

Does the Gut Microbiome Influence the Efficacy of Anti-Cancer Therapeutics?

Though immune checkpoint inhibitors (ICIs) are a revolutionary anti-cancer therapy option, individual patient responses to these vary greatly



Does the composition and health of one's gut microbiome influence outcomes of ICI therapy?

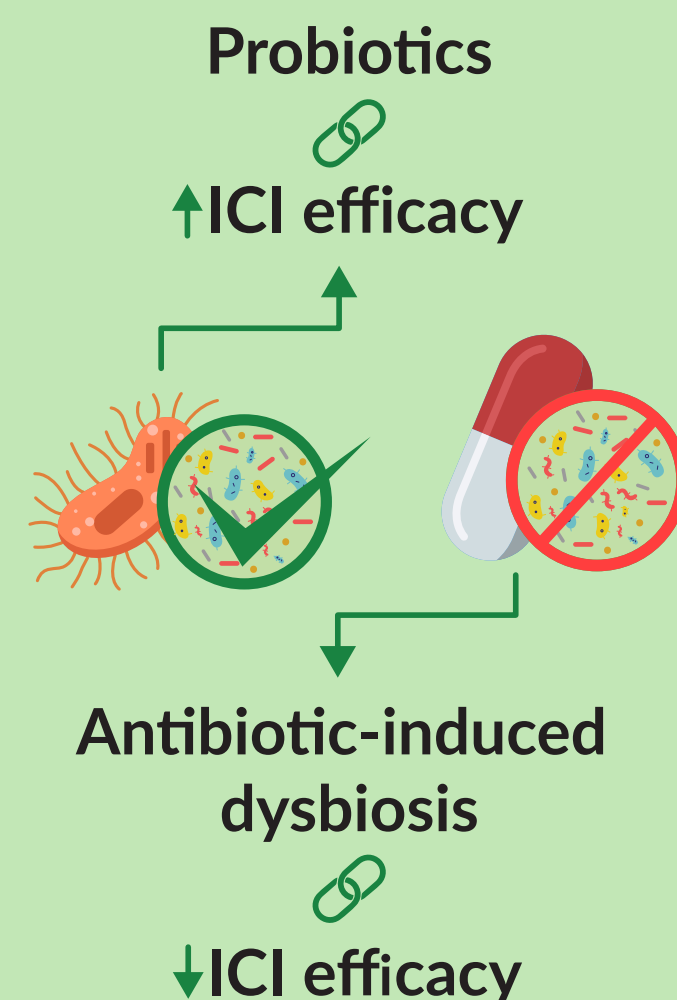
A database search using relevant keywords like:



ICI, cancer, microbiota, gut microbiome, antibiotics, fecal microbiota transplant, probiotics

Search

Revealed that the diversity of gut microbiome affects the clinical efficacy of ICIs



Favourable clinical outcomes are promoted in the presence of:

Akkermansia

Ruminococcaceae

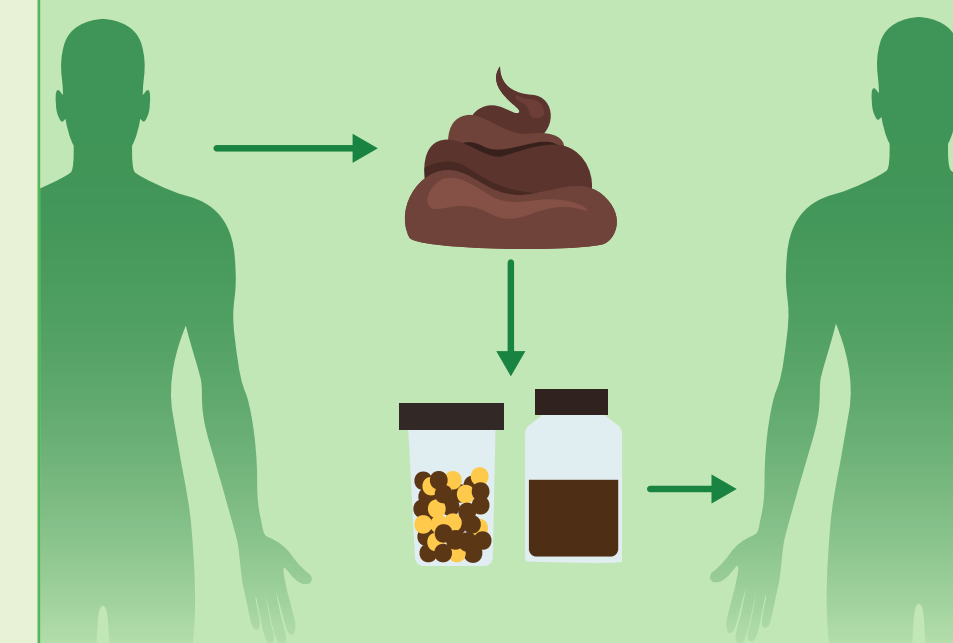
Fecalibacterium

Bacteroides

Bifidobacterium



Under investigation:
Could fecal microbiota transplantation improve the efficacy of ICIs?



Maintaining a healthy gut microbiome positively influences outcomes of ICI therapy