

Course title

Oral medical aspects of systemic autoimmune diseases

Department

School of Medicine, University of Split

Department of Oral Medicine and Periodontology

Address

Šoltanska 2, Split

Total ECTS points

4

Course leader

Prof. Dolores Biočina-Lukenda, MSc, PhD

Course associates

Prof. Jasenka Markeljević, MSc, PhD

Teaching plan

	No. classes
Lecture	8
Seminar	7
Practical	5
Total	20

1 class = 45 minutes

Course description

Autoimmune reactions with their pathogenetic mechanisms are clinically manifested as autoimmune diseases of certain organ systems, affecting all mucous membranes, including the oral mucosa. Systemic autoimmune diseases (Rheumatoid arthritis, Still's disease, Sjögren's syndrome, Systemic lupus, Scleroderma, Polyomyositis / Dermatomyositis, Connective tissue overlap syndrome, Idiopathic thrombocytopenic purpura), immunodeficiency and allergic diseases characterized by clinical signs. Consequently, a sequence of local immune events in the oral mucosa itself is triggered, manifested by the appearance of autoimmune diseases characteristic of the oral mucosa, such as oral lichen planus, recurrent canker sores. Due to the imbalance in the synthesis of immunoglobulins, which is the basis of most systemic autoimmune diseases, the development of monoclonal hypergammaglobulinemia is possible and the occurrence of paraneoplastic syndromes in which large aphthous ulcers, paraneoplastic pemphigus appear on the oral mucosa. All the above emphasizes the importance of knowledge of modern methods of diagnosis and therapeutic approach to patients with clinical manifestations of autoimmune disease. This course describes systemic autoimmune diseases, their epidemiology, etiology, pathogenetic mechanisms and clinical picture with manifestations of oral changes, diagnostic criteria and diagnostics.

Learning outcomes

1. Classify of systemic autoimmune diseases with clinical manifestations on the oral mucosa
2. Recognize and correlate pathological changes in the oral mucosa with systemic autoimmune diseases
3. Select and interpret selected diagnostic procedures in autoimmune oral diseases
4. Plan of therapeutic procedures for oral pathological changes in relation to the underlying systemic autoimmune disease

Course content

Lecture

	Lecture topics	Number of classes/hours
1.	-- Autoimmunity and autoimmune diseases	-2
2.	- Mechanisms of immunomodulation	-1
3.	- Immunodeficiency	-1
4.	- Allergic diseases	-1
5.	- Local mucosal defense	-1
6.	- Mucocutaneous autoimmune diseases	-2
7.	-	-
8.	-	-
9.	-	-
10.	-	-

1 sat = 45 minuta

Seminar

	Seminar topics	Number of classes/hours
1.	- Autoimmunity of certain clinical professions 1	-1
2.	- Autoimmunity of certain clinical professions 2	-1
3.	- Autoimmunity of certain clinical professions 3	-1
4.	- Autoimmunity of certain clinical professions 4	-1
5.	- Autoimmunity of certain clinical professions 5	-1
6.	- Autoimmunity of certain clinical professions 6	-1
7.	- Autoimmunity of certain clinical professions 7	-1
8.	-	-
9.	-	-
10.	-	-

1 sat = 45 minuta

Vježbe

	practicals topics	Number of classes/hours
1.	- Clinical cases 1	-1
2.	- Clinical cases 1	-1
3.	- Clinical cases 1	-1
4.	- Clinical cases 1	-1
5.	- Clinical cases 1	-1
6.	-	-
7.	-	-
8.	-	-
9.	-	-
10.	-	-

1 class = 45 minutes

Literature

1. Glick M. Burkets Oral Medicine 12th edition. PMPH-USA, Shelton, Connecticut; 2015
2. Cekić-Arambašin A i sur. Oralna Medicina. Zagreb: Školska knjiga; 2005.
3. Vrhovac B i sur. Interna medicina, 4 izdanje. Zagreb: Naklada Ljevak; 2008.

es**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.

<https://www.bib.irb.hr/pretraga?operators=and|Bio%C4%8Dina-Lukenda,%20Dolores%20%2816429%29|text|profile>