



BACKGROUND

Immunotherapy stimulates the body's natural defenses to fight tumor cells. In the literature it's considered a safe drug; however, one of the adverse reactions described in the data sheet as uncommon is autoimmune pancreatitis

PURPOSE

- ✓ To describe two cases of pancreatitis related with immunotherapy

MATERIAL AND METHODS

- Descriptive and retrospective clinical cases.
- A literature search was conducted on the adverse effects of immunotherapy.
- Data was obtained from clinical records.
- The causality of the adverse reaction was established using the algorithm of Karch-Lasagna modified by Naranjo

RESULTS

Sixty-seven-old man
Diagnosed with non-small cell lung cancer
Palliative treatment with Nivolumab (37 cycles)

The patient complained about **abdominal pain** the following days after the infusion.



- ✓ Analytical showed an increase in amylase and lipase.
- ✓ Gastroscopy was performed, confirming the diagnosis of pancreatitis.
- ✓ Nivolumab was discontinued. Patient asymptomatic

A few weeks later, the patient arrived at the hospital complaining about **abdominal pain, nausea and vomiting**



- ✓ Analysis showed a higher increase in both enzymes
- ✓ The diagnosis of immunomediated pancreatitis was confirmed by gastroscopy.
- ✓ Enolic and lithiasic origin were ruled out, due to the absence of previous episodes

Corticotherapy was initiated, obtaining clinical and analytical improvement.

58-year-old woman
Diagnosed with poorly differentiated carcinoma of pulmonary origin
Palliative treatment with Pembrolizumab (25 cycles)

She went to the emergency room for **abdominal pain and vomiting**



- ✓ A CAT scan was performed where radiological findings compatible with pancreatitis were objectified

High-dose **steroid therapy and antibiotherapy** treatment was initiated. She was left with fluid therapy and days after she began pancreatic diet. The patient evolved favourably

After applying the **Karch-Lasagne-Naranjo** algorithm we established a probable causal relationship between immunotherapy and pancreatitis

CONCLUSION

- Immunotherapy has demonstrated efficacy and a good safety profile in Clinical Trials; however, possible adverse effects due to its use can be observed with little evidence described in the literature.
- In the event of any suspicion, it is important to notify the Official Organizations and try to establish a possible causal relationship by means of an approved test.