G-CSF/dexamethasone-mobilized neutrophils for transfusion purposes have a selectively impaired capacity to kill Candida yeasts, as a consequence of an altered neutrophil granular content.

**G-CSF/dexamethasone mobilized neutrophils**

- **Granule maturation**
  - X
- ROS production by the NADPH oxidase system
  - ✓
- Granule mobilization capacity
  - ✓
- Inhibition of *A. fumigatus* germination and hyphae killing
  - ✓
- C. albicans killing
  - X

**Untreated controls neutrophils**

- Purified phagosomes analysis after fusion with granules

G-CSF/dexamethasone-mobilized neutrophils have reduced levels of antimicrobial proteases, including Major Basic Protein, required for the killing of *Candida*.

Gazendam et al., Haematologica, 2016