

Vildagliptin-Induced Pancreatitis: Case Presentation

Gehad Abdallah

Resident Physician, Alexandria Main University Hospital

Case report

A 55-year-old woman with type 2 diabetes mellitus presented to the emergency department complaining of abdominal pain, vomiting and fever. she had type 2 diabetes mellitus for 2 years and recently shifted to vildagliptin-metformin to control her diabetes.

Before diagnosis with diabetes, the Patient had a previous history of pancreatitis due to gallbladder stones and a cholecystectomy was done. During her hospital admission, Acute pancreatitis was confirmed radiologically with abdominal computed tomography that showed no surgical cause to the condition. Other laboratory studies were done to search for the cause of pancreatitis that showed on specific cause apart from using vildagliptin the patient stopped her oral medications and was shifted to insulin during her hospital stay. she had supportive treatment with fluid resuscitation, nutritional support and antibiotics. After resolution of the condition, the patient was discharged and advised to stop using vildagliptin. She was prescribed other oral diabetic medications

Conclusion

This case illustrates the potential association between the use of DPP4 inhibitors and the occurrence of pancreatitis and further studies are needed to find a causal relationship between both.

Also, to find whether a previous history of pancreatitis would be considered a contraindication to DPP4Is use.

Keywords

DPP4 inhibitors, Vildagliptin, Gallstone pancreatitis, Cholecystectomy, Insulin therapy, Pancreatitis risk factors,