

Course title **Correlations and connections between the diseases of mouth and teeth and cardiovascular and gastrointestinal diseases**

Department INTERNAL MEDICINE

Address University Hospital „Sestre milosrdnice“, Vinogradska 29, ZAGREB

Total ECTS points 1,5

Course leader Prof. Neven Ljubičić, MD, PhD, Head

Course associates

Prof. Hrvoje Pintarić, MD, PhD

Prof. Karmela Altabas, MD, PhD

Prof. Petar Gaćina, MD, PhD

Prof. Šime Manola, MD, PhD

Ass. prof. dr sc. Gorana Mirošević, MD, PhD

Ass. prof. Marko Nikolić, MD, PhD

Teaching plan

	No. classes
Lecture	4
Seminar	5
Practical	6
Total	15

1 class = 45 minutes

Course description

It is not uncommon for certain cardiovascular diseases and especially gastrointestinal diseases to have first clinical manifestations involving the oral cavity and teeth, sometimes up to 2 years before any other manifestations of the disease. The goal of our postgraduate course is to point out such diseases and to show to which degree certain cardiovascular and gastrointestinal diseases can be related to changes that can be observed in oral cavity. Furthermore, we'd like to emphasize and show certain lesion involving oral mucosa and teeth that can be related to standard therapy for some cardiovascular and gastrointestinal diseases. Our subject will also try to encompass contraindications and cautions when performing certain dental procedures in relation both to certain cardiovascular and gastrointestinal diseases and their therapy (i.e. anticoagulant therapy and tooth extraction).

We expect that the postgraduates, upon finishing our course, will be able to recognize certain cardiovascular and gastrointestinal diseases and will therefore know how to adequately direct their patient. Also, we expect that, given the insight into pathophysiology behind the said diseases and their oral manifestations, they'll receive a strong base for current and future scientific studies.

Learning outcomes

1. Knowledge

- Describe the leading symptoms and signs of diseases of internal organs and organ systems
- Link symptoms into specific clinical presentation and syndromes
- Present differential - diagnostic possibilities based on clinical symptoms and signs in patients

2. Skills

- Identify the leading symptoms of the disease and their association with specific clinical dental entities
- Diagnose the disease by judging the results of diagnostic tests
- Plan the optimal type and sequence of therapeutic procedures with prediction of disease prognosis, course, effects and treatment outcomes

Course content

	Lecture topics	Number of classes/hours
1.	Gastroesophageal reflux disease and diseases of the teeth and oral cavity	2
2.	Risky cardiovascular patient in a dental clinic	2

1 class = 45 minutes

	Seminar topics	Number of classes/hours
1.	Prophylaxis of endocarditis	1
2.	Prophylaxis of hepatitis B and C virus infection	1
3.	Coagulation disorders in liver disease	1
4.	Diseases of the oral cavity in patients on dialysis	1
5.	Manifestations of endocrinopathies in the oral cavity	1

1 class = 45 minutes

	Practicals topics	Number of classes/hours
1.	Cardiovascular patient	1
2.	A patient with endocarditis	1
3.	A patient with gastroesophageal reflux disease	1
4.	A patient with cirrhosis of the liver	1
5.	A patient on chronic dialysis	1
6.	Review of endocrinopathy	1

1 class = 45 minutes

Literature Davidson's Principles and Practice of Medicine, Elsevier, 2018.

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

**PERSONAL
INFORMATION**

Name and surname	NEVEN LJUBIČIĆ
Address	F. Nevistića 12, 10 000 Zagreb
Contact information	00385 98 411069
E-mail address	neven.ljubicic@kbcsm.hr
Nationality	Republic of Croatia
Day of birth	May 1, 1963.
The number of scientists	164614

EMPLOYED

Department of Internal Medicine, Division of Gastroenterology
Sestre milosrdnice Clinical Hospital Centre, Zagreb
School of Medicine, University of Zagreb, full professor in permanent
vocation at the Department of Internal Medicine
School of Dental Medicine, University of Zagreb, full professor in
permanent vocation at the Department of Internal Medicine, head

WORK EXPERIENCE

1987-1988 Clinical Hospital „Dr. Mladen Stojanović“, Zagreb,
internship
1989-1992 General Hospital „Sveti Duh“, scientific novice
1992-1996 General Hospital „Sveti Duh“, residency in
Internal Medicine
2003-2007 School of Dental Medicine, University of Zagreb,
assistant professor
1996-2004, Department of Internal Medicine, Sestre
milosrdnice Clinical Hospital Centre, specialist of internal
medicine/gastroenterologist
2004-2005 Ministry of Health and Social Welfare, Assistant
Minister
2005-2008 Ministry of Health and Social Welfare, Minister
2008-2012 Department of Internal Medicine, Sestre
milosrdnice Clinical Hospital Centre, head
2007-2011 School of Dental Medicine, University of Zagreb,
associate professor

2008-2012 School of Medicine, University of Zagreb, associate professor

2009-today School of Dental Medicine, University of Zagreb, head of the Department of Internal Medicine

2012-2017 School of Dental Medicine, University of Zagreb, full professor

2012-2018 School of Medicine, University of Zagreb, full professor

2017-today School of Dental Medicine, University of Zagreb, full professor in permanent vocation

2018-today School of Medicine, University of Zagreb, full professor in permanent vocation

EDUCATION HISTORY

1974-1981 Elementary school and High school, Zadar

1982-1987 School of Medicine, University of Zagreb

1992-1996 internal medicine resident

1994-1995 postgraduate study

2000-2002 specialist in internal medicine and in gastroenterology and hepatology

SCIENCE EXPERIENCE

1993 Doctor of Medical Sciences

1998 an associate on an international project "The American College of Gastroenterology" under the name «An Assessment of the Management of Acute Bleeding Varices: "A Multicenter Prospective Member-Based Study»

(Mayo Clinic, Rochester, USA)

2002-today a researcher on the several scientific projects of the Ministry of Science of the Republic of Croatia

2006 scientific adviser

Published more than 150 papers, of which a third is indexed into databases „Current Contents/SCI-EXP/SSCI", and at the end of October 2021 was quoted in the Web of Science Core Collection 556 times

SPECIALIZATION

1989 Oslo, Norway

1999 Aarhus, Denmark

2000 Hamburg, Germany

SOCIAL AND OTHER ACTIVITIES

Croatian War of Independence (1991-1992)

Assistant Minister at the Ministry of Health and Social Welfare of the Government of the Republic of Croatia (2004-2005)

Minister at the Ministry of Health and Social Welfare of the Government of the Republic of Croatia (2005-2008)

Member of the Dissertation Committee of the University of Zagreb School of Medicine (since 2010)

Member of the Postgraduate Doctoral Program of the School of Dental Medicine of the University of Zagreb (since 2012)

Member of the Committee for Doctoral Theses of the University of Zagreb (since 2016)

Member of the Committee for Expert Affairs and Professional Supervision of the Croatian Chamber of Physicians (since 2009 until 2015)

Member of the Committee for orthopaedic supplies and other aids of the Croatian Institute for Health Insurance (since 2016)

Member of the Croatian Agency for Medicinal Products and Medical Products Drugs Safety Agency (since 2016)

Vice-President and President of the Croatian Gastroenterology Society (2015-2021)

President of the Committee for Monitoring the Implementation of the National Health Strategy 2012-2020 (since 2017)

President of the Committee for Coordination of the Implementation of the National Program for Early Detection of Colon Cancer (since 2017)

PERSONAL SKILLS

MOTHER LANGUAGE

Croatian

OTHER LANGUAGES

Know	English
Speak	Actively
Writes	Actively
Reads	Actively

**SOCIAL SKILLS
AND COMPETENCES**

Communicative, easy to work with, frank

**ORGANIZATION
SKILLS AND
COMPETENCES**

Well organized with accurate implementation deadlines
Dedicated
Leadership skills
Computer work

DRIVERS LICENCE

B category

MARITAL STATUS

Married. Spouse Sanja, father of two children: Hrvoje and Zrinka.

MEMBERSHIPS

Croatian Society of Gastroenterology
The American College of Gastroenterology (Fellow)
The American Gastroenterological Association (International Member)
The American Institute of Ultrasound in Medicine (Senior Member)
International Association of Surgeons, Gastroenterologists and Oncologists (Member)

ORIGINAL SCIENTIFIC PAPERS

<https://www.bib.irb.hr/pretraga?operators=and|Ljubi%C4%8Di%C4%87,%20Neven%20%2813531%29|text|profile>