

A REVIEW OF THE RESEARCH ON BARAGSHUN: A NATURAL MINERAL MEDICINE IN TRADITIONAL MONGOLIAN MEDICINE

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NEURAL CELL

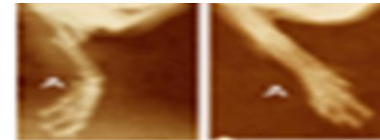
BONE FRACTURE

STRUCTURAL
DESCRIPTION

BARAGSHUN

2022 year

1997 year



Contents

- ✓ Geographic Distribution of Baragshun in Mongolia
- ✓ Mineral and Biological Activity substance of Baragshun
- ✓ Baragshun's Impact on Bone and Nerve Cells: In vivo & in vitro
- ✓ Future research directions



Introduction



BARAGSHUN MUMIE

What is use mumie?

What is mumie?

MEDICINE (veterinary & healing)

(www.mumijio.com)

NUTRITIONAL SUPPLEMENT

(www.gordonresearch.com)

BEAUTIFUL

(www.monenzyme.com)

It is found in high mountains of Asia at the altitudes of 2,000-5,000 meters as a dark brown or black resinous deposit in rock crevices. In Mongolia it is called Baragshun, but in most countries it is called mumijo (pronounced: *moo-mee-o*), mumie, mountain balsam, mountain blood - those are a few names given to this remarkable mineral - probably the only edible mineral there is with the highest bio-availability.

Major resource deposits of mumie in Mongolia



The distribution of Baragshun in Mongolia
(as noted by geologist T. Ganbaatar)



The spread of Baragshun was noted.

Methods

Preparing a sample of the baragshun



★ Baragshun was sourced from Tsagaan Burgas Bag, Khovd Soum, Khovd province, Mongolia.



Hand-picked from the rocks



Natural baragshun sample



The Baragshun research team is on its way to prepare samples.

Process purified baragshun in laboratory by traditional method



Natural baragshun



Results

Mineral content of BARAGSHUN

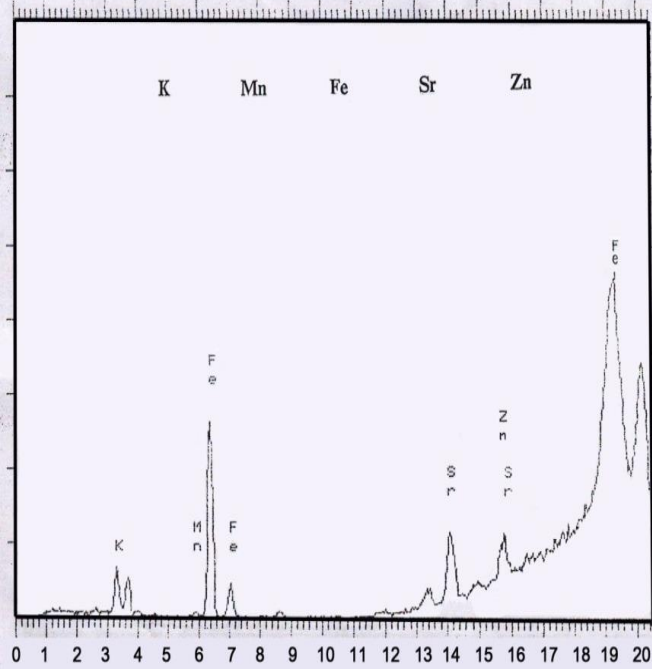
SPECTRACE INSTRUMENTS

SPECTRUM : SED2-BROWN БАРАГШУН

TUBE VOLTAGE : 30 KV
TUBE CURRENT : 0.01 mA
ATMOSPHERE : AIR

FILTER USED : THIN
LIVETIME : 200 SEC

F.S. = 2K



Спектрограмм №1
Энергийн дисперсийн рентген флуоресценцийн
Спектрометр (Spectrace-5000, USA) дээр шинжлэв

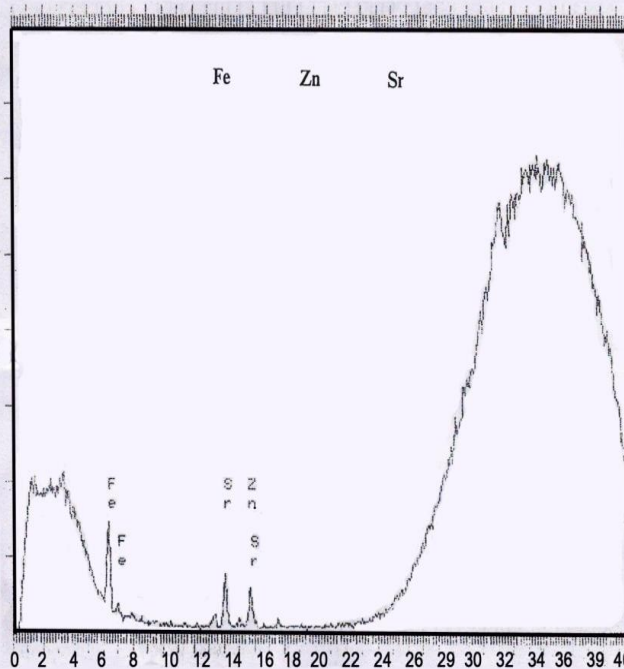
SPECTRACE INSTRUMENTS

SPECTRUM : SED2-BROWN БАРАГШУН

TUBE VOLTAGE : 45 KV
TUBE CURRENT : 0.10 mA
ATMOSPHERE : AIR

FILTER USED : SIX
LIVETIME : 200 SEC

F.S. = 512



Спектрограмм №2
Энергийн дисперсийн рентген флуоресценцийн
Спектрометр (Spectrace-5000, USA) дээр шинжлэв

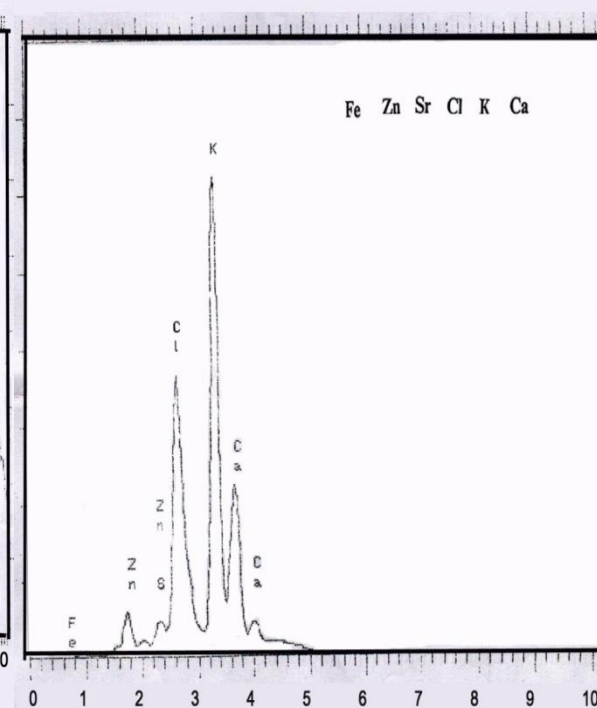
SPECTRACE INSTRUMENTS

SPECTRUM : SED2-BROWN БАРАГШУН

TUBE VOLTAGE : 5 KV
TUBE CURRENT : 0.80 mA
ATMOSPHERE : VACUUM

FILTER USED : NO FILTER
LIVETIME : 200 SEC

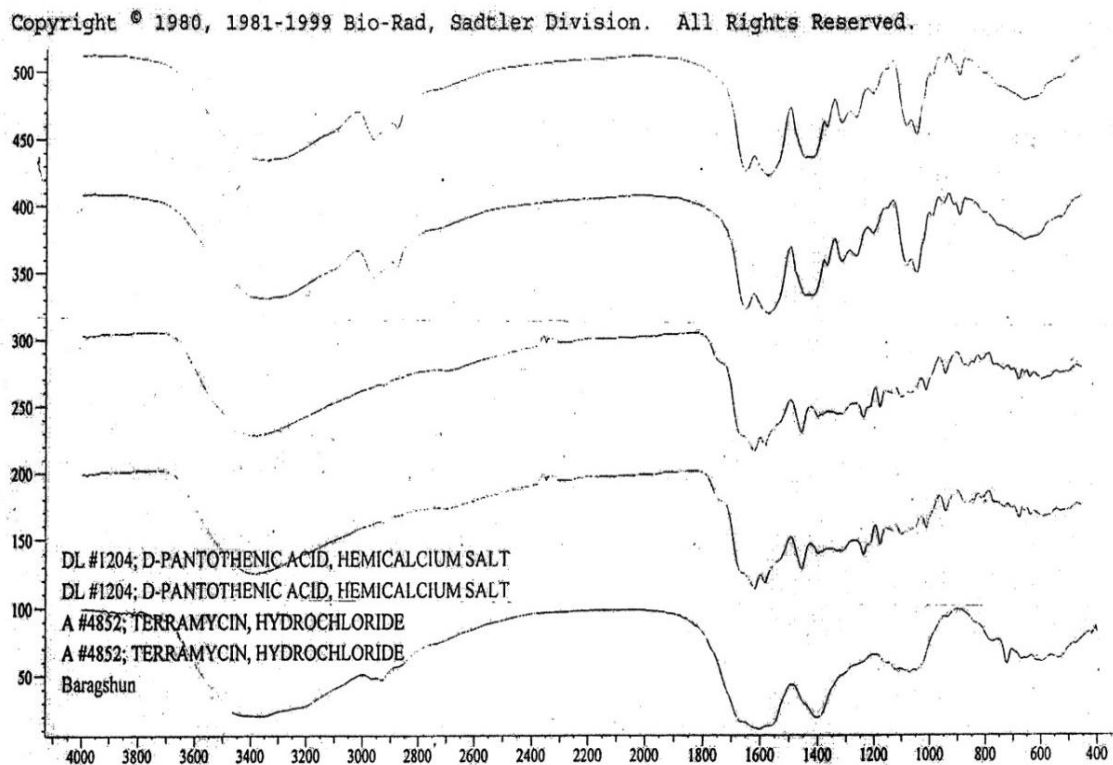
F.S. = 32K



Спектрограмм №3
Энергийн дисперсийн рентген флуоресценцийн
Спектрометр (Spectrace-5000, USA) дээр шинжлэв

Biological Activity substance of Baragshun

Spectrogram № 1.



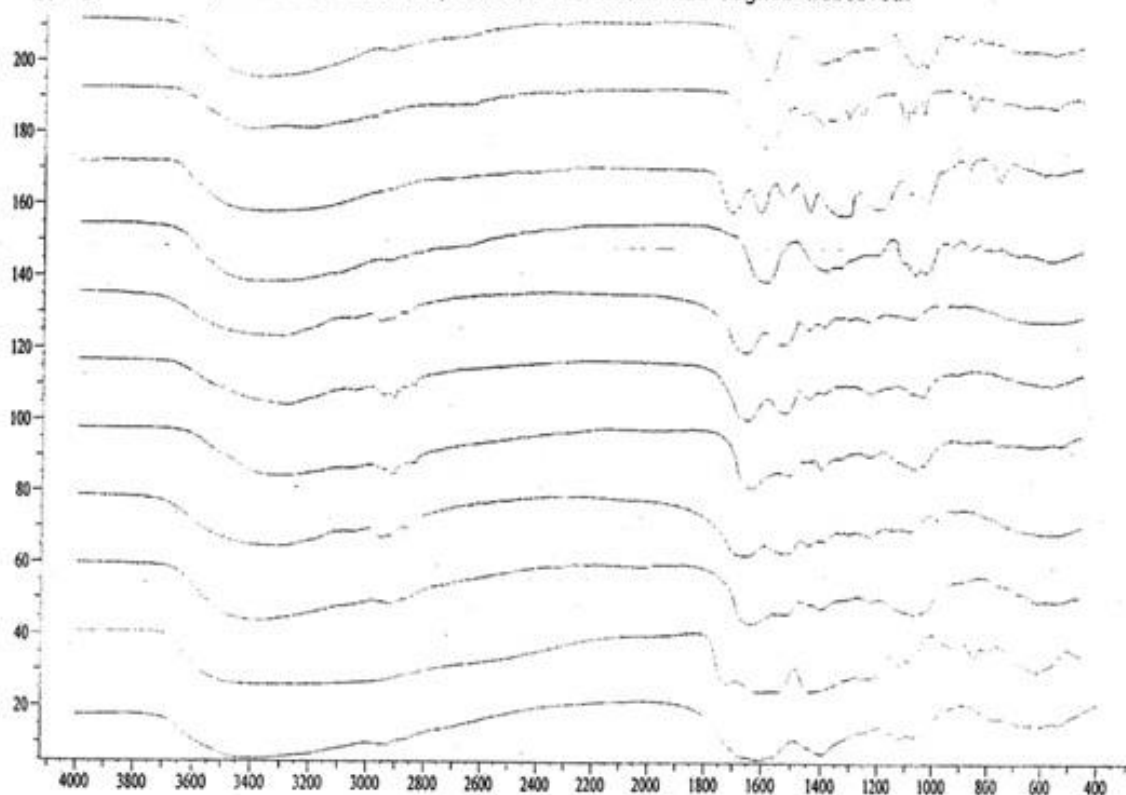
A #4852	838.64	TERRAMYCIN, HYDROCHL...	Classification: ANTIBIOTIC□□Chemical Description= OXYTETRACYCLINE HYDROCHLORIDE
A #4852	838.64	TERRAMYCIN, HYDROCHL...	Classification: ANTIBIOTIC□□Chemical Description= OXYTETRACYCLINE HYDROCHLORIDE
DL #1204	835.47	D-PANTOTHENIC ACID, HE...	
DL #1204	835.47	D-PANTOTHENIC ACID, HE...	

Oxytetracycline hydrochloride: A similar compound that inhibits bacterial growth and kills bacteria by inhibiting protein synthesis in bacterial cells.

Pantothenic Acid: Acts as a biocatalyst to stimulate the activity of beneficial bacteria in the body, supporting nutrient digestion.

Spectrogram № 2.

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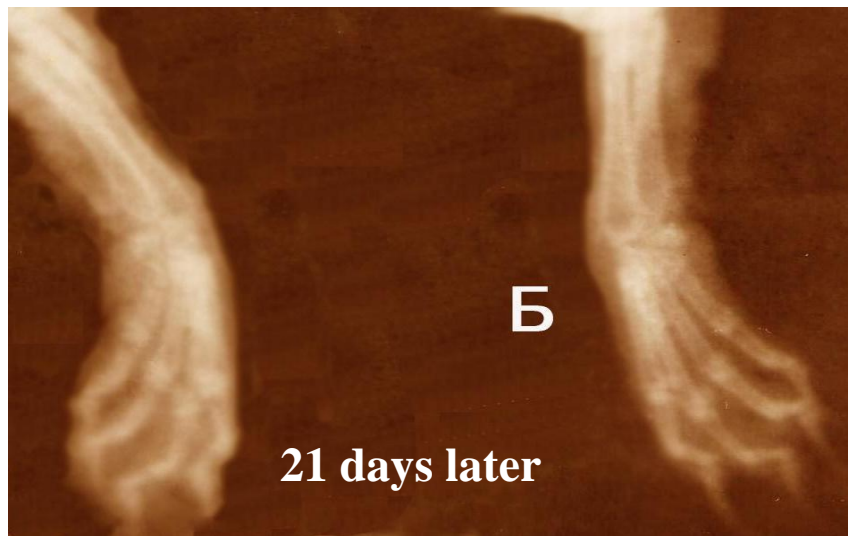
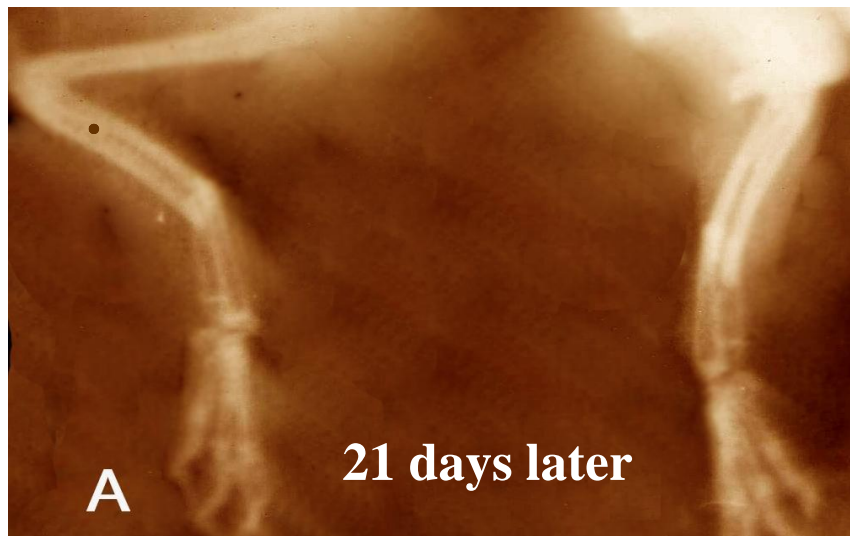
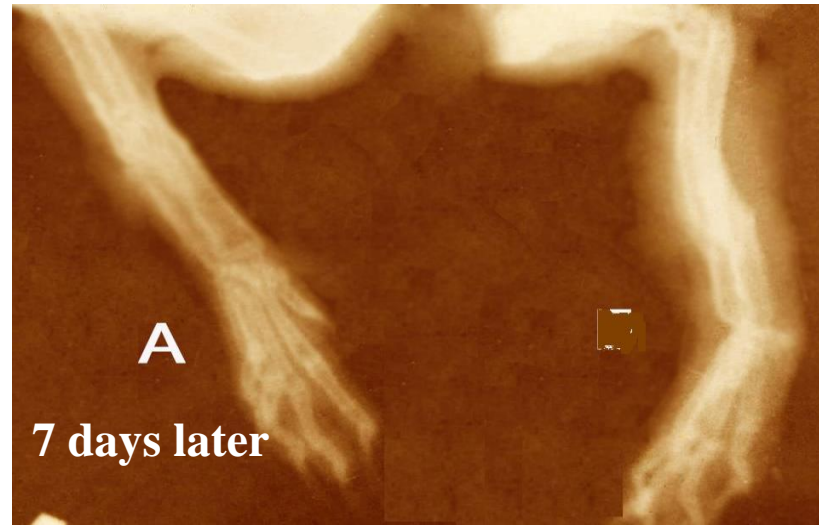
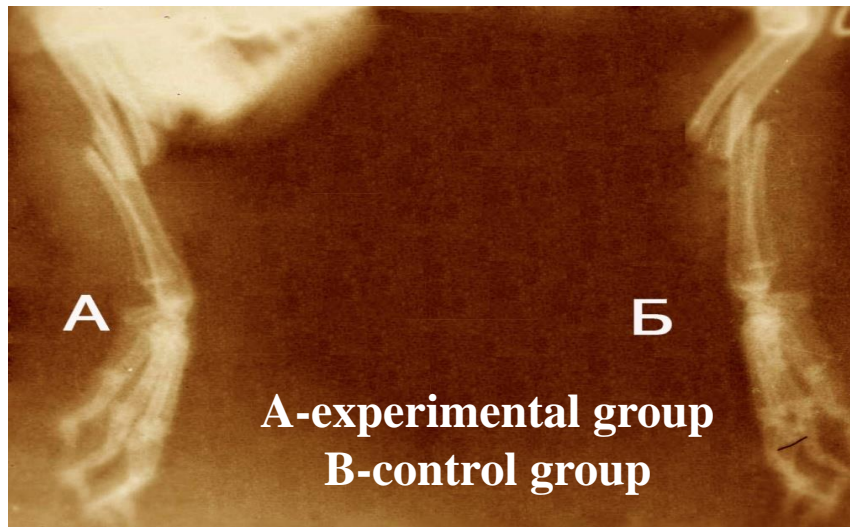
FA #522	830.53	FERRIC CITRATE	COMBINATION OF IRON AND CITRIC ACID OF INDEFINITE COMPOSITION
FA #806	812.11	PAPAIN	Chemical Description= VEGETABLE PEPSIN Description= FIRST RECOGNIZED MEMBER OF THE CLASS ...
FA #340	797.31	CALCIUM CASEINATE	GRAS FOR USE IN DIETARY SUPPLEMENTS Chemical Description= CALCIUM CASEINATE Description...
FA #805	769.26	PANCREATIN	Chemical Description= A SUBSTANCE FROM THE FRESH PANCREAS OF THE HOG OR OX, CONTAINING T...
FA #362	758.82	CASEIN	CLEARED FOR USE UNDER SECTION 200 Chemical Description= CASEIN

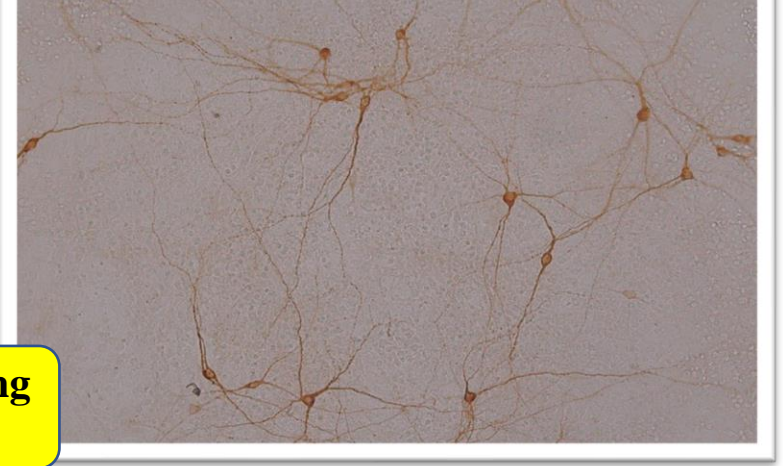
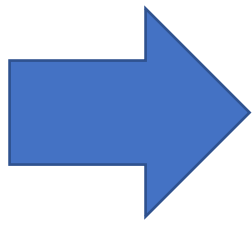
Ferric citrate: Iron enters the body in three forms: heme, plant, and dietary.

Tannic acid: It has strong astringent properties and, in solution, forms a precipitate with alkaloids, heavy metal salts, and proteinaceous substances, so it is used as an antidote in cases of poisoning by them. In addition to its astringent properties, it also has a bacteriostatic effect on the wound site.

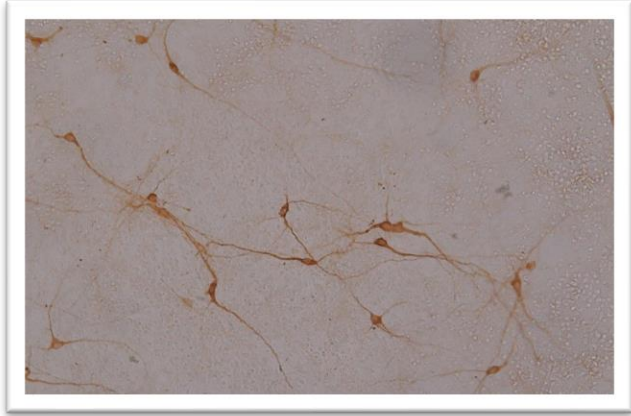
Papain: A plant-based enzyme extracted from the *Coria papaya* plant. Used for anti-parasitic and antibacterial purposes..

Calcium caseinate: Calcium is the main source of bone tissue support, and casein protein contains essential amino acids that are essential for the body.



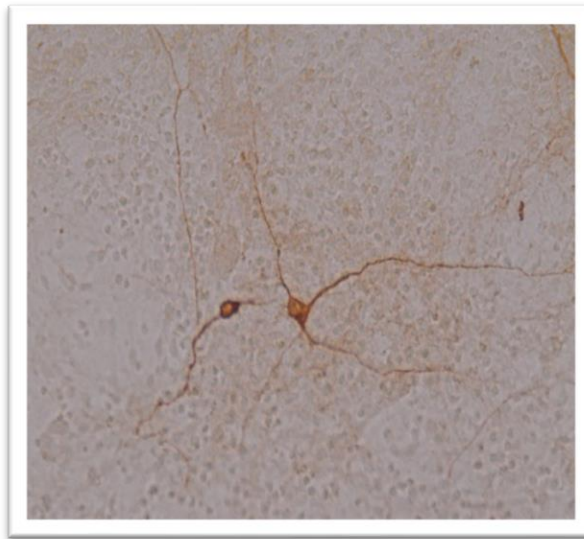


Sequence of preparation of neural cell cultures(According to the protocol of Radad et all)

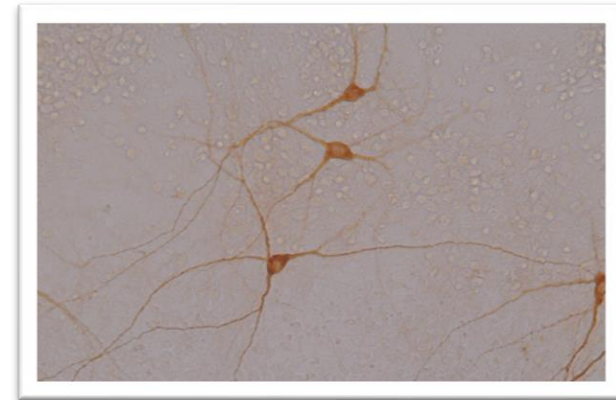


Effects on neurons at a dose of **0.01 mg/ml**

Effects on neurons at a dose of **0.1 mg/ml**



Effects on neurons at a dose of **1 mg/ml**

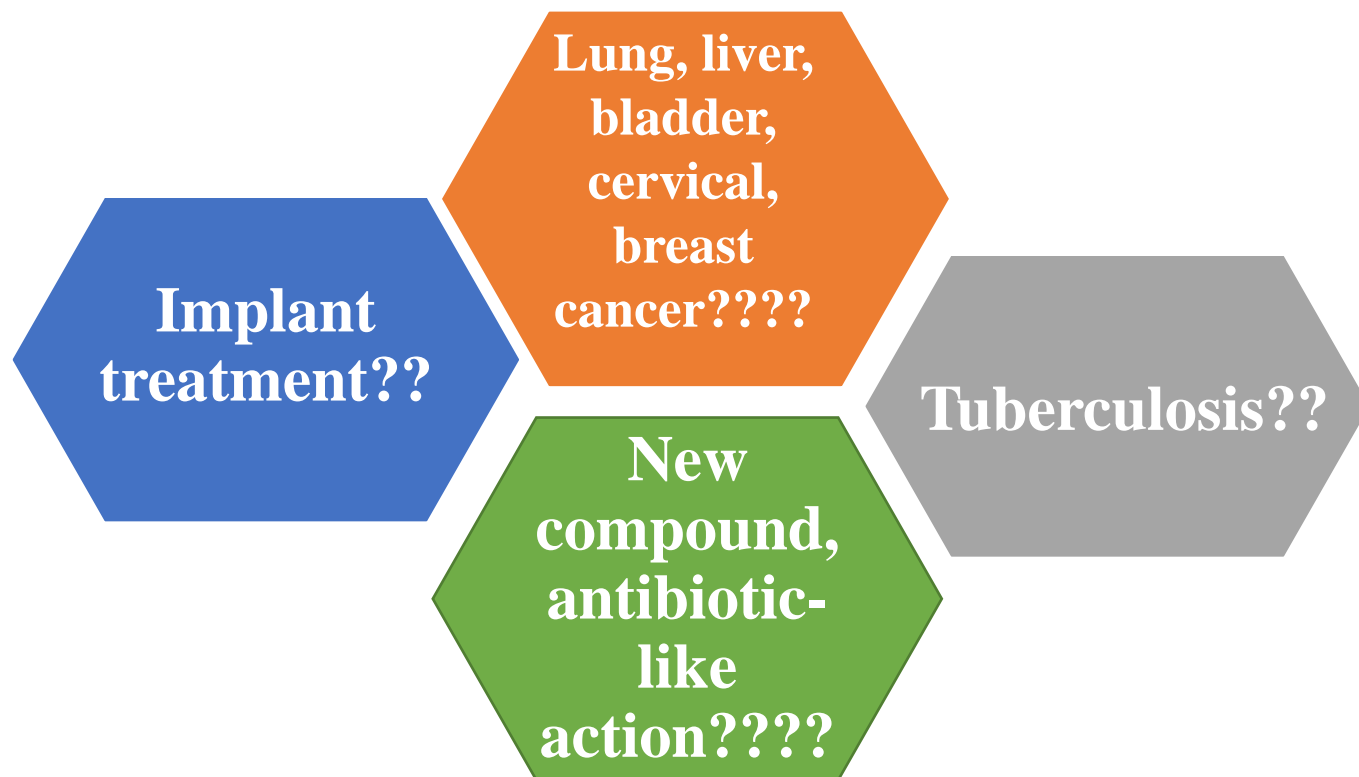


control neuron

Future research directions

We would like to work with you in the following areas:

- Advancing Research on Baragshun's Medicinal Potential
- The Need for Comprehensive Clinical Trials
- Exploring Bioavailability and Phytochemical Profiling
- Integrating Traditional Knowledge with Modern Science





THANK YOU



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