

# **Wpływ tlenu hiperbarycznego na obraz zniszczeń komórek rzęsatych ucha wewnętrznego kurcząt poddanych ekspozycji na hałas szerokopasmowy**

The influence of hyperbaric oxygen 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 hyperbaric oxygen on regeneration processes which take place in the inner ear (basilar papilla - BP) of chicken after exposure to wide-band noise at the level 120 dB for 48 hours. We found, that hyperbaric oxygen applied once a day after exposure to the noise restricted the extensiveness and decreased the dynamics of hair cells injury. Quantitative and qualitative differences in histological changes which take place in chick basilar papilla after exposure to hyperbaric oxygen and glucocorticoids may prove the presence of different their effectory points of acting.