

## **LECTURES**

Dental Allergology  
Winter semester 2026-2027

**Lecturer:** Prof. Maria Dencheva, PhD

**Lectures:**

1. The Immune system. Organs. Immune reactions. Classification of Gell and Coombs. Classification of Sell. Components of the immune system. The focal problem in dental medicine The essence of Dental clinical allergology. The theory of Pischinger. Stomatogenic disturbance fields (foci) – classification.
2. Allergens, allergic reactions, allergic diseases. Diagnostic process in dental allergology. Allergen extracts/haptens for diagnostic use in dental medicine. In vivo diagnostic skin tests. Technique of Prick and Epicutaneous test. Interpretation of skin tests. Physiological conditions of the patients tested. Skin and mucosa testing complications. Contraindications for skin and mucosa testing.
3. Complex focal diagnostic: EST of Ghelen Pulp vitality test. Pathogalvanism. Thermovision- main method in complex focal diagnostic, alternative appliance in prick and epicutaneous tests. Dental materials with high allergenic potential in conservative dentistry and endodontics. DMHAP in orthodontics.
4. Dental materials with high sensitizing potential in prosthetic dentistry and in oral hygiene products. Burning mouth syndrome-diagnosis and management.
5. Drugs in dental allergology: Antihistamines, Corticosteroids, Antileukotrienes, Mast cell stabilizers (Cromones,  $\beta_2$ -agonists), Oral decongestants, Local anesthesia – premedication protocols. Emergency in dental medicine. Anaphylactic shock. Prevention and management.
6. Allergic diseases in the maxillofacial region. Food allergy. Immune diseases with manifestation in the maxillofacial region. Specific oral allergic diseases. Immunotherapy. Fast and delayed reactions in dentistry.
7. Prevention and treatment of disturbance fields in the maxillofacial area Rehabilitation plan. Complex focal sanitation of oral cavity in patients with forthcoming and performed organ transplantation.

**Head of Department:**

  
(Prof. Dr. H. Mihaylova, PhD)