

Table S1. Eligibility criteria used in this study

Criteria type	Definition
Inclusion criteria	<ol style="list-style-type: none">1. Severe neutropenia: Absolute neutrophil count (ANC) <500 cells/mm³ secondary to intensive chemotherapy, hematopoietic stem cell transplantation, or primary bone marrow failure syndromes.2. Documented or clinically suspected infections that persist despite optimal antimicrobial therapy. → For bacterial infections: Persistent fever or clinical signs despite ≥48 hours of appropriate antibiotics. → For fungal infections: Longer evaluation period based on clinical judgment, imaging, or laboratory evidence.
Exclusion criteria	<ol style="list-style-type: none">1. Had incomplete or missing essential clinical data.2. Did not fulfill diagnostic criteria for severe neutropenic infection.3. Died within 24 hours of treatment initiation (GT or antimicrobial therapy), precluding evaluation of treatment response.4. Had known congenital or acquired neutrophil dysfunction syndromes, for which GT efficacy remains uncertain.