



Anti-Mites Wall Plug Device



GENERAL INFORMATION

Electronic ultrasonic anti-mite device for the home. Once inserted into a power socket, the device emits ultrasounds that are absolutely not perceptible to the human ear in a constant and continuous manner, saturating the room in which it is used. This saturation of ultrasound interferes in the life cycle of dust mites, reducing the need for feeding and therefore the desire to mate. This gives rise to a progressive reduction in the presence of mites in the environment. Ultrasounds are natural mechanical vibrations without any type of side effect, so everything happens in an ecological way without any use of harmful chemicals. The consequence of this disturbing action leads to a notable reduction in the various allergic symptoms for allergic subjects, with a consequent reduction in the use of medicines. The product has been clinically tested by allergist specialists who have demonstrated its usefulness and effectiveness.

HOW TO USE

Insert the device into a normal 230V socket. The product will automatically come into operation and at the same time emit a soft relaxing blue light acting as a night light. Every 15/20 seconds, a double flash signals the correct ultrasonic emission.

TECHNICAL DATA

- The device is tested in specialized laboratories which declare its effectiveness;
- **CE** tests for electrical safety and electromagnetic compatibility at TÜV laboratories;
- **ROHS** certificate;
- **Power supply:** 230 V / 50 Hz
- **Consumption:** 0,3 W
- **Weight:** 30 g
- **Dimensions:** 41x65x41 mm
- **Coverage volume:** ~ 60 m³

IMPORTANT: This device is not intended for use by children or people with reduced physical, sensory and mental capabilities unless they are supervised by an adult responsible for their safety.



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ULTRASOUND CLINICAL STUDY EXECUTED FROM JANUARY TO JUNE 2023

CLINICAL STUDY ON THE EFFICACY OF THE ULTRASOUND EMITTER IN PATIENTS ALLERGIC TO HOUSEHOLD DUST MITES

The study evaluated a total of 28 patients, proven allergic with "in vivo" and "in vitro" tests to house dust mites (Derm. Pteronyssinus and Derm. Farinae).

Patients showed symptoms affecting the upper and lower airways, the skin and the ocular conjunctiva.

The duration of the study was of **6 months**.

The aim of the study was to **evaluate the effectiveness of a preventive environmental acaricide treatment based on ultrasound** regarding the symptoms reported above and the use of medicines relating to the clinical manifestations of the patients.

The symptoms evaluated were: rhinorrhea, sneezing, nasal obstruction, conjunctivitis, cough, dyspnea, itching. Furthermore, the number of medicines used relating to the pathology was recorded in each patient.

The patients had been distributed randomly into two groups:

- Group to which ultrasound acaricide was supplied;
- Group to which acaricide without ultrasound emission was supplied.

The study was carried out blindly without the patients knowing in advance whether the acaricide supplied emitted ultrasound or not. Each aforementioned group was homogeneous in terms of average age and type of symptoms and was composed of 14 patients (total of 28 patients evaluated).

Each patient was provided with a monthly form where they had to enter a score daily (1 mild, 2 medium, 3 strong) for each symptom they experienced. Furthermore, the number of drugs taken for the allergic pathology was recorded daily. At the end of the study, the scores were summed for all patients belonging to the two groups and a statistical comparison was carried out for each symptom studied.

RESULTS

	Patients WITH Acaricide	Patients WITHOUT Acaricide
Rhinorrhea	720	932
Sneezing	744	812
Nasal Obstruction	400	429
Conjunctivitis	196	215
Cough	641	952
Dyspnea	419	647
Itching	222	249
Drugs	239	338



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RESULTS EVALUATION

The study first of all demonstrates the **effectiveness of a continuous home prevention treatment**, evaluated over 6 months, of a treatment with **Ultrasonic Acaricide**, regarding symptomatic patients suffering from allergy to house dust mites.

However, the statistical examination of the results shows some differences when evaluated for each individual symptom studied. In particular, the comparison between Acaricide "yes" and Acaricide "no" highlighted:

Statistically significant differences in favor of the Acaricide for:

- Rhinorrhea
- Cough
- Dyspnea
- Medicine consumption

However, the differences are not significant for:

- Sneezing
- Nasal obstruction
- Conjunctivitis
- Itching

CONCLUSIONS

The study allows us to state that the systemic use of Ultrasonic Acaricide in the prevention of dust mites significantly reduces respiratory symptoms, rhinorrhea, and the use of symptomatic drugs in patients suffering from mite allergy.

Dr. Giulio Brivio
Specialist in Allergology and Immunology

A handwritten signature in black ink, appearing to be "G. Brivio", written over the printed name and title.