

# Invasive candidiasis: A view to central nervous system infection

## Abstract

Candidemia is the most frequent invasive mycosis in hospitalized patients worldwide. Fungal infection in central nervous system is a life-threatening complication which aggravates patients' prognosis. This article summarizes relevant aspects on the clinical characteristics of this pathology, mechanisms of fungus invasion, local immune response to *Candida albicans* and the impact of genetic defects on innate immune receptors that increase susceptibility to the acquisition of this form of mycosis.

**Keywords:** Brain infection; Candidiasis invasora; Dectin-1 CARD9; Dectina-1 CARD9; Genetic mutations; Infección cerebral; Invasive candidiasis; Mutaciones genéticas;  $\beta$ -glucanos;  $\beta$ -glucans.

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