

## CLINICAL CRITERIA FOR ECHINOCANDINS USE

### Indications

1. Confirmed *Candida auris* and *Candida parapsilosis* bloodstream infections if MIC is high (>1mg/l) and any candidaemia in patients with renal dysfunction: de-escalate after 5 days if susceptible to fluconazole.
2. All *Candida* spp. infections from sterile sites documented to be resistant to both fluconazole and amphotericin B and in any patient with invasive candida infection and renal dysfunction.
3. Dose adjustments may be made in consultation with microbiology and an expert clinician (May be necessary with increased MIC to echinocandins with *C. parapsilosis*, *C. guilliermondi* or *C. auris*).

#### NOTE:

- **Not recommended** for use as prophylaxis for oncology patients or post operatively.
- **Not recommended** for central nervous system (CNS), ophthalmic or renal infections

### Tests and screening

- Candida score  $\geq 3$  (surgery 1, severe sepsis which implies antibiotics as well 2, parenteral nutrition 1, candida colonisation 1)
- If positive ( $\geq 3$ ), do blood cultures and serial B-D glucan (3 times per week)

### Regimen

<b>Medicine</b>	Echinocandin (see agents below)
<b>Route</b>	Intravenous infusion
<b>Duration</b>	Duration: continue for a further 14 days from first negative blood culture in proven cases with adequate source control including removal of CVC's AND without: <ul style="list-style-type: none"> <li>• abscesses <i>or</i></li> <li>• dissemination</li> </ul>

Echinocandins are considered therapeutically equivalent at the following doses:

#### » ADULTS

Agent	Loading dose	Maintenance Dose
Anidulafungin	200mg	100mg daily
Caspofungin	70mg	50mg daily
Micafungin	100mg	100mg daily

#### » PAEDIATRICS

Agent	Loading dose	Maintenance Dose
Anidulafungin	3mg/kg	1.5mg/kg daily
Caspofungin	70mg/m <sup>2</sup>	50mg/m <sup>2</sup> daily
Micafungin	2mg/kg	2mg/kg daily

#### » NEONATES

Agent	Loading dose	Maintenance Dose
Anidulafungin	1.5mg/kg	1.5mg/kg daily
Caspofungin	25mg/m <sup>2</sup>	25mg/m <sup>2</sup> daily
Micafungin	10mg/kg	10mg/kg daily