Abstract

iMedPub Journals
http://www.imedpub.com

Journal of In Silico & In Vitro Pharmacology

2022
Vol 8. No. S 1

Why camel milk interferes with anesthesia differently in various populations?

Amirova Mahira Firudin

Azerbaijan Medical University, Azerbaijan.

Abstract

There are many conflicting statements in the literature regarding camel milk (CM)'s influence on the anesthesia duration. It is clear that there must be something common connecting these contradictory statements, and some reason for the disagreement on this issue: some data show that CM prolongs anesthesia, while other scientists state the exact opposite: that CM shortens the effect of the anesthetic. We decided to shed light on these studies by analyzing the effect of CM consumption on the efficacy of local anesthesia in different patients, dividing them into groups depending on their habit of drinking CM. Twenty patients were given local anesthesia. The first, control group consisted of medically healthy patients who did not use CM during their lifetime, while the second group had the habit of taking CM regularly. In both groups, local anesthesia was first performed without prior drinking of CM. For the second time, participants in the control and experimental groups were asked to drink CM before the anesthesia procedure. Both in the control and experimental groups, patients drank CM one hour before local anesthesia. A significant correlation was found between the use of CM and the duration of anesthesia in both groups. Consumption of CM had a different impact on the duration of local anesthesia in the experimental and control groups. When drinking milk before using analgesics in different groups, it changed exactly the opposite: it was shortened in those who usually drink milk, and lengthened in those who do not drink it daily. Thus, we found that the differences in the statements of scientists regarding the influence of CM on anesthesia is based on the fact of the different effects of CM with its one time and prolonged use. We attribute this to the suppression of the activity of the cytochrome system neutralizing both foreign compounds and nutrients entering the body with the prolonged use of CM

Key words: camel milk, cytochromes, duration of anesthesia

Received: July 06, 2022; **Accepted:** July 14, 2022; **Published:** July 20, 2022

Biography

Mahira Firudin Amirova is a teacher by profession and works at the State Azerbaijan Medical University. She has a PhD in Biology, is an Associate Professor in the Department of Biochemistry at a named university, has numerous published textbooks, is the author of 2 textbooks on biochemistry, is the editor of a textbook on "Clinical and functional biochemistry", and currently continues to actively publish her research papers. Having rich experience in teaching lecture material in biochemistry, Mahira Firudin Amirova is a highly qualified specialist and feels comfortable in almost any field of this science.

© Under License of Creative Commons Attribution 3.0 License