

Wpływ glikokortykoidów na obraz zniszczeń komórek rzęsatych ucha wewnętrznego kurcząt poddanych ekspozycji na hałas szerokopasmowy

The influence of glucocorticoids on the view of chicken's inner ear damage after exposure to wide-band-noise

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Summary

The aim of the study was to assess the influence of glucocorticoids on the view of hair cell regeneration process being in the chicken's inner ear (basilar papilla - BP) after exposure to wide-band noise at the level 120 dB (A) for 48 hours. We found that glucocorticoids given during and/or after exposure to the noise have a cytoprotective activity to the hair cells, they limitate the extensiveness and decrease the dynamics of hair cells injury. We observed that new „young” hair cells reappeared at the sensory epithelium on the 7th day after the end of exposure. Regenerated hair cells have immature, short and thick cilia and small apical surface area.

Hałas i uszkodzenie ucha wewnętrznego, brodawka podstawna kurcząt, glikokortykoidy, hałas szerokopasmowy, cyto-