

Treatment with Oral VK2735 Results in Significant Weight Loss:



The Randomized, Placebo-Controlled, Dose-Finding, VENTURE-Oral Study

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INTRODUCTION

- In 2022, approximately 2.5 billion adults were overweight, of which 890 million were living with obesity (WHO, 2025)
- Obesity can cause weight-related co-morbidities, such as diabetes, cardiovascular disease, stroke, and liver disease
- The clinical benefits of 5% to >10% weight reduction have been demonstrated (Dhar, 2025; Tahrani, 2022)
- Activation of the glucagon-like peptide 1 (GLP-1) receptor decreases glucose, reduces appetite, lowers body weight, and improves insulin sensitivity. Activation of glucose-dependent insulinotropic polypeptide (GIP) receptors may potentiate satiety and insulin-sensitizing effects of GLP-1 receptor activation (Douros, 2025)
- VK2735 is a long-acting dual GLP-1/ GIP receptor agonist that has demonstrated significant weight reduction in a Phase 2 trial of the subcutaneous formulation (Bays, 2026)
- Orally administered VK2735 has also demonstrated promise in a Phase 1 study in healthy subjects with BMI ≥30 (Neutel, 2024)

OBJECTIVE

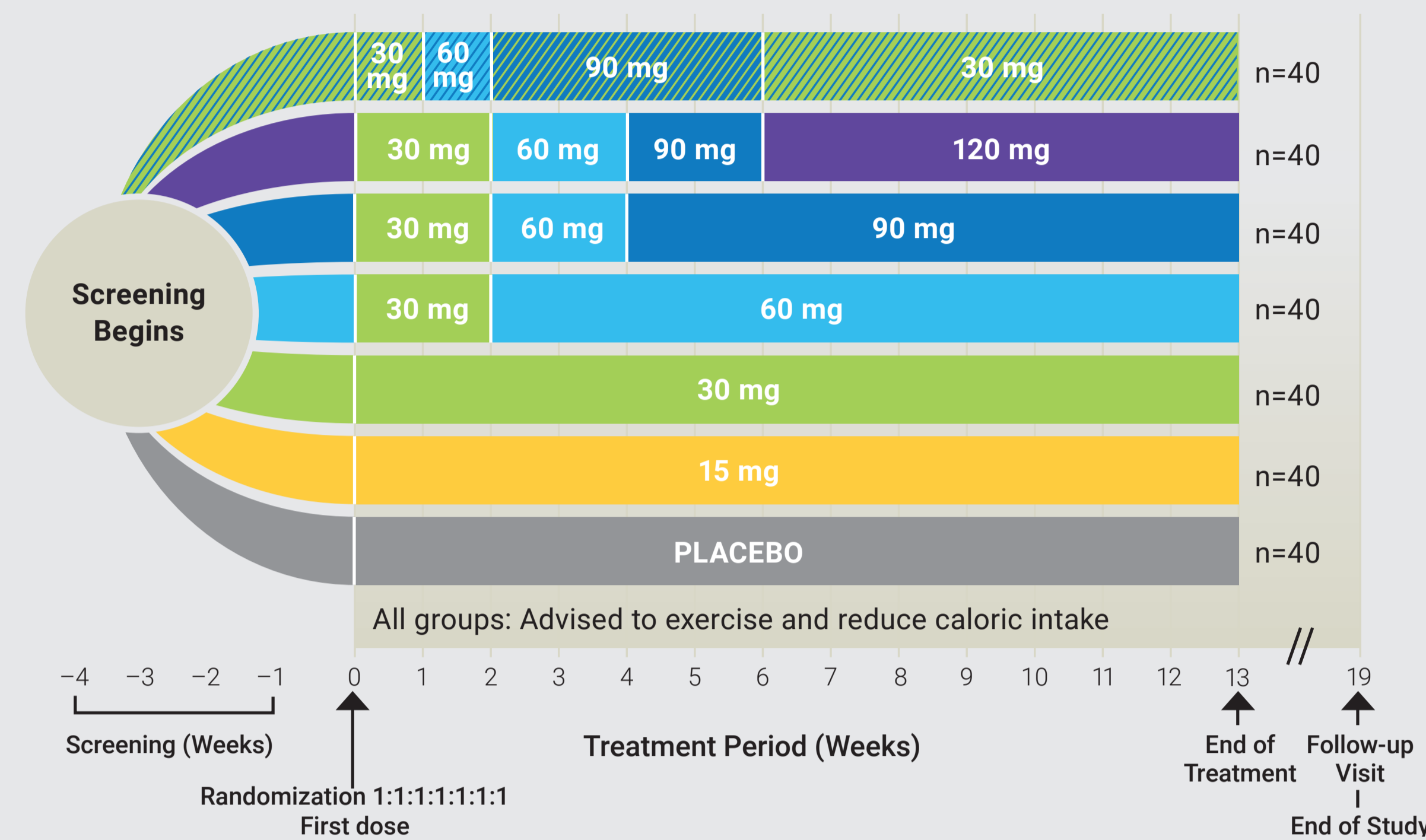
- To evaluate the safety, tolerability, and efficacy of various doses of oral VK2735 on weight reduction in adults with obesity or overweight with ≥1 weight-related comorbidity

METHODS

- VENTURE-Oral was a Phase 2, randomized, double-blind, placebo-controlled study intended to evaluate the safety, tolerability, pharmacokinetics, and weight loss efficacy of oral VK2735, administered, once daily for 13 weeks

- The trial enrolled adults with obesity (BMI ≥30 kg/m²), or overweight (BMI ≥27 kg/m²) with ≥1 weight-related comorbid condition
- The primary endpoint of the study was the percent change in body weight from baseline to Week 13 among patients treated with oral VK2735 versus placebo in the modified intent-to-treat (mITT) population
- Secondary and exploratory endpoints evaluated a range of additional safety and efficacy measures

Study Design



Baseline Demographics

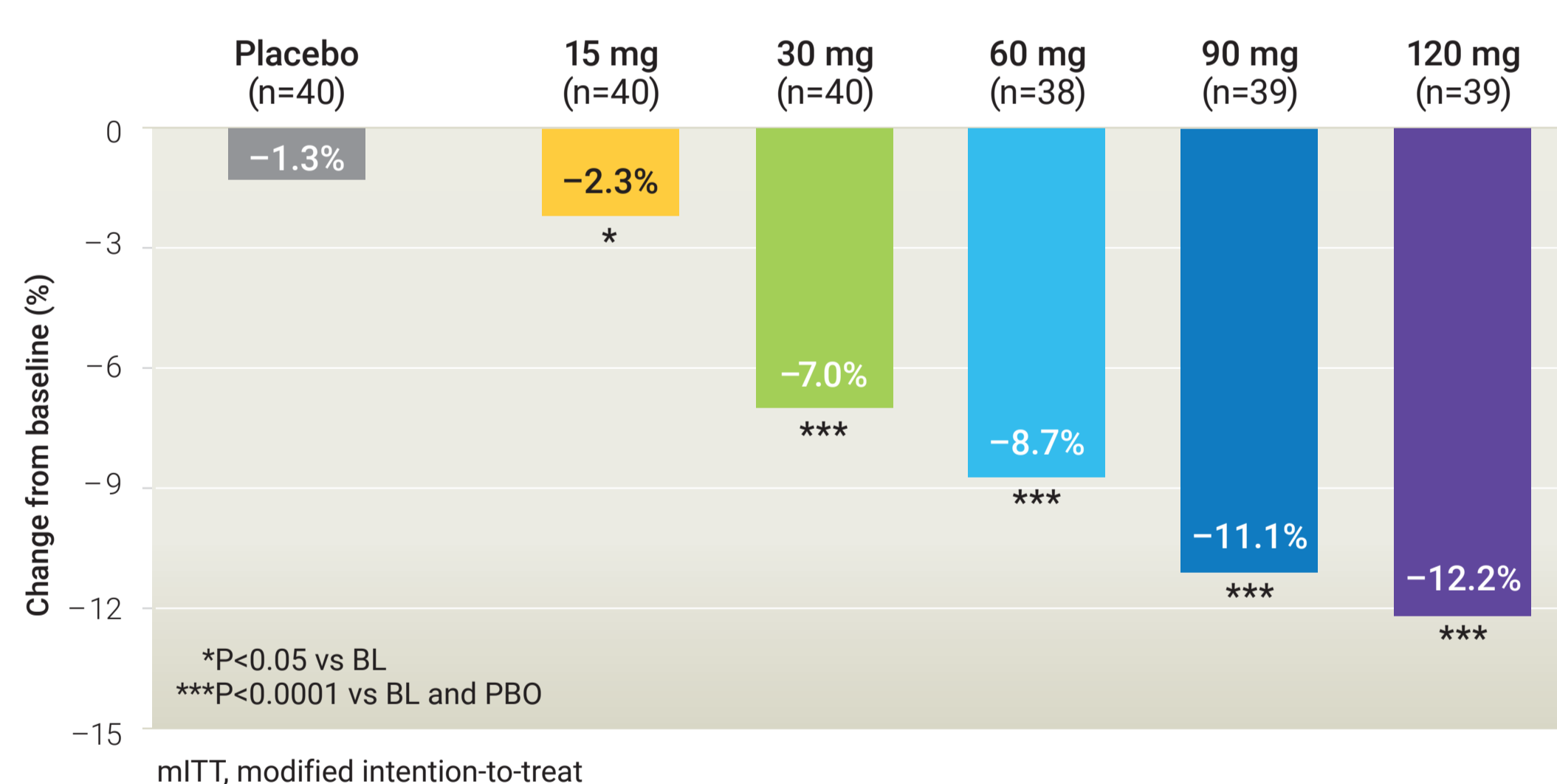
Baseline Characteristics (Safety Population)	Placebo (n=40)	15 mg (n=40)	30 mg (n=40)	60 mg (n=40)	90 mg (n=40)	120 mg (n=40)
Age, mean years	51	54	53	49	52	50
Sex, % M:F	30:70	20:80	45:55	15:85	32:68	28:72
White, %	85	80	73	68	88	83
Non-Hispanic, %	70	78	80	85	75	73
Weight, mean kg	105	99	103	103	103	102
BMI, mean kg/m ²	38	37	35	37	37	37
Prediabetes,* (%)	53	45	60	38	68	63

Abbreviations: BMI, body mass index; F, female; M, male.
*Prediabetes defined as fasting plasma glucose (FPG) 100 – 125 mg/dL or hemoglobin A1c (HbA1c) 5.7 – 6.4%.

- Majority of participants were non-Hispanic, White, female
- Mean age was 51 years for entire population, 83% of participants were <65 years

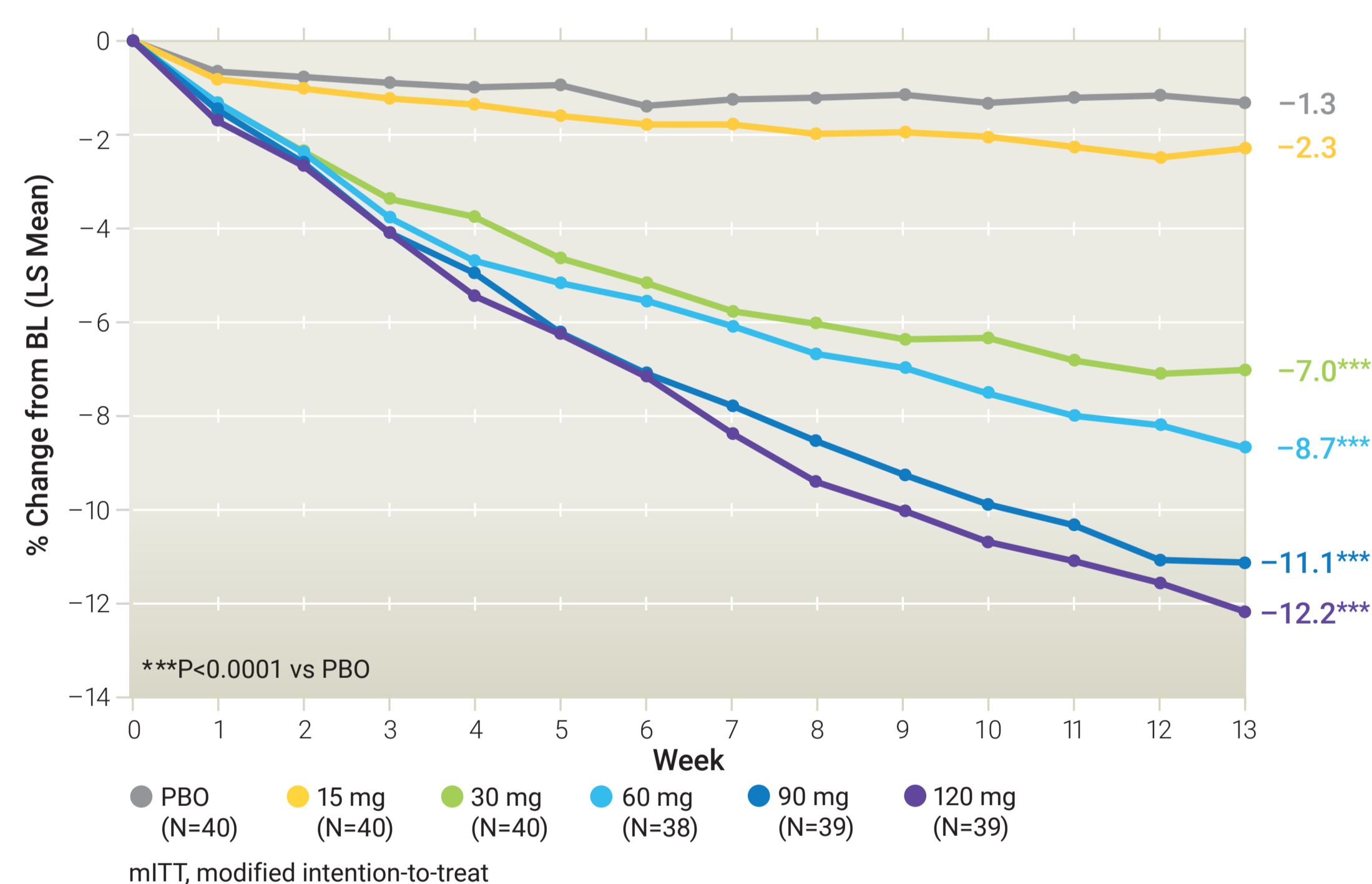
TREATMENT WITH ORAL VK2735 LED TO SIGNIFICANT WEIGHT REDUCTION FROM BASELINE AT WEEK 13

Mean percent change in body weight at week 13 (mITT)



- Primary endpoint was significantly improved versus baseline for all oral VK2735 doses at Week 13
- It was significantly improved versus placebo for all doses >15 mg
- Dose dependent effect was observed across cohorts
- 12% reduction from baseline was obtained with highest dose

Change from baseline body weight over 13 weeks (mITT)



- Progressive weight loss observed with all oral VK2735 doses >15 mg
- Dose dependent effects were observed
- All doses >15 mg resulted in significantly greater weight loss than placebo starting in Week 1 and maintained through Week 13

CONCLUSIONS

- Oral VK2735 dosed daily for 13 weeks led to progressive weight loss of up to 12.2% from baseline
- Promising tolerability, with 98% of drug related TEAS reported as mild to moderate
- Mild GI AE profile consistent with incretin axis activation; generally waned following initial exposures
- VENTURE-Oral results will inform planned Phase 3 clinical trial design

REFERENCES

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DISCLOSURES

The VENTURE-Oral study was supported by Viking Therapeutics, Inc (San Diego, CA). All authors are either principal site investigators for the VENTURE trial, and sites were given remuneration for conducting the trial, or are employees of Viking Therapeutics, Inc.



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SAFETY & TOLERABILITY

Treatment-Emergent Adverse Events (TEAEs)

Category, n (%)	Placebo (n=40)	15 mg (n=40)	30 mg (n=40)	60 mg (n=40)	90 mg (n=40)	120 mg (n=40)
TEAEs, n (%)	34 (85)	35 (88)	33 (83)	33 (83)	37 (93)	36 (90)
Treatment-related TEAEs*	27 (68)	28 (70)	30 (75)	31 (78)	37 (93)	34 (85)
Discontinued treatment early*	7 (18)	8 (20)	8 (20)	11 (28)	10 (25)	15 (38)
TEAE leading to treatment discontinuation	5 (13)	2 (5)	5 (13)	7 (18)	8 (20)	12 (30)
Drug-related TEAE leading to treatment discontinuation	3 (8)	1 (3)	5 (13)	6 (15)	8 (20)	11 (28)
Discontinued study early*	2 (5)	4 (10)	5 (13)	5 (13)	3 (8)	5 (13)
TEAE leading to study discontinuation	1 (3)	0	1 (3)	0	1 (3)	0
Drug-related TEAE leading to study discontinuation	1 (3)	0	1 (3)	0	1 (3)	0

*Three participants (pts) had drug-related SAEs: 1 pt with angioedema/urticaria in the 60 mg tx group; 1 pt with dehydration and 2 pts with nausea/vomiting in the 120 mg tx group. None led to withdrawal from study.
*Participants could discontinue treatment and remain in study.

- Among participants receiving VK2735, the majority (98%) of drug-related TEAEs were mild or moderate in severity
- TEAEs leading to study discontinuation were low and similar across study arms

Gastrointestinal (GI) Tolerability

Severity*	Placebo (n=40)	15 mg (n=40)	30 mg (n=40)	60 mg (n=40)	90 mg (n=40)	120 mg (n=40)
Any Drug-Related GI TEAE, n (%)						
Mild - Grade 1	17 (43)	18 (45)	16 (40)	18 (45)	21 (53)	18 (45)
Moderate - Grade 2	6 (15)	6 (15)	11 (28)	12 (30)	13 (33)	11 (28)
Severe - Grade 3	1 (3)	0	0	0	0	2 (5)
Most Common Individual GI TEAEs, mild / moderate / severe, % of participants						
Nausea	40/8/0	30/5/0	38/18/0	33/20/0	55/18/0	38/18/5
Constipation	13/10/0	13/10/0	10/10/0	20/10/0	33/10/0	25/3/0
Vomiting	3/8/0	5/0/0	8/8/0	18/3/0	30/5/0	15/15/5
Diarrhea	10/0/3	5/0/0	8/0/0	15/0/0	10/5/0	15/10/0

*Severity was rated by investigators using the Common Terminology Criteria (CTC) for Adverse Events 1 to 5 grading scale. There were no Grade 4/5 (life-threatening/death) drug-related TEAEs.

- The majority of GI-related TEAEs were mild or moderate in severity
- Most common TEAEs were GI related: nausea, constipation, vomiting and diarrhea (known drug class TEAEs), which substantially subsided after titration