

BIOCHEMICAL COMPOSITION AND ANTIMICROBIAL ACTIVITIES OF OIL EXTRACT OBTAINED FROM HAMSTERS

Bijlana Bauer¹, Vesna Kostik², Svetlana Cekovska³, Gordana
Jankoska³, Ana Kocevaska³

¹*Faculty of Pharmacy, University of Ss Cyril and Methodius, Majka Tereza No 47, 1000 Skopje, Republic of Macedonia*

²*Institute of Public Health, 50 Divizija No. 6, 1000 Skopje, Republic of Macedonia*

³*Medical faculty, University of Ss Cyril and Methodius, 50 Divizija No. 6, 1000 Skopje, Republic of Macedonia*



Serbia

Montenegro

Bulgaria

Macedonia

Albania

Greece

MACEDONIA

Folk health tradition

Antic medicine and pharmacy,

St. Clement of Ohrid and St. Naum and their successors,

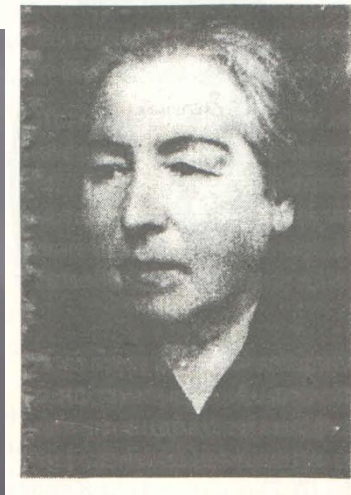
Arab and Turkish medical thought

appearance and acting of the Bogomilism

interesting
medicine from
animal origin



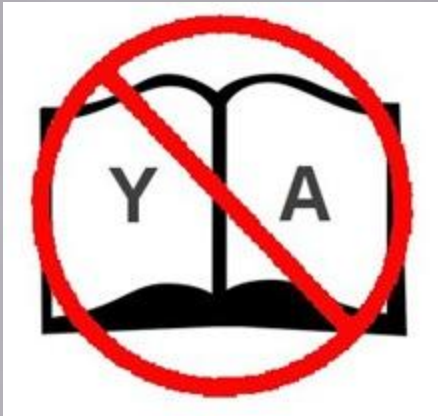
Doctor Kavaev and his
wife Elena (also
physician)



Preparation



Hamsters oil
extract was
obtained by
extraction of just
borne white
mice in
sunfloweroil



No, literature data exist about preparing and usage of this remedy prepared with just borne hamsters, in our country and other countries in the world.





The biochemical composition of the oil extract obtained from hamsters showed more than 1750 nmol/l of Cortisol and more than 70.0 nmol/l 25 hydroxycholecalciferol.



Mineral composition assay determined by electrothermal atomic absorption spectrometry after microwave digestion showed presence of 13.2 mg/kg Fe.



The results for antimicrobial activities show inhibition of bacterial growth for *Escherichia coli* and *Pseudomonas fluorescens*, and low antimicrobial action on Gram positive bacteria i.e. *Staphylococcus aureus*.

A magnifying glass with a black handle and a silver rim is positioned over the word "Conclusion". The word is written in a bold, black, sans-serif font. The magnifying glass is centered over the letters "clu", making them appear larger and more prominent than the rest of the word. The background of the image is white.

Conclusion

Discovered biochemical composition and antimicrobial activity of oil extract obtained from hamsters justify it's usage to date