

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

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Background

The EQUAL Mucormycosis Score 2018 weighs and aggregates factors for ideal management of mucormycosis.

EQUAL Scores reflect the strongest recommendations from current guidelines. The Score Cards are a quick reference to measure guideline adherence and to support antifungal stewardship.

| Maximum Score | | In case of isolate | In case of biopsy | In case of isolate and biopsy |
|---------------|----|--------------------|-------------------|-------------------------------|
| Diagnosis | 11 | 13 | 16 | 18 |
| Treatment | | | 8 | |
| Follow-up | | | 6 | |
| Total | 25 | 27 | 30 | 32 |

References

1. Cornely et al. *Clin Microbiol Infect* 2014; 2. Tacke et al. *Mycoses* 2014; 4. Koehler et al. *Infect Dis Clin N Am* 2015; 3. Tissot et al. *Haematol* 2017.



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EQUAL Mucormycosis Score 2018

Diagnosis

Neutropenia >10d or alloHSCT → Mould active prophylaxis

3

72-96h of persistent fever → Chest CT

3

Inversed halo

– CT/MR staging: Head, neck, abdomen

2

– Inversed halo → BAL

– Direct microscopy, preferably using optical brighteners

1

– Culture

1

– Fungal PCR (pan, *Aspergillus*, Mucorales)

1

Microbiological test results negative → Biopsy

– Tissue culture

2

– Histopathology

2

– Molecular-based tests on fresh clinical material or embedded tissue

1

Isolate grows → Identification to species level and susceptibility testing

2

1st line Treatment

Surgical debridement

2

with microscopically clear resection margins

1

L-AmB ≥5 mg/kg/d or

3

Isavuconazole with TDM or posaconazole with TDM

2

Control of risk factors: Neutropenia, hyperglycaemia, ketoacidosis, corticosteroids

2

Follow-up

CT scan on day 7

2

CT scan on day 14

2

Weekly CT scan until improvement

2