Treat Invasive Candidiasis (IC)

Types of Treatment^{1,2}

Prophylaxis

Empiric

Pre-emptive/Targeted

Prophylaxis

Neutropenic, transplant, selected Patients with clinical signs of ICU, chemotherapy patients, as well as low-birth-weight infants (prediction scores/colonization)

Empiric

infection (especially if pretest probability of IC is >10%)

Pre-emptive/Targeted

Patients with 1 indirect marker of IC (eg, 1-3, BDG, PCR) or a confirmed infection

First-Line Targeted Treatment (with AFST)²

Non-neutropenic Patients

- **Echinocandin (strong recommendation)**
- Fluconazole (intravenous or oral) less preferred, but reasonable if patient is stable and is unlikely to be azole resistant (eg, low prevalence of non-albicans Candida)
- Lipid amphotericin B alternative option (intolerance, resistance)



Neutropenic Patients

- Echinocandin (strong recommendation)
- Lipid amphotericin B alternative option (intolerance, resistance)
- Fluconazole an option as well

Echinocandins are strongly recommended as primary treatment ^{2,3}



- Fungicidal activity
- Excellent tolerability
- Few drug-drug interactions
- Low resistance rates



AFST = antifungal susceptibility testing; BDG = beta-D-glucan; ICU = intensive care unit; PCR = polymerase chain reaction.

- 1. Zaragoza R, et al. Ther Clin Risk Manag. 2008;4:1261-1280. 2. Pappas PG, et al. Clin Infect Dis. 2016;62:e1-e50. 3. Bassetti M, et al. J Antimicrob Chemother. 2018;73:i14-i25.

This educational initiative was funded in part by a cooperative agreement with the Centers for Disease Control and Prevention (CDC-RFA-CK20-2003) to the University of Alabama at Birmingham. The University of Alabama at Birmingham is collaborating with the Mycoses Study Group Education & Research Consortium and Terranova Medica, LLC, on this initiative. The Centers for Disease Control and Prevention is an agency within the Department of Health and Human Services (HHS). The contents of this resource center do not necessarily represent the policy of CDC or HHS and should not be considered an endorsement by the Federal Government.