

Adequacy of systematic antifungal agents prescriptions in a teaching hospital



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J02 – Antimycotics for systematic use

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Background

Invasive fungal infections (IFI) have an important morbidity and mortality and their incidence is constantly increasing for more than twenty years due to the increase of immunocompromised patients.

The complex medical care (related to diagnostic difficulties), the expansive treatments and emerging antifungals resistances require an appropriate prescribing.

Materials and Methods

To assess the conformity of

• A prospective study was performed between April and May of 2018

• In six wards (pediatric oncology, hematology, and intensive care units)





The most common inappropriate use:

- Prescription of 2nd or 3rd-line while the 1st-line antifungal \checkmark therapy was an option (14.9%), typically by an azole
- Antifungal prophylaxis indications (9.2%), leading to \checkmark



unnecessary exposure to antifungal agents

Conclusion

Few studies to date have assessed appropriate use of antifungals. In the studies published with a similar methodology, compliance with the international guidelines has been reported to be between 34% (1) and 58% (2).

A multidisciplinary antifungal group was implemented to curb IFI and to improve the use of antifungals. In this context, guidelines were updated in the form of decision algorithms that, once adopted as a guide, should be able to improve practices (3).

References:

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