

Program of Study : Dentistry

Course : Orthodontics 1

Abbreviation : ST1/ZAB31

Schedule : 15 hours of lectures
16 hours of seminars
16 hours of practical trainings

Course Distribution : 3th year, 6th semester

Number of Credits : 4

Course Form : Lectures, seminars, practical trainings

Lectures :

Garant : Professor MUDr. Milan Kamínek, DrSc.

Study : Continuous Institute of Dentistry and Oral Sciences Palackého 12,

Lectures will be in Sem.room at periodont.department from 9:00 to 10:30. (UZQ101080)

| | Date | Subject | No. of Less. | Teacher |
|---|-------------|---|---------------------|--|
| 1 | 16.2.2023 | Examination of orthodontic patient. Orthodontic patient's records. | 2 | MUDr. Ivana Dubovská /Prof. Dr. Piotr Fudalej, Ph.D. |
| 2 | 2.3.2023 | Cephalometric radiograph. Evaluation of cephalometric picture. Skeletal diagnostics. | 2 | prof. MUDr. Milan Kamínek, DrSc./ Prof. Dr. Piotr Fudalej, Ph.D. |
| 3 | 16.3.2023 | Praenatal development of the face. Growth changes of jaws. Skeletal age. | 2,5 | prof. MUDr. Milan Kamínek, DrSc. /Prof. Dr. Piotr Fudalej, Ph.D. |
| 4 | 30.3.2023 | The rationale for orthodontic treatment. | 2,5 | MDDr.Peter Dírer/Prof. Dr. Piotr Fudalej, Ph.D. |
| 5 | 13.4.2023 | The significance and application of knowledge of growth and development in orofacial system for the orthodontic treatment. | 2 | MUDr. Josef Kučera, Ph.D. |
| 6 | 27.4.2023 | Development of dental arches. Dentoalveolar compensatory mechanism | 2 | prof. MUDr. Milan Kamínek, DrSc./ Prof. Dr. Piotr Fudalej, Ph.D. |
| 7 | 11.5.2023 | Main treatment methods in orthodontics. Periodontal changes during orthodontic treatment. | 2 | prof. MUDr. Milan Kamínek, DrSc./ Prof. Dr. Piotr Fudalej, Ph.D. |

Seminars and practical trainings :

Garant : Professor MUDr. Milan Kamínek, DrSc.

Study : Continuous Institute of Dentistry and Oral Sciences Palackého 12,
**Seminars and practical trainings take place in seminar room 3
(2nd floor UZQ203100) 13:00-16:00**

| | Date | Subject | No. of Less. | Teacher |
|---|-----------|---|--------------|-----------|
| 1 | 13.2.2023 | Irregularities in position of individual teeth, groups of teeth, occlusal diagnostics. | 4,5 | Lenochová |
| 2 | 20.2.2023 | Examination of orthodontic patient. Orthodontic patient's records. Records files. Examination of orthodontic models, written diagnosis. | 4,5 | Vencková |
| 3 | 27.2.2023 | Ideal arch, practise – archwire round (without 1 st and 2 nd order bends) | 4,5 | Lenochová |
| 4 | 6.3.2023 | Attachment of archwires on typodonts. | 4,5 | Vencková |
| 5 | 13.3.2023 | Cephalometric analysis – skeletal measurements | 4,5 | Lenochová |
| 6 | 20.3.2023 | Cephalometric analysis – dental measurements | 4,5 | Vencková |
| 7 | 27.3.2023 | Skeletal age. Dental age. Jaw growth rotations and their influence to treatment planning. | 4,5 | Koniarová |

Completed by : Practicavit

Requirements : 100% participation in seminars and good knowledge with subject of seminars.

Literature : Mitchell, L.: An Introduction to Orthodontics. 3rd ed. Oxford, Oxford University Press 2007. ISBN:978-0-19-856812-4 (£47.99)

Ireland, A.J., McDonald, F.: The Orthodontic Patient: Treatment and Biomechanics. Oxford, Oxford University Press 2003. ISBN:978-0-19-851048-2 (£40.00)

Cobourne, M.T., DiBiase, A.T.: Handbook of Orthodontics. 2nd Ed. St.Louis, Elsevier 2014. ISBN: 978-0-7234-3450-4 (\$ 84.95)