

ZNACZENIE *CORYNEBACTERIUM* SP. W ZAKAZENIACH SZPITALNYCH

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1. Epiderniologia zakażeń z udziałem *Corynebacterium* sp. 2. Oportunistyczne gatunki *Corynebacterium* sp. o znaczeniu klinicznym 2.1. Lipofilne gatunki *Corynebacterium* sp. 2.1.1. *Corynebacterium jeikeium* 2.1.2. *Corynebacterium urealyticum* 2.1.3. *Corynebacterium lipophiloflavum* 2.2. Nielipofine gatunki *Corynebacterium* sp. 2.2.1. *Corynebacterium xerosis* 2.2.2. *Corynebacterium minutissimum* 2.2.3. *Corynebacterium striatum* 2.2.4. *Corynebacterium amycolatum* 2.2.5. *Corynebacterium pseudodiphtheriticum* 2.2.6. *Corynebacterium afermentans*, *Corynebacterium propinquum* 3. Podsumowanie

Significance of *Corynebacterium* spp. in hospital infections

Abstract: *Corynebacterium* species are widely distributed in the environment and are prominent members of the normal skin and mucous membrane flora. These organisms are often regarded as contaminants, with little or no capacity to cause human infections. Recent evidence suggests that the nondiphtherial *corynebacteria* cause a spectrum of clinical illnesses including skin, urinary tract infections, and endocarditis, sepsis, pneumonia, osteomyelitis, endophthalmitis.

More and more often multiple resistant species are isolated, mostly *C. urealyticum*, *C. jeikeium* and *C. amycolatum*. *Corynebacterium* infections occurred mainly in patients hospitalized for a long period who are severely immunocompromised and elderly.

A certain percentage of *corynebacteria* isolated from clinical specimens still represents undescribed taxa, and make problem with identification and susceptibility testing.

However, the predominant of *corynebacteria* in material from normally sterile sites should be considered as a possible cause of disease.

This review presents the species characteristic, which can have meaning in human infections.

1. Infections epidemiology of *Corynebacterium* spp. 2. Clinical significance of opportunistic *Corynebacterium* spp. 2.1. Lipophilic *Corynebacterium* spp. 2.1.1. *Corynebacterium jeikeium* 2.1.2. *Corynebacterium urealyticum* 2.1.3. *Corynebacterium lipophiloflavum* 2.2. Non-lipophilic *Corynebacterium* spp. 2.2.1. *Corynebacterium xerosis* 2.2.2. *Corynebacterium minutissimum* 2.2.3. *Corynebacterium striatum* 2.2.4. *Corynebacterium amycolatum* 2.2.5. *Corynebacterium pseudodiphtheriticum* 2.2.6. *Corynebacterium afermentans*, *Corynebacterium propinquum* 3. Conclusions

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