

# A Case Study: LCHF diet combined with fried food in patient with type 2 diabetes and central obesity reduces need for exogenous insulin injection



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### Biography

Cristian Baldini is a Neuroscientist MS. Researcher and an expert and professor in clinical nutrition having private CME courses or cooking courses for patients and tapping into the pharmacological properties of food.

Diabetes is a term for diabetes occurring in the context of obesity. The positive effect of LCHF diets (low carb, high fat diets) is well documented: LCHF diets are at least as effective as other dietary strategies for reducing body weight, improving glycaemic control and reducing both hyperinsulinaemia and blood glucose (reduction of HbA1c) in type 2 diabetes and have unique positive effects on blood lipid concentrations and cardiovascular risk factors<sup>1</sup>. Also, in obese insulin-resistant women, food fried in extravirgin olive oil significantly reduced both insulin and C-peptide responses after a meal<sup>2</sup>. In this case study, I show how combining both dietary strategies produces a strong effect on blood glucose, resulting in a “forced” reduction of exogenous insulin injection to avoid the problem of hypoglycaemia. Blood tests after 3 months of this dietary treatment show how HbA1c, triglycerides and blood lipid profile (LDL, HDL, total Cholesterol) are improved despite reduction of exogenous insulin injection of 80%. Also, body weight decrease of 15%. For continuous glucose monitoring (CGM) the patient used FreeStyle Libre before and after the dietary treatment. In order to check general body functions and glycosuria the patient used the urine test Multistix 10 SG Siemens.



*Predisposing Haplotypes CTLA-4 and PTPN22*

2<sup>nd</sup> World Congress on Diabetes and Endocrinology | Edinburgh, Scotland | July 31-August 01, 2020

**Citation:** Cristian Baldini, *A case study: LCHF diet combined with fried food in patient with type 2 diabetes and central obesity reduces need for exogenous insulin injection*, WDEC 2020, 2<sup>nd</sup> World Congress on Diabetes and Endocrinology, Edinburgh, Scotland, July 31-August 01, 2020, 07