

Course title

Modern approach to the problem of oral precancerous lesions

Department

School of Medicine, University of Split

Department of Oral Medicine and Periodontology

Address

Šoltanska 2, Split

Total ECTS points

3

Course leader

Prof. Dolores Biočina-Lukenda, MSc, PhD

Course associates

Teaching plan

	No. classes
Lecture	5
Seminar	5
Practical	5
Total	

1 class = 45 minutes

Course description

The problem of oral precancerous lesions requires knowledge of the principles of their clinical and pathohistological diagnosis, knowledge of the molecular-genetic basis of oral precancerous lesions and the principles of their chemoprevention. Lectures include: Cell division and the formation of precancerous lesions; Oral precancerous lesions (oral leukoplakia. Erythroplakia. Oral lichen planus, candidiasis leukoplakia. Actinic cheilitis); Molecular genetic basis of precancerous lesions (oncogenes. Tumor suppressor genes, markers of cell proliferation); Cytological diagnosis of oral precancerous lesions; Pathohistological diagnosis of oral precancerous lesions (biopsy techniques. Material processing. Histological processing); Immunohistochemical and molecular-pathological diagnosis of oral precancerous lesions; Therapy of oral precancerous lesions (immunotherapy. Biotherapy. Interferons. Interleukins. Levamisole); Molecular approach to chemoprevention of oral precancerous lesions.

Learning outcomes

1. Classify of oral precancerous lesions
2. Recognize clinical changes in the oral mucosa corresponding to precancerous oral lesions and relate them to pathohistological findings
3. Select and interpret selected diagnostic procedures for precancerous oral lesions
4. Plan therapeutic procedures for precancerous oral lesions

Course content

Lecture

	Lecture topics	Number of classes/hours
1.	-Molecular-genetic basis of oral precancerous lesions	-1
2.	- Oral lichen planus	-1
3.	- Leukoplakia	-1
4.	- Pathohistological diagnosis of oral precancerous lesions	-1
5.	- Principles of therapy of oral precancerous lesions	-
6.	-	-
7.	-	-
8.	-	-
9.	-	-
10.	-	-

1 sat = 45 minuta

Seminari

	Seminar topics	Number of classes/hours
1.	-Pathohistological diagnosis of oral precancerous lesions	-1
2.	- Cytological diagnosis of oral precancerous lesions	-1
3.	- Immunohistochemical and molecular-pathological diagnosis of oral precancerous lesions	-1
4.	- Principles of therapy of oral precancerous lesions	-1
5.	-Prevention of malignant transformation of oral precancerous lesions	-1
6.	-	-
7.	-	-
8.	-	-
9.	-	-
10.	-	-

1 sat = 45 minuta

Vježbe

	practicals topics	Number of classes/hours
1.	-Laboratory diagnosis of oral precancerous lesions	-5
2.	-	-
3.	-	-

4.	-	-
5.	-	-
6.	-	-
7.	-	-
8.	-	-
9.	-	-
10.	-	-

1 class = 45 minutes

Literature

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CV (*curriculum vitae*) and bibliography of course leader

Dolores Biočina-Lukenda is a full professor with tenure and research advisor at the Department of Oral Medicine and Periodontology, School of Medicine, University of Split. She graduated in 1992 from the School of Dental Medicine in Zagreb. In 1991 and 1992, she was awarded the Rector's Award for Best Student Work. She completed the postgraduate scientific study "Allergology and Clinical Immunology" at the School of Medicine in Zagreb, where she received her master's degree in 2000. She defended her doctoral dissertation "Expression of c-erbB2, PCNA and Ki-67 antigens in relation to clinical findings in patients with oral lichen ruber" in 2003. She passed the specialist exam in oral pathology in 2000, and was awarded the title of primarius in 2011. From 1995 to 2008 she was employed at the Department of Oral Medicine, School of Dental Medicine in Zagreb. Since 2008 she has been employed at the School of Medicine in Split, where she held the position of Vice Dean for the Study of Dental Medicine (four terms, from 2008-2017). At the School of Medicine in Split, she organized a new study program for the Study of Dental Medicine in accordance with EC Directive 2005/36. She founded the Department of Oral Medicine and Periodontology, and was the head of the department from 2010 to 2018. Her areas of scientific interest are autoimmune diseases of the mucous membranes and precancerous lesions of the oral mucosa. She is the author of 8 chapters in university textbooks and a member of the editorial board of the book. She has published more than 30 papers with international review, and presented more than 67 oral and poster presentations at national and international congresses and symposia. He is a guest lecturer at domestic and international congresses and symposia. She has mentored more than 20 graduate theses. She is a mentor in one scientific master's degree and four doctoral dissertations. She is a member of the editorial boards of international scientific journals, such as *Stomatološki vjesnik / Stomatological Review* and *Southeastern European Medical Journal / SEEMDJ*. She is a member of the National Commission for Dental Medicine of the Ministry of Health, a member of the Scientific Council and the President of the Commission for Ethics and Deontology of the Croatian Chamber of Dental Medicine. She is a member of the Croatian Medical Association, Croatian Catholic Medical Society, Croatian Dental Society, Croatian Society of Oral Medicine and Pathology, European Association of Oral

Medicine (EAOM), Croatian Society of Clinical Immunology and Allergology, Croatian Society of Medical Expertise, Croatian Society of Multidisciplinary cooperation in dental medicine.

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