

## TREATMENT OF CONFIRMED CANDIDEMIA IN ADULTS

### ITEMS TO CONSIDER

- Consider removing catheters on a case-by-case basis.
- Consult an expert regarding the removal of prosthetic equipment (e.g., an artificial joint, an arteriovenous fistula, etc.).
- Consult an expert** as soon as invasive candidiasis or candidemia is confirmed.

- Request an ophthalmology consultation.
- Bear in mind that the echinocandins have low ocular, urinary and central nervous system penetration.
- Consider an echocardiogram if there is clinical suspicion of endocarditis.
- Consider the risk of drug interactions (e.g., "azoles").

### CULTURE POSITIVE FOR *CANDIDA SPP*

#### ANTIFUNGAL SUSCEPTIBILITY TESTING AVAILABLE

YES

THE ANTIFUNGAL IS CHOSEN ON THE BASIS OF SUSCEPTIBILITY, TOXICITY AND THE SITE OF INFECTION.

NO

*C. albicans*   *C. parapsilosis*\*\*   *C. tropicalis*   *C. dubliniensis*

*C. glabrata*   *C. krusei*

*C. auris*   Other

- If fluconazole started and patient stable:
  - Continue until susceptibility results are obtained, then adjust.
- If fluconazole started and response unsatisfactory:
  - Switch to : 1. An echinocandin\* or 2. Liposomal amphotericin B\*\* until susceptibility results are obtained, then adjust.  
(\*\*If *C. parapsilosis*: opt for liposomal amphotericin B)
- If an echinocandin or liposomal amphotericin B has been started:
  - Continue until susceptibility results are obtained.
  - \*\*If *C. parapsilosis* and response unsatisfactory with an echinocandin: amphotericin B or fluconazole.

- Echinocandins\* until susceptibility results are obtained  
**OR**
- Liposomal amphotericin B

**Consult an expert**

### De-escalation

<i>(C. glabrata)</i> If susceptible : • High-dose fluconazole • Voriconazole PO	<i>(C. krusei)</i> If susceptible : • Voriconazole PO
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### De-escalation

**Narrow the spectrum according to the susceptibility results as soon as possible.**

Transition to the oral route (usually after 5 to 7 days if the patient is stable, the strain susceptible and the blood culture negative).

Consider fluconazole IV or PO\*\*\* or voriconazole PO\*\*\* (\*\*\*excellent bioavailability).

\*The echinocandins include anidulafungin, caspofungin and micafungin.

### Duration of treatment

- Consult an expert** to determine the appropriate duration of treatment, as it is influenced by whether or not there is organ involvement and by the underlying disease.
- After removing catheters, and if there are no infectious metastatic complications (e.g., endophthalmitis or endocarditis), it is generally recommended that the patient be treated for at least 14 days after documented negative follow-up blood cultures and symptom resolution.

