**FACULTY OF DENTAL MEDICINE**
**MEDICAL UNIVERSITY – SOFIA**
**DEPARTMENT OF IMAGING AND ORAL DIAGNOSTIC**
**1A G. Sofiiski Str.,1431, Sofia, Bulgaria,tel.: +359 2 954 12 47**

## CURRICULUM

**for lectures of Diagnostic Imaging**
**for students – III-year, Summer Semester, 2025/ 2026**

1. Diagnostic imaging – basic diagnostic methods.
2. Diagnostic imaging of respiratory system and mediastinum.
3. Diagnostic imaging of cardiovascular system.
4. Diagnostic imaging of gastro – intestinal, urinary, and urogenital systems.
5. Diagnostic imaging of musculoskeletal system.
6. Diagnostic imaging of inflammatory diseases and bone tumors.
7. Diagnostic imaging of aseptic osteonecrosis, endocrine and metabolic related changes in the bones. Traumatic injuries of bones and joints.
8. Diagnostic imaging in maxillo-facial region. CBCT examinations.
9. Diagnostic imaging in maxillo-facial region. Intraoral and extraoral methods. Normal anatomy of teeth and jaws.

## CURRICULUM

**for lectures on Radiation Physics and Radiation Protection**
**for students – III year, Summer Semester, 2025/ 2026**

1. Radiation risk and radiation protection.
2. Sources of exposure to the individual. Radiation protection in medical exposure.
3. X-ray generation and characteristics. Image quality.
4. Imaging methods in dental practice. Regulatory requirements.
5. Principles and rules of radiation protection.

**Head of Department:**

(Prof. Dr. Hristina Mihaylova, Ph.D)