

NEW TREATMENTS OF DIABETES: A PROMISING ALTERNATIVE TO BARIATRIC SURGERY IN OBESE PATIENTS

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Introduction

New treatments of diabetes improve global metabolic status beyond glycemic control and achieve weight reduction in many patients.

Case Reports

We described 4 case reports to show GLP-1 agonists and dapaglifozin effects on metabolism and weight in patients with type 2 diabetes and obesity.

Case 1 (Liraglutide)

48-year-old man, hypertension, type 2 diabetes and extreme obesity. Baseline Treatment enalapril 20, acetylsalicylic acid 100, metformin 850.

Case 2 (Exenatide lar)

58-year-old man, type 2 diabetes and extreme obesity. Baseline visit no treatments. After 4 and 10 months under treatment with metformin 850 and exenatide lar.

Case 3 (Lixisenatide)

52-year-old woman, hypertension, type 2 diabetes and extreme obesity. Baseline visit: Treatment metformin 850, simvastatin 20, losartan 100, atenolol 50.

Case 4 (Dapaglifozin)

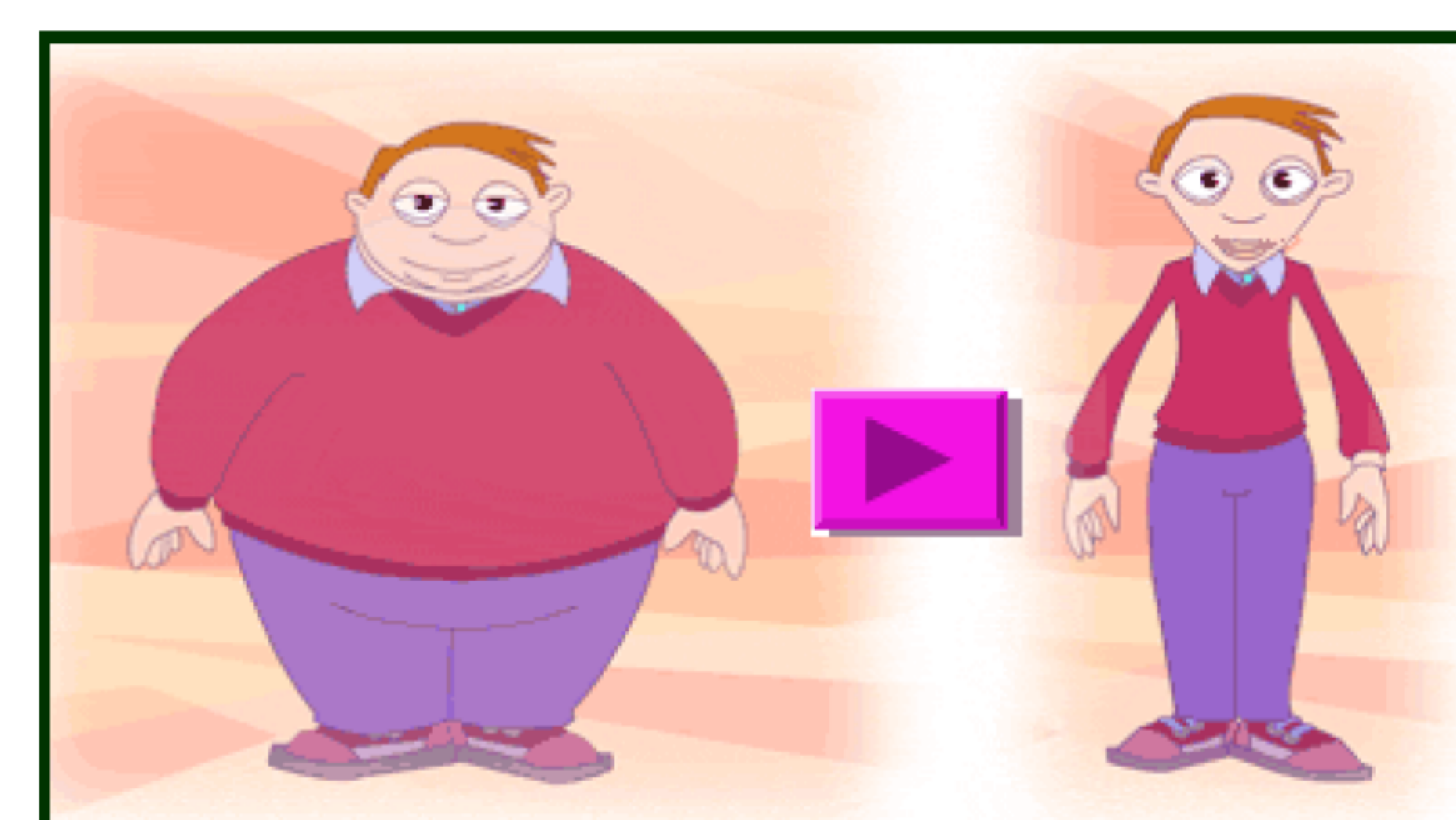
64-year-old man, type 2 diabetes, dyslipidemia and grade 1 obesity. Baseline visit: Treatment metformin 850 and simvastatin 40.

Table. Metabolism and weight evolution

	Liraglutide	Exenatide lar	Lixisenatide	Dapaglifozin
Basal Weight (Kg)	191	141	138	106
Basal BMI	60.9	50	55.4	34.2
Basal HbA1c (%)	6.6	6.7	9	8.8
Months under treatment	4	4/10	4/10	5
Weight (Kg)	158	133/127	133/125	93.6
BMI	50.4	47/44.9	47/48.8	31.8
HbA1c (%)	5.3	6/5.5	6/5.7	6.6

Conclusion

GLP-1 agonists and dapaglifozin got significant improvement of anthropometric parameters and glycemic control in patients with type 2 diabetes and obesity. They were safety and well tolerated, and could represent a promising alternative to bariatric surgery.



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