

The aim of our study was to determine whether and how it changes expression and production of COX-1 and 2 in the spinal cord at different types of pain and to determine the effect of selected analgesics in the expression and production of COX-1 and COX-2 in the lumbar spinal cord in a model of inflammatory pain.

All experiments were performed in the dissertation were performed in rats. Pain was measured using the plantar test and von Freys filaments. Expression of cyclooxygenase was tested using real-time PCR analysis, while the production of COX-1 and COX-2 was measured by ELISA method.