

The aim of my thesis is the introduction of the systemic mastocytosis and discussion about results of allergen immunotherapy in patients with systemic mastocytosis and its preventive effects against recurrent anaphylactic reactions.

Patients with systemic mastocytosis are more prone to severe systemic anaphylactic reactions after Hymenoptera stings than in the general insect venom allergic population patients without elevated basal tryptase. This severe reaction can result in the death of the patient, it is important to prevent it prophylactically.

The medication of choice in insect venom allergic patients is hyposensibilization therapy - allergen immunotherapy, which uses venom allergens of causal Hymenoptera (honey bee, yellow jacket).

The thesis aims to summarize the results obtained so far about the appropriateness of this treatment in patients with systemic mastocytosis, side-effects during VIT, optimal dosing schedule and duration of treatment in these patients.