Pseudo-hypertriglyceridaemia or hyperglycerolemia?

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Hyperglycerolemia is a very rare genetic disorder caused by glycerol kinase deficiency. Although usually is presented unexpectedly in routine checks, there are severe forms, especially in children. In general, glycerol and glycerol kinase activity analyses are not included in routine laboratory determination. Glycerol presents positive interferences with some biochemical analytic techniques, e.g. in serum triglycerides and plasma ethylene glycol levels assays. Here, we report a Spanish patient with a pseudo-hypertriglyceridaemia, a falsely elevated triglycerides concentration that was not corrected with lipid-lowering therapy for 3 years.

Glycerol kinase

Hyperglycerolemia

Pseudohypertriglyceridaemia

antilipemic agent

gemfibrozil

triacylglycerol

adult

article

asymptomatic disease

blood analysis

case report

cholesterol blood level

genetic disorder

glycerol blood level

human

hyperglycerolemia

hypertriglyceridemia

laboratory test

male

patient assessment

triacylglycerol blood level

Glicerol quinasa

Glycerol kinase

Hiperglicerolemia

Hyperglycerolemia

Pseudo-hipertrigliceridemia

Pseudohypertriglyceridaemia

Carbohydrate Metabolism, Inborn Errors

Ethylene Glycol

Glycerol

Glycerol Kinase

Humans

Hypertriglyceridemia

Hypolipidemic Agents

Male

Triglycerides

Young Adult