## **Supplemental Data**

## Definitions

Primary candidemia was defined as an infection with no apparent origin that did not match any other source criteria after adequate investigation. Central venous catheter-related candidemia was defined as growth of the same species from peripheral blood culture and from a central venous catheter tip culture, or differential time to positivity  $\geq 2$  hours. We defined differential time to positivity as the difference in time for blood cultures drawn simultaneously through the central venous catheter and from a peripheral vein to become positive [1, 2]. An intraabdominal origin required clinical and radiological evidence of invasive candidiasis or a positive culture with a *Candida* species isolated from adequate samples obtained during surgery or by percutaneous aspiration [3]. Urinary tract origin was established if the same *Candida* species was isolated from a urine culture in a patient with a specific predisposing condition [4]. Other sites of infections, such as empyema and mediastinitis, were identified using the definition of the US Centers for Disease Control and Prevention and National Healthcare Safety Network [5]. Adequate source control was individualized according to the source of infection, including venous catheter with removal, abscess drainage, or surgical correction of underlying disease. Thirty-day mortality was defined as death by all causes within 30 days of the onset of candidemia.

## REFERENCES

- 1. Raad I, Hanna HA, Alakech B, Chatzinikolaou I, Johnson MM, Tarrand J. Differential time to positivity: a useful method for diagnosing catheter-related bloodstream infections. Ann Intern Med 2004;140:18-25.
- 2. Park KH, Lee MS, Lee SO, Choi SH, Sung H, Kim MN, et al. Diagnostic usefulness of differential time to positivity for catheter-related candidemia. J Clin Microbiol 2014;52:2566-72.
- 3. Bassetti M, Righi E, Ansaldi F, Merelli M, Scarparo C, Antonelli M, et al. A multicenter multinational study of abdominal candidiasis: epidemiology, outcomes and predictors of mortality. Intensive Care Med 2015;41:1601-10.
- 4. Sobel JD, Fisher JF, Kauffman CA, Newman CA. Candida urinary tract infections—epidemiology. Clin Infect Dis 2011;52(S6):S433-6.
- 5. Horan TC, Andrus M, Dudeck MA. CDC/NHSN surveillance definition of health care-associated infection and criteria for specific types of infections in the acute care setting. Am J Infect Control 2008;36:309-32.