean changes from baseline HbA1c of -1.88% with sitagliptin and -1.42% with placebo, a between-group difference of -0.46% (95% CI [-0.58, -0.34], P < 0.001).

-1.52, -1.32)§

= -0.46%* 58, -0.34) < 0.001

-1.98, -1.78)§

[Roussel: p2A, p9B, p10A]

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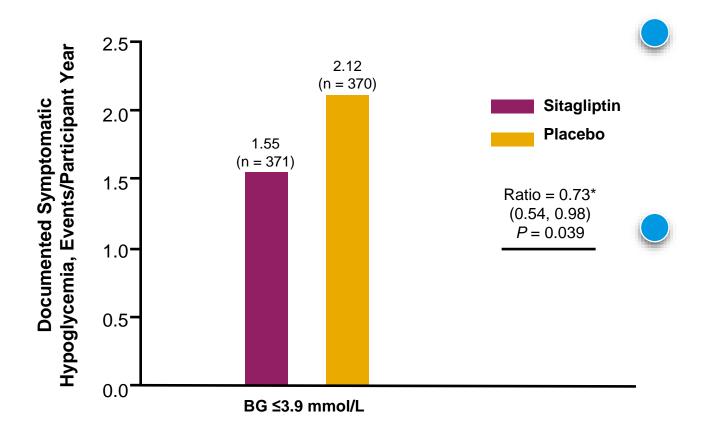




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Primary Endpoint: Documented Symptomatic Hypoglycemia Event Rates with BG ≤3.9 mmol/L over 30 Weeks



^{*}Two participants (both in the sitagliptin group) were not included in the analysis due to a missing value of a model covariate (race); in a post hoc analysis that removed race from the model (thereby allowing the 2 participants to be included), the event rate ratio was 0.76; p=0.073.

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[Roussel: P27ATable2, p10B, C]

[DIAB-11263228-0000; p29]

Primary Endpoint: Documented Symptomatic

Hyperhypemia Event Peter with PC <2.0

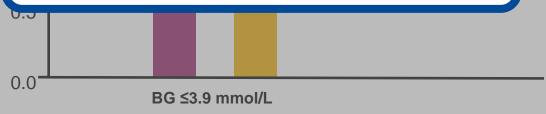
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Hypoglycemia, Events/Participant Year

Documented Symptomatic

There was no increased risk of hypoglycemia with sitagliptin. While the event rate ratio of documented symptomatic hypoglycemia with BG ≤3.9 mmol/L over 30 weeks favored sitagliptin over placebo, the result was only marginally statistically significant. All secondary endpoints related to hypoglycemia also favored sitagliptin over placebo, but none were statistically significant

[Roussel: P10B, p11C



*Two participants (both in the sitagliptin group) were not included in the analysis due to a missing value of a model covariate (race); in a post hoc analysis that removed race from the model (thereby allowing the 2 participants to be included), the event rate ratio was 0.76; p=0.073.

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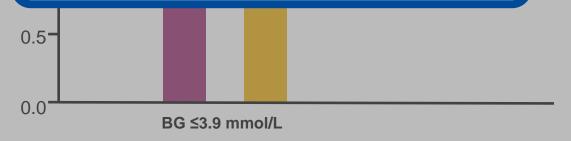


Primary Endpoint: Documented Symptomatic

Hyperhannia Event Peter with PC <2.0

The first secondary objective was the incidence of documented symptomatic hypoglycemia with BG ≤3.9 mmol/L over 30 weeks. The between-group difference was not significant, and following the prespecified ordered testing strategy, subsequent secondary endpoints were not tested for statistical significance, although nominal p-values were provided for descriptive purposes.

[Roussel: p11D]



*Two participants (both in the sitagliptin group) were not included in the analysis due to a missing value of a model covariate (race); in a post hoc analysis that removed race from the model (thereby allowing the 2 participants to be included), the event rate ratio was 0.76; p=0.073.

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Hypoglycemia, Events/Participant Year

Documented Symptomatic

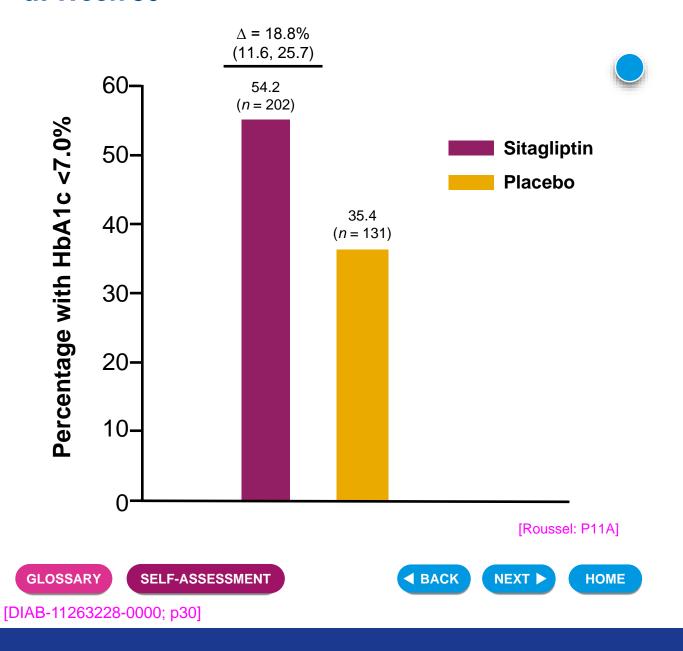
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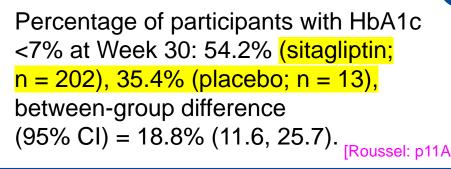


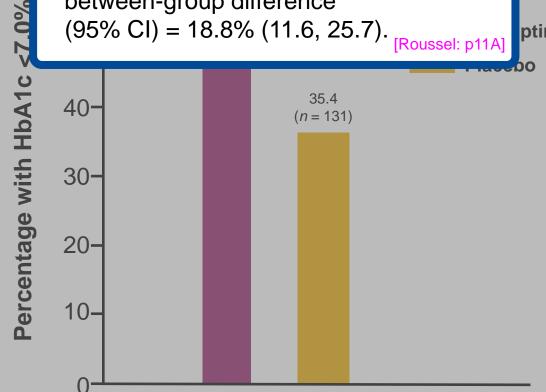


CompoSIT-I Study Percentage of Participants with HbA1c <7.0% at Week 30



Percentage of Participants with HbA1c <7.0% at Wook 20





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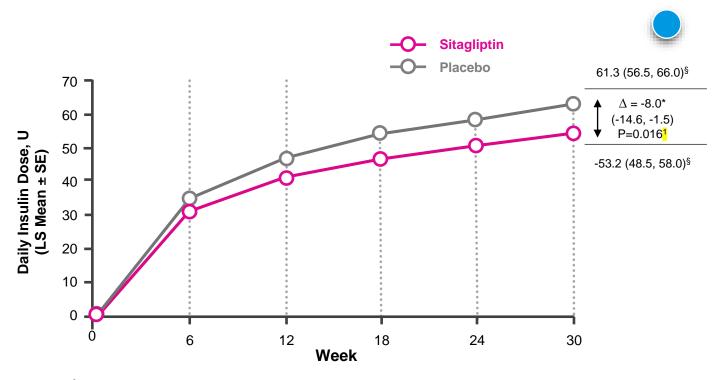
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CompoSIT-I Study Insulin Dose (Units)



§LS mean (95% CI) change from baseline.

¹This *p* value is only provided for background information (the test is only descriptive). This number should not be used as a claim in promotion.

[Roussel: p12A. p31BFig2]

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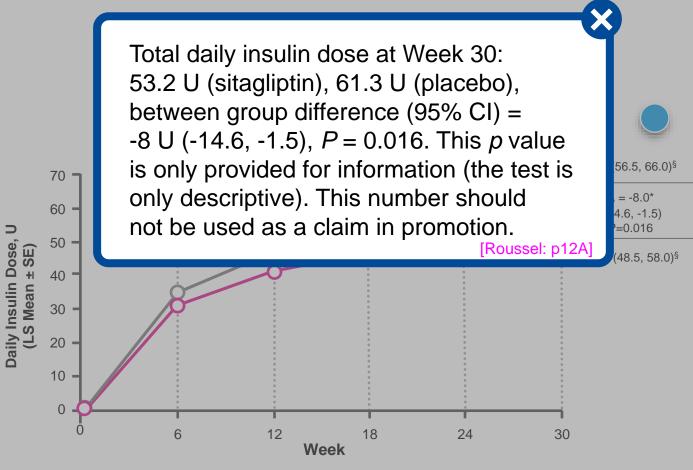




[DIAB-11263228-0000; p31]

^{*}The between-group difference (95% CI) and P value are model based.

CompoSIT-I Study Insulin Dose (Units)



§LS mean (95% CI) change from baseline.

¹This p value is only provided for background information (the test is only descriptive). This number should not be used as a claim in promotion.

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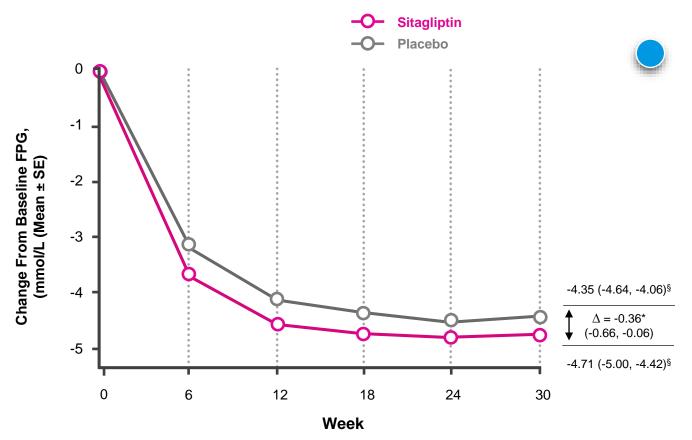
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^{*}The between-group difference (95% CI) and P value are model based.

CompoSIT-I Study Change from Baseline FPG (mmol/L)



[§]LS mean (95% CI) change from baseline.

[Roussel: P11B, p31CFig2B]

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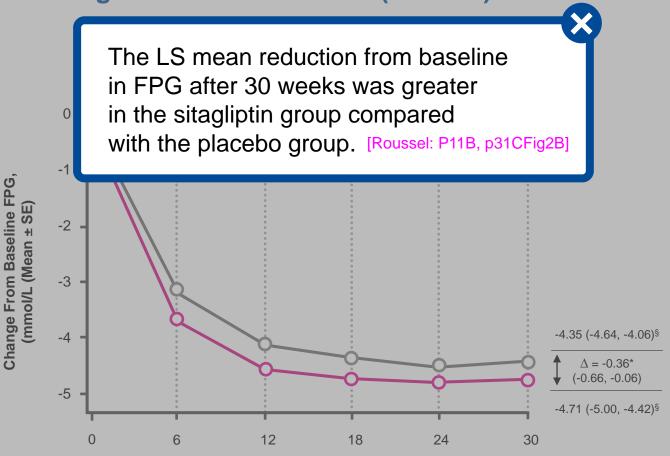


[DIAB-11263228-0000; p32]



^{*}The between-group difference (95% CI) and P value are model based.

CompoSIT-I Study Change from Baseline FPG (mmol/L)



Week

§LS mean (95% CI) change from baseline.

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^{*}The between-group difference (95% CI) and P value are model based.

CompoSIT-I Study Adverse Events (AEs)

Porticipanto n (9/)	Sitagliptin		Placebo		Differences
Participants, n (%)	N = 373	(%)	N = 370	(%)	Difference ^a
With one or more AEs	216	(57.9)	222	(60.0)	-2.1 (-9.1, 5.0)
Drug-related ^b AEs	15	(4.0)	11	(3.0)	1.0 (-1.7, 3.9)
Serious AEs	14	(3.8)	18	(4.9)	-1.1 (-4.2, 1.9)
Serious drug-related ^b AEs	0	(0.0)	0	(0.0)	0
Who died	0	(0.0)	2	(0.5)	-0.5
Discontinued study medication due to an AE	5	(1.3)	6	(1.6)	-0.3 (-2.3, 1.7)
Discontinued due to a drug-related AE	1	(0.3)	0	(0.0)	0.3
Discontinued§ due to a serious AE	0	(0.0)	2	(0.5)	-0.5
Discontinued due to a serious drug-related ^b AE	0	(0.0)	0	(0.0)	0.0

^aDifference in % vs placebo; estimate (95% CI) was computed only for AE summary and hypoglycemia endpoints with at least 4 participants having events in one or more treatment groups.

[Roussel: p28A]

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[DIAB-11263228-0000; p34]



^bAssessed by the investigator as related to study drug.

CompoSIT-I Study Adverse Events (AEs)

Parti

With Drug

Serio Serio AEs Adverse events were similar in the 2 groups (5 patients taking sitagliptin and 6 patients taking placebo discontinued due to an AE; 216 patients taking sitagliptin and 222 patients taking placebo experienced one or more AEs).

[Roussel: p28A]

Who died	0	(0.0)	2	(0.5)	-0.5
Discontinued study medication due to an AE	5	(1.3)	6	(1.6)	-0.3 (-2.3, 1.7)
Discontinued due to a drug-related ^b AE	1	(0.3)	0	(0.0)	0.3
Discontinued§ due to a serious AE	0	(0.0)	2	(0.5)	-0.5
Discontinued due to a serious drug-related ^b AE	0	(0.0)	0	(0.0)	0.0

^aDifference in % vs placebo; estimate (95% CI) was computed only for AE summary and hypoglycemia endpoints with at least 4 participants having events in one or more treatment groups.

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^bAssessed by the investigator as related to study drug.

CompoSIT-I Study Study Summary

When initiating basal insulin therapy, continuation of sitagliptin, compared with discontinuation of sitagliptin, resulted in the following key results:



- A greater reduction from baseline in HbA1c and FPG [Roussel: p2B, p10B, p11B]
- A greater percentage of subjects reached HbA1c <7.0% [Roussel: p2C]
- No increase in hypoglycemia [Roussel: p2B]
- A lower daily insulin dose [Roussel: p2C]
- Similar overall tolerability

[Roussel: p11C]



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[DIAB-11263228-0000; p35]

CompoSIT-I Study Study Summary



V C C When initiating basal insulin therapy, continuation of sitagliptin, compared with discontinuation, resulted in:

- A greater reduction from baseline in HbA1c and FPG [Roussel: p2B, p10B, p11B]
- Similar overall tolerability and similar event rates and incidences of hypoglycemia [Roussel: p12B
- A greater percentage of subjects reached HbA1c <7.0%
- No increase in hypoglycemia [Roussel: p2C]
- A lower daily insulin dose [Roussel: p2C]
- Similar overall tolerability [Roussel: p2C]

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Glossary

Double-blind study: a study in which neither the patients, the experimenter, nor any other assessor of the results, knows which participants are subject to which procedure, thus helping to ensure any biases or expectations will not influence results. [Double-blind Study - Medical Definition from MediLexicon p1A]

Hypoglycemia: symptoms resulting from low blood glucose (normal glucose range 60-100 mg/dL [3.3-5.6 mmol/L]), which are either autonomic or neuroglycopenic. Autonomic symptoms include sweating, trembling, feelings of warmth, anxiety, and nausea. Neuroglycopenic symptoms include feelings of dizziness, confusion, tiredness, difficulty speaking, headache, and inability to concentrate. [Hypoglycemia - Medical Definition from MediLexicon: p1A]

Insulin: polypeptide hormone, secreted by β cells in the islets of Langerhans, which promotes glucose use, protein synthesis, and the formation and storage of neutral lipids; available in various preparations including genetically engineered human insulin, which is currently favored. Insulin is used parenterally in the treatment of diabetes mellitus. [Insulin - Medical Definition from MediLexicon: p1A]

Placebo:

- 1. an inert substance given as a medicine for its suggestive effect.
- 2. an inert compound identical in appearance to material being tested in experimental research, which may or may not be known to the physician or patient, administered to distinguish between drug action and suggestive effect of the material under study. [Placebo - Medical Definition from MediLexicon: p1A]

SELF-ASSESSMENT





Question #1

Multiple Choice: State the two theoretical advantages of continuing the use of DPP-4i when initiating insulin glargine therapy? [Roussel: p3C]

Question #2

Fill in the blanks: Type 2 diabetes is a progressive disease and most patients eventually _____ therapy to _____ glycemic control. [Roussel: p3A]

Question #3

True or False: CompoSIT-I was designed to evaluate the efficacy and safety of discontinuing the DPP-4i sitagliptin when initiating and intensively titrating insulin glargine.

[Roussel: p4D]

Question #4

State the study design of the CompoSIT-I study.

[Roussel: p5A,B, p4E, p7A]









[DIAB-11263228-0000: 61-63]

Question #5

Fill in the blank	(s: Eligible patients	were male or female,
≥18 years of ago	e, with T2DM and e	GFR ≥60 mL/min/1.73m²,
were on a	of	(≥1500 mg/day IR, XR,
		in dual combination therapy
		h an HbA1c ≥7.0% and
		ay as IR, XR, or part of fixed
dose combination	on) in triple combina	tion therapy with a DPP-4i
and a	, with HbA1c ≥	
		[Roussel: p4E, p5B

Question #6

True or False: When initiating and intensively titrating basal insulin, continuing sitagliptin compared with discontinuing sitagliptin resulted in similar overall tolerability and lower event rates and incidences of hypoglycemia. [Roussel: p11C]

Question #7

What are the primary endpoints? [Roussel: p7B]









[DIAB-11263228-0000: p64-68, 70]

Question #8
The event rate of documented was significantly in the sitagliptin group versus the
placebo group. [Roussel: p10B] [Roussel: p12B, p10B]
Question #9
What were the key secondary endpoints of CompoSIT-I study? [Roussel: p7B] [Roussel: p28ATable3]
Question #10
True or False: No serious side effects were considered related to the study medication. [Roussel: p28Table3]
Question #11
Fill in the blanks: When initiating therapy, continuation of sitagliptin, compared with discontinuation, resulted in a clinically meaningful reduction in without an increase in [Roussel: p2B]
Question #12
In the primary analyses, what was the difference in LS mean change from baseline in HbA1c between the sitagliptin and placebo groups. [Roussel: p2A]
GLOSSARY ABACK NEXT HOME

[DIAB-11263228-0000: p69, 71-73]

Question #13

True or False: When initiating basal insulin therapy, continuation of sitagliptin, compared with discontinuation, resulted in a clinically meaningful greater reduction in HbA1c without an increase in hypoglycemia. [Roussel: p2B]

Question #14

What HbA1c level was required as part of the inclusion criteria?

[Roussel: p4E, 5B]

Question #15

Fill in the Blanks: As part of the inclusion criteria, participants had to be male or female, ____ years of age with ____ diabetes and eGFR ___ mL/min/1.73 m². [Roussel: p2B] [Roussel: p4E, p5B]

SHOW ANSWERS







[DIAB-11263228-0000: p74-76]

Self Assessment Answer Key

- 1. Overall improvement of glycemic control due to better post-prandial glycemic control vs insulin glargine alone: Less hypoglycemia due to lower insulin doses and the glucagonotropic effects of glucosedependent insulinotropic peptide (GIP) during hypoglycemia
- 2. intensify/maintain
- 3. False. CompoSIT-I was designed to evaluate the effects of continuing versus discontinuing the DPP-4i sitagliptin when initiating and intensively titrating insulin glargine
- 4. CompoSIT-I was a multinational, randomized, double-blind, placebocontrolled, parallel-group study to assess the effect of continuing sitagliptin at a dose of 100 mg once daily relative to withdrawing sitagliptin in patients ≥18 years of age with type 2 diabetes, and inadequate glycemic control who were initiating and uptitrating insulin glargine over 30 weeks.
- Stable dose/MET/DPP-4i/sulfonylurea
- 6. False. After 30 weeks, in participants with type 2 diabetes and inadequate glycemic control on metformin (≥1500 mg/day) and sitagliptin (100 mg/day), when initiating and intensively titrating basal insulin, continuing sitagliptin compared with discontinuing sitagliptin resulted in similar overall tolerability and similar event rates and incidences of hypoglycemia.

- Change from baseline in HbA1c at Week 30—evaluated for noninferiority (margin = 0.3%), superiority. Event rate of documented symptomatic hypoglycemia $(BG \le 3.9 \text{ mmol/L})$ (total number of events [including multiple events per participant] divided by the total on-treatment follow-up time)
- 8. Symptomatic/hypoglycemia/lower
- Incidences and event rates of documented hypoglycemia, with symptoms and regardless of symptoms, and daily insulin dose
- 10. True
- 11. Basal insulin/greater/HbA1c/hypoglycemia
- 12. The between-group difference in LS mean change from baseline HbA1c was -0.46% (-0.58%, -0.34%).
- 13. True
- 14. HbA1c of 7.5% to 11% for those who are on a stable regimen (≥12 weeks) of either metformin (≥1500 mg/day IR, XR, or part of fixed dose combination) in dual combination therapy with a DPP-4i (maximum labeled dose) or a sulfonylurea, 0r HbA1c of 7.0% to 10% for those who are on a stable regimen (≥12 weeks) of either metformin (≥1500 mg/day as IR, XR, or part of fixed dose combination) in triple combination therapy with a DPP-4i and a sulfonylurea.
- 15. ≥18/type 2/≥60

GLOSSARY

SELF-ASSESSMENT





