gutflix
GI learning, personalised

Summary

Bile acids metabolism in ICI treated cancer

Marine Fidelle

UEG Week Barcelona 2026 | Presentation

Digestive Oncology | Immunology | Hepatobiliary

October 18, 2026

The speaker presented evidence that the gut-liver axis influences immune checkpoint inhibitor efficacy through bile acid metabolism, gut dysbiosis biomarkers, and cellular trafficking mechanisms that can be targeted with microbiota-centered interventions.

KEY POINTS

- The speaker reported that antibiotic use at immunotherapy initiation was associated with decreased progression-free survival and overall survival in a meta-analysis of thousands of patients, and that patients with gut dysbiosis signatures showed worse clinical outcomes across multiple cohorts.
- A microbiota signature score (SIG1 versus SIG2 clusters) was developed as a biomarker, with SIG1 enrichment associated with decreased progression-free survival and overall survival in multiple cohorts, according to the speaker.
- The speaker stated that soluble MAdCAM-1 levels in plasma mirror intestinal expression and serve as a biomarker for gut dysbiosis, with lower levels associated with poor prognosis in non-small cell lung cancer patients receiving antibiotics.
- The speaker reported that subclinical cholestasis, defined as gamma-GT levels twice the normal range, was associated with decreased overall survival and progression-free survival independent of liver metastases in six independent cohorts across several cancer types.
- Fecal microbiota transplantation from complete responders restored immunotherapy efficacy in one-third of resistant metastatic melanoma patients in two studies reported by the speaker, with some patients achieving complete response.
- The speaker stated that in two independent clinical trials, patients who benefited from fecal microbiota transplantation were those who decreased tauro-conjugation of bile acids.

VIEW THIS CONTENT ON GUTFLIX

https://gutflix.eu/search/d/07ce9318-d150-11f1-80fa-daaa6dbee0a2

AI-generated summary

This summary was generated by an AI large language model based on the content transcript. It is for informational purposes only and should not be considered a substitute for clinical judgment. Always rely on your professional expertise and the full clinical context when making clinical decisions.