

FACULTY OF DENTAL MEDICINE – SOFIA
DEPARTMENT OF ORTHODONTICS

L E C T U R E P R O G R A M

4th year, 8th summer semester

- 1.** Discrepancies in tooth number, shape and size. Types, etiology, diagnosis, clinical aspects and treatment.
- 2.** Discrepancies in tooth position. Diastema and tremas – types, etiology, diagnosis, prevention and treatment.
- 3.** Transverse discrepancies in the single dental arch – types, etiology, diagnosis, prevention and treatment
- 4.** Sagittal discrepancies in the single dental arch: protrusion; retrusion; mesial displacement of posterior teeth – etiology, diagnosis, prevention and treatment.
- 5.** Sagittal malocclusions. Skeletal and dental class II. Etiology, diagnosis, prevention and treatment.
- 6.** Dental and skeletal malocclusions. Class I crossbite - etiology, diagnosis, prevention.
- 7.** Sagittal malocclusions. Skeletal and dental class III. Etiology, diagnosis, prevention and treatment.

PRACTICAL EXERCISES PROGRAM

4th year, 8th summer semester

1. Periapical radiography analysis. Panoramic radiography analysis (panorametry).
2. Lateral projection cephalometry – landmarks and planes.
3. Lateral projection cephalometry. Checkup and data interpretation.
4. Labial bow elements bending on a pattern.
5. U- and M-loops labial bow bending.
6. Retention clasps and spring elements bending on a pattern.
7. Schwarz's and Adams' clasp bending.
8. Protrusion spring bending. Fixation and separation of the wire elements.
9. Wax modelling of Schwarz's appliance. Acrylic resin application by a lab technician. Working bite registration taking for monobloc. Demonstration.
10. Adjustment and placement of the finished appliance. Trimming the appliance. Monobloc wax modelling. Expansion screw placement.
11. **Colloquium** – Lingual plate and monobloc (activator).
12. Demonstration of interceptive appliances – oral screen. Prefabricated interceptive appliances. Space maintainers.
13. Introduction to methods of examination. Anamnesis and status. Orthodontic diagnostic records.
14. Seminar – Clinical methods of examination.
15. Completing orthodontic diagnostic records. Signature.