

## What happens when a mosquito bites?

- 1. Mosquito bites
- 2. Saliva contains anticoagulant and proteins
- 3. Body responds with the release of histamines
- 4. Histamine causes the itchiness, inflammation and swelling
- 5. Symptoms remain typically from a few hours to a few days







#### Insect bite treatment

#### **Traditional solution: Creme**



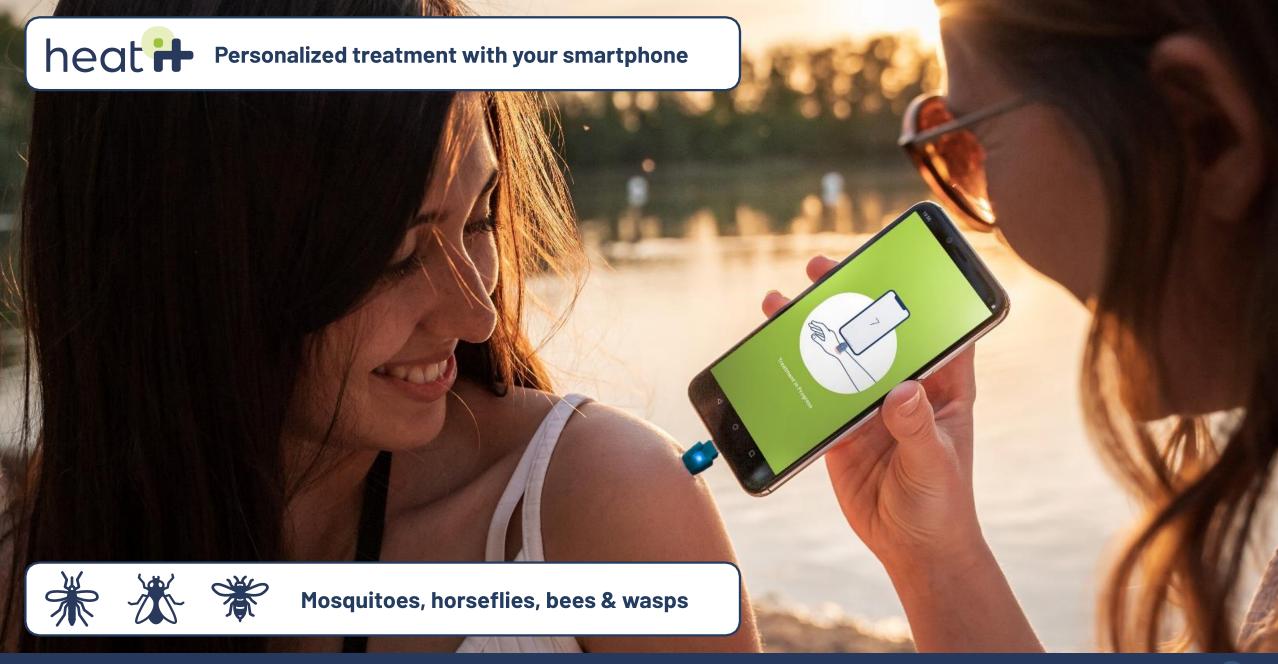
- Brings only temporal relieve
- Smelly chemicals
- Potential allergies
- Reapplication required
- Unhandy to carry

### Increasingly popular: Hyperthermia



- + Scientifically proven
- Inconvenient to carry
- Requires batteries
- Only two settings







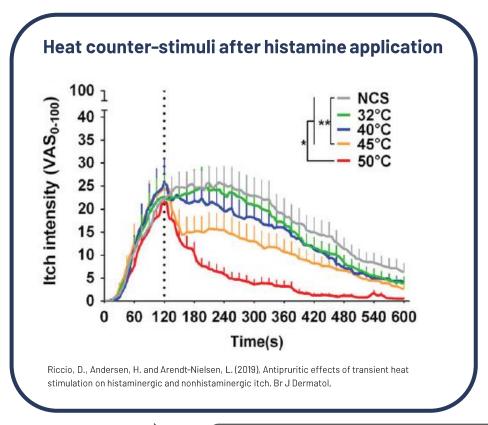
# Hyperthermic treatment of insect bites

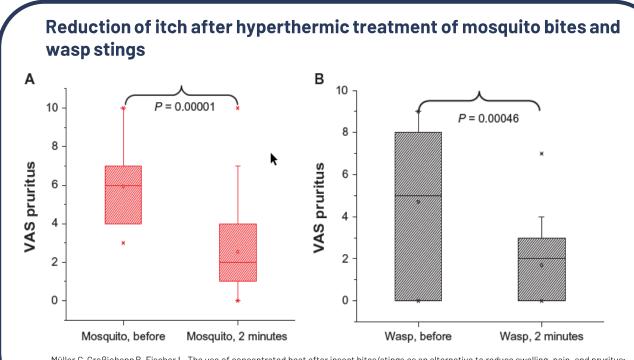
- 1. Insect injects venom
- 2. Body responds with the release of histamines
- 3. Short heat treatment
  - Heat shock leads to decreased histamine release
  - Heat stimulus acts as counter-irritation on the nerve cells

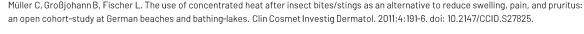




#### **Current scientific studies**









Positive effect of a heat counter stimuli on histamine induced itch is well proven





# heat H Survey Data

- Post market surveillance data has been collected since 2021
- More than 2000 participants in survey
- Clear reduction of itch within minutes after treatment



