

EMPIRIC CHOICE

- ✦ In non-neutropenic patients: fluconazole 800 mg IV/PO once daily
 - If recent azole use or hemodynamically unstable, consider using an echinocandin
- ✦ In neutropenic patients: amphotericin B liposomal 3 mg/kg IV once daily or an echinocandin

DURATION

- ✦ Repeat blood cultures to be drawn at 48 hours after first cultures and then at day 3 and day 7 after 1st dose of antifungal therapy
Treat for at least 2 weeks from first negative blood culture UNLESS:
 - Ongoing symptoms attributable to candidemia or evidence of metastatic complications (e.g. candida retinitis)

TOP FIVE ORGANISMS

- ✦ *C. albicans*
- ✦ *C. glabrata*
- ✦ *C. parapsilosis*
- ✦ *C. tropicalis*
- ✦ *C. krusei*

CURRENT RESISTANCE ISSUES

- ✦ Echinocandins are NOT recommended for treatment of *C. parapsilosis* due to higher MIC's
- ✦ *C. glabrata* should be empirically treated with echinocandin pending susceptibilities

IMMUNOCOMPROMISED HOST CONSIDERATION

- ✦ Amphotericin B liposomal 3 mg/kg IV once daily
- ✦ Fluconazole if less critically ill and no recent azole exposure
- ✦ Duration: 2 weeks after resolution of neutropenia and last positive blood culture (and resolution of signs and symptoms of infection)
- ✦ Febrile patient with hematologic malignancy recovering from neutropenia at risk for hepato-splenic (chronic disseminated) candidiasis – a different treatment strategy is required
- ✦ Elevated liver enzymes within the first week of therapy is unlikely due to fluconazole-associated toxicity

ADDITIONAL DIAGNOSTIC AND THERAPEUTIC COMMENTS

- ✦ ID consultation is strongly recommended (ID is notified of blood cultures growing Candida at most institutions)
- ✦ Remove all intravascular devices, replace at different site if possible
- ✦ Ophthalmology assessment required to rule out ophthalmic disease within 1 week of therapy (or after count recovery in neutropenic patient)

References:

1. Pappas et al. 2009. Candidiasis. *Clin Inf Dis* 48:503
2. Disseminated candidemia. 2013. *Sanford Guide*. Antimicrobial Therapy, Inc. Sperryville, VA.