

Display Settings:
Abstract
Send to:

Int Arch Allergy Immunol. 2002 Dec;129(4):348-50.

Enhancement of allergic skin wheal responses by microwave radiation from mobile phones in patients with atopic eczema/dermatitis syndrome.

Kimata H.

Source

Department of Allergy, Unitika Central Hospital, Uji, Uji City, Kyoto, Japan. unitikah@m12.alpha-net.ne.jp

Abstract

Microwave radiation from mobile phones enhanced skin wheal responses induced by house dust mite and Japanese cedar pollen while it had no effect on wheal responses induced by histamine in patients with atopic eczema/dermatitis syndrome (AEDS). Microwave radiation also increased plasma levels of substance P (SP) and vasoactive intestinal peptide (VIP) in patients with AEDS. These results indicate that microwave radiation from mobile phones may enhance allergen-induced wheal responses in association with the release of SP and VIP. This finding may be useful in elucidating the pathophysiology and treatment of AEDS.

Copyright 2002 S. Karger AG, Basel

PMID:

12483040

[PubMed - indexed for MEDLINE]

[MeSH Terms, Substances](#)

MeSH Terms

Adult

Allergens/administration & dosage

Cellular Phone*

Dermatitis, Atopic/blood

Dermatitis, Atopic/etiology

Dermatitis, Atopic/immunology*

Female

Humans

Male

Microwaves/adverse effects*

Middle Aged

Skin Tests

Substance P/blood

Substance P/secretion

Syndrome

Vasoactive Intestinal Peptide/blood

Substances

Allergens

Substance P

Vasoactive Intestinal Peptide

[LinkOut - more resources](#)

Full Text Sources

S. Karger AG, Basel, Switzerland

EBSCO

ProQuest

Other Literature Sources

Labome Researcher Resource - ExactAntigen/Labome

