EQUAL Candida Score 2018: An ECMM Score Derived From Current Guidelines to Measure QUALity of Clinical Candidemia Management

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Background

The EQUAL Candida Score weighs and aggregates factors recommended for the ideal management of candidemia and provides a tool for antifungal stewardship as well as for measuring guideline adherence. Current guidelines provided by the European Society for Clinical Microbiology and Infectious Diseases^{4,5} and by the Infectious Diseases Society of America³ were reviewed and the strongest recommendations for management quality selected as basis for this scoring tool.

Maximum Score

Non-CVC carriers	
Diagnosis	10
Treatment	7
Follow-up	2
Total	19

CVC carriers	
Diagnosis	10
Treatment	10
Follow-up	2
Total	22

References

1. Mellinghoff et al. Mycoses 2018; 2. Koehler et al. Mycoses 2014; 3. Pappas et al. Clin Infect Dis 2016; 4. Cuenca-Estrella et al. Clin Infect Dis 2012; 5. Cornely et al. Clin Microbiol Infect 2012; 6. Munoz et al. Diagn Microbiol Infect Dis 2017; 7. Andes et al. Clin Infect Dis 2012.

Diagnosis

Treatment

Follow-Up

Initial blood culture (40mL) 3,4

3

Species identification 3,4

3

Susceptibility testing 3,4

2

Echocardiography 3,5

1

Ophthalmoscopy 5,6

1

Echinocandin treatment 3,5

2

Step down to fluconazole depending on susceptibility result 3,5

2

Treatment for 14 days after first negative follow-up culture 3,5

2

CVC carriers*: CVC removal 3,5,7

3

≤ 24 hours from diagnosis> 24 < 72 hours from diagnosis

2

* CVC carriers receive extra points, total score thus differs in Non-CVC vs. CVC carriers

Follow-up blood culture (at least one per day until negative) 3,5

2

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