

SIGNIFICANCE OF CARBONYL PROTEINS IN THE DEVELOPMENT OF ONYCHOMYCOSIS

ILINCA NICOLAE, LUCREȚIA DULGHERU, SORINA SCHIPOR

Summary

The aim of this study is the assesement of protein carbonyl groups in ageing and in patients with onychomycosis.

***Materials. Methods.** The study was performed in Dermatovenereological Center Bucharest. From all cases of onychomycosis identified in 2005, was selected a group of 95 patients, with ages between 12 and 80 years, in wich was analysed the presence/the level of oxydative stress. The reference group had 30 volunteers, with ages between 13 and 84 years.*

***Results. Conclusions.** The increase of carbonyl groups is associated with ageing, and also with the presence, the development and/or severity of an onychomycosis.*

The increase of antioxydative protection could contribute to free radicals neutralization and to potentiate antimycotic therapy.

***Key words:** onychomycosis, protein carbonyl groups, oxydative stress.*