Fecal microbial transplantation in patients with hematologic malignancies colonized with multidrug-resistant bacteria

Fecal microbial transplantation (FMT)

- Cytotoxic conditioning regimens
- Antibiotic administration
- Allogeneic hematopoietic stem cell transplantation (allo-HSCT)

Stool from healthy donors

Multidrug-resistant bacteria (MDRB)

Restoration of the diverse microflora susceptible to antimicrobials

10 Patients diagnosed with hematologic malignancies who underwent FMT due to colonized MDRB

4 FMT before allo-HSCT

6 FMT after allo-HSCT

1 Constipation during the first 5 days after FMT

2 Grade I diarrhea

1 Gut grade III acute GVHD

7 Decolonization

10 Safe FMT

Median follow-up: 13 months (range 4-40)

Battipaglia et al., Haematologica, 2019