

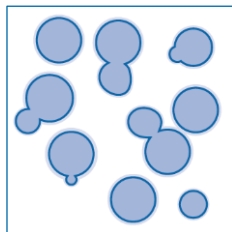
EQUAL Candida Score 2018: An ECMM Score Derived From Current Guidelines to Measure **QUALITY** of Clinical Candidemia Management

Mellinghoff SC^{1,2}, Rutz J², Köhler P^{1,2}, Cornely OA^{1,2}

¹ Department I for Internal Medicine, Excellence Center for Medical Mycology (ECMM), University of Cologne, Germany,

² CECAD Cluster of Excellence, University of Cologne, Germany

DOI: 10.4126/FRL01-006411743



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.

EQUAL Candida Score 2018 ^{1,2}

Diagnosis

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

Treatment

Echinocandin treatment ^{3,5}

3

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

3

2

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

Follow-Up

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

2



UNIKLINIK
KÖLN



European Confederation of Medical Mycology



Center of Excellence in Clinical and
Laboratory Mycology and Clinical Studies