

**«BELORUSSIAN STATE MEDICAL UNIVERSITY»  
DEPARTMENT PROSTHETIC DENTISTRY AND ORTHODONTICS**



**APPROVED**  
Head of department  
Associate Professor Ya.I. Tsimchuk

**LECTURE PLAN  
FOR STUDENTS STUDYING IN ENGLISH  
4th YEAR, 8th SEMESTER 2023/2024  
DISCIPLINE ORTHODONTICS**

| #   | TOPICS  |
|-----|---|
| 1.  | Principles of functional treatment of dental anomalies. Functional orthodontic appliances. Features of action, design, application.   |
| 2.  | Complex, surgical, prosthetic methods of treatment of dentoalveolar anomalies.  |
| 3.  | Anomalies in the development of teeth: anomalies in the structure of hard tissues, shape, size, timing of eruption, number of teeth, position of teeth in the dentition. Etiology, clinical manifestations, diagnosis and treatment.  |
| 4.  | Bite anomalies in the sagittal plane. Distal occlusion: etiology, clinical manifestations, diagnosis, methods of prevention and treatment in various periods of occlusion formation.  |
| 5.  | Bite anomalies in the sagittal plane. Mesial occlusion: etiology, clinical manifestations, diagnosis, methods of prevention and treatment in various periods of occlusion formation.  |
| 6.  | Bite anomalies in the vertical plane. Deep bite: etiology, clinical manifestations, diagnosis and methods of prevention and treatment in different periods of bite formation. Open bite: etiology, clinical manifestations, diagnosis and methods of prevention and treatment in various periods of bite formation. |
| 7.  | Bite anomalies in the horizontal plane. Cross bite: types, etiology, clinical manifestations, diagnosis and methods of prevention and treatment in different periods of bite formation.   |
| 8.  | Treatment of children with congenital cleft lip, alveolar process, hard and soft palate.  |
| 9.  | Bracket systems: types, indications and contraindications for use. Stages of treatment of dentoalveolar anomalies using a bracket system. Retention of achieved results of orthodontic treatment.   |
| 10. | New orthodontic appliances and devices for the prevention and treatment of dental anomalies.  |