Immune checkpoint inhibitors promote colitis via the upregulation of adhesion molecules in an experimental murine model

Treating cancer patients with immune checkpoint inhibitors may cause colitis and other adverse immune events by upregulating adhesion molecules.

Methods

- Mice were treated with ICi + DSS or ISO + DSS to induce colitis.
- Mouse colons were obtained and embedded for sectioning.
- Sectioned mouse colons were placed on slides.
- Slides were stained using IHC, including an antibody to the relevant adhesion molecule (VCAM-1, E-Selectin).
- Stained slides were rated on severity (mild, moderate, or severe) based on positive signals on blood vessels or infiltration of immune cells.
- ICC was performed on FAK and PAXillin to observe phosphorylation patterns.

REFERENCES
