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Service (sector)  
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### **Antifungal susceptibility testing of yeast isolated from eye infections.**

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Purpose: To report antifungal susceptibility testing of yeast isolates obtained from endophthalmitis and keratitis infections.

Material and Methods: Susceptibility profile of 17 yeast strains from eye infections to amphotericin B, fluconazole, itraconazole, 5 fluorocytosine and ketoconazole was determined using the NCCLS broth microdilution assay.

Results: Most episodes of eye infections were caused by *Candida albicans*. Antifungal tested drugs exhibited MIC values against yeast isolates of 0.125-0.5 µg/ml for amphotericin B: 1.125->64.0 µg/ml fluconazole: 0.015-1.0 µg/ml for ketoconazole. Despite all *Candida* isolates were judged as susceptible to azoles, two isolates tested. *Rhodotorula rubra* was resistant to fluconazole and itraconazole.

Conclusions: Yeast isolates obtained from eye infections are usually susceptible to amphotericin B and azoles. However the variable range of MIC values obtained with different strains should be considered before determining the drug concentration used in antifungal topical formulations in order to optimize therapeutic response of eye infections.