

URTICARIA

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URTICARIA

- **Pruritic** – causes itch
- **Wheals** – white center
- **Up to 24 hours** – leaves no trace
- **Angioedema** – 40% of cases



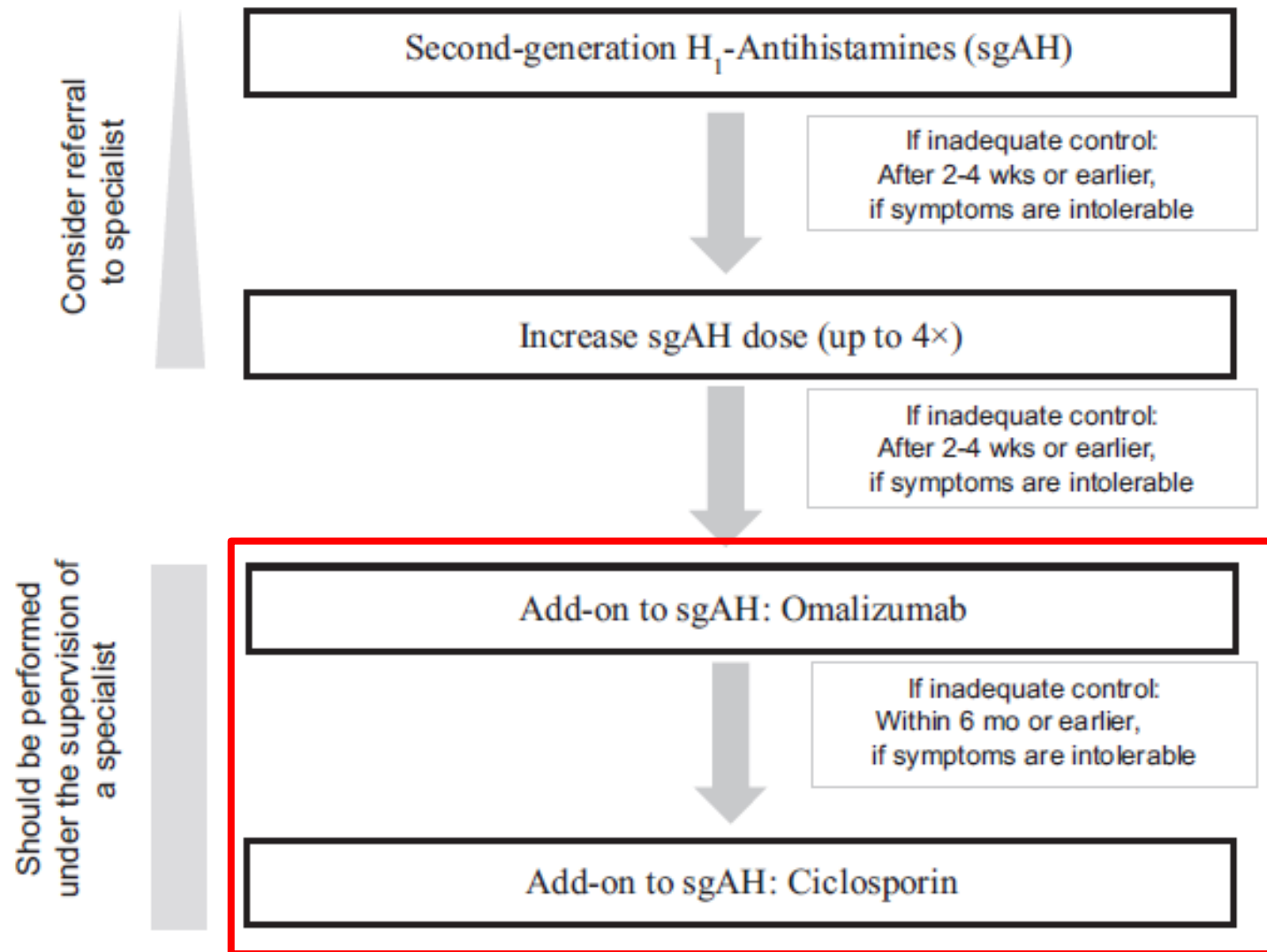
Acute urticaria

Symptoms last up to 6 weeks

Chronic urticaria

Symptoms last for 6 weeks or more

TREATMENT



CHRONIC URTICARIA

- ❑ **Incidence rate:** 1% of population.
- ❑ **Appears at any age or gender –**
 - More women than men.
 - Incidence peak between 20-40 years old.
- ❑ **Duration:** up to 1 year in most patients but can last up to 5 years and more.
 - Recurrence is observed in 50% of recovered patients.
- ❑ **Lowens quality of life** – sleep deprivation, impairment of daily activities, social life, emotional and mental well-being, reduced performance at work and substantial financial burden.

Acute urticaria

Symptoms up to 6 weeks

Chronic urticaria

Symptoms last 6 weeks or more

**Chronic
inducible
urticaria (35%)**

specific eliciting
factor involved
(heat, cold,
delayed
pressure).

**Chronic
spontaneous
urticaria (65%)**

No specific
eliciting factor
involved.

Chronic spontaneous urticaria

**Auto-immune
CSU**

**Idiopathic
CSU**

**Is there a difference regarding
degree of treatment?**

METHODS

- **Research population:**
 - **patients diagnosed with CSU between 2013-2018**
 - (Clinical Immunology, Angioedema and Allergy Unit, Sheba medical center)
- **Methods: Collecting data regarding the following parameters (via Chameleon software):**
 - Demographic data
 - Clinical data (duration of disease, severity of disease etc.)
 - “Autoimmune manifestations”
 - Treatment data (medications/combination used, duration of therapy, partial/complete remission achievement)
- **Designing the data in an excel file – statistical analysis of the various parameters between groups.**

STUDY DESCRIPTION

- **Study objective:** Compare proportion of patients receiving 3th or higher degree of treatment, between AI CSU patients and idiopathic CSU patients.
- **Type of study:** Cross-sectional study
- **Study population:** CSU patients, receiving treatment in an outpatient clinic in a tertiary care center.
- **Variables:**
 - Exposure variable: AI or idiopathic.
 - Outcome variable: 3th or higher degree of treatment – yes or no.
 - Confounders: age, gender, AE, duration, inducible.

STUDY DESCRIPTION

- **Statistical methods:**
 - *Compare proportion of patients that receive 3th or higher degree of treatment between two groups* – chi square test or fisher exact test.
 - *Compare categorical parameters between two groups* – chi square test or fisher exact test.
 - Results in percentage.
 - *Compare sequential variables* – t-test for independent samples or Mann–Whitney *U* test
 - For normal distribution variables – average and standard deviation
 - For non normal distribution variables – median and inter quartile range.

STUDY DESCRIPTION

- **Multiple variables analysis** - logistic regression that includes:
 - Group
 - Age and gender – universal confounders
 - Variables that were found to be related to the result in a Univariate analysis at a significance of $P < 0.2$.

STUDY DESCRIPTION

- **Calculation of sample size:**
 - Significance of 5%
 - Power of 80%
 - Group size ratio: 1:1.5 (idiopathic:AI)
 - Clinical experience – 50% of AI patients and 20% of idiopathic patients receive 3th degree treatment.
- **Sample size of 95 patients, 38 idiopathic and 57 AI.**