

UNIVERSITY OF ZAGREB SCHOOL OF MEDICINE

Plan of the course

Geriatrics

Academic year **2016/2017**

I. COURSE AIMS

To provide students with knowledge of the ageing process from medical, social and economic aspects, including specificities of drugs administration and other issues encountered in family physician,s care for the elderly. It has been estimated that in Croatia, by the year 2020, will be 20 per cent of the population over 65 years of age and that trend requires general principles of health care to be modified to suit the needs of the ageing population. The ageing process affects all body systems (atherosclerosis, impairments of heart function, impairments of vital respiratory functions, gastrointestina system, kidneys, hematologic and immunologic systems, central nervous system, reduced brain activity, damages of the musculoskeletal system, etc.). Social and economic aspects (poor nutrition, poor living conditions, poverty, etc.) are associated with impaired mental health frequent in the elderly population.

II. COURSE STRUCTURE

Course hours:

Lectures: 10

Seminar: 10

Practicum: 10

Total hours: 30

Lectures, discussion (student and tutor led), seminar sessions, individual supplementary reading directed study interactive technology tasks and reading, individual and group directed study tasks and reading. Individual evaluation of student academic progress during the course; seminar presentation, written and oral examination. Students will be active involved in all parts of contact hours. Therefore, the lectures cover the following topics: cardiovascular changes and diseases in the elderly, specially arterial hypertension in the elderly, the most important gastroeintestinal diseases in the elderly, pulmological disease specially pneumonia, tuberculosis, chronic obstructive pulmonary disease, bronchial carcinoma, psychological and neurological changes, drug administration in the elderly, changes of the locomotory system, social issues, primary health care for the elderly. Additionally, the practical part is organized around cases to be solved by students supervised by course coordinator: patient with multiple chronic diseases: diabetes mellitus, arterial hypertension, diabetic nephropathy with renal

insufficiency, patient with senile dementia living with hemiplegic wife, patient with osteoporosis and coxarthrosis, patient with chronic obstructive pulmonary disease on nicotine and alcohol, patient with colorectal cancer after colostomy.

III. PLAN OF THE COURSE AND COURSE SCHEDULE

BLOCKS OF THE COURSE

Number of blocks: 1

Block number	Start	End
1.	19.12.2016	23.12.2016

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1.	19.12.2016	23.12.2016

BLOCKS OF THE COURSE SCHEME

Block 1

Date	Time	Group	Course hours type	Theme	Teaching staff
Monday 19.12.2016.	08:00-09:30; MEF (C) - Šercer		Lectures	Introduction, Theories of aging	prof. dr. sc. Zijad Duraković
	09:45-11:15; MEF (C) - Šercer		Lectures	Physiology of aging	prof. dr. sc. Zijad Duraković
	11:30-13:00; MEF Kompjutorska učionica		Seminar	Arterial hypertension in the elderly	prof. dr. sc. Bojan Jelaković
Tuesday 20.12.2016.	08:00-11:00; MEF Nova vijećnica		Lectures	The use of drugs in the elderly	prof. dr. sc. Zijad Duraković
	11:30-13:00; MEF Nova vijećnica		Seminar	Gastrointestinal disorders in the elderly	prof. dr. sc. Željko Krznarić
Wednesday 21.12.2016.	08:00-08:45; MEF Nova vijećnica		Seminar	Dellirium and other mental disorders in the elderly	prof. dr. sc. Alma Mihaljević-Peješ
	09:00-11:15; MEF Nova vijećnica		Practicum	Dellirium and other mental disorders in the elderly	prof. dr. sc. Alma Mihaljević-Peješ
	11:30-13:00; MEF Nova vijećnica		Lectures	The use of antibiotics in the elderly	prof. dr. sc. Igor Francetić
Thursday 22.12.2016.	08:00-08:45; MEF (C) - Šercer		Seminar	Cerebrovascular diseases in the elderly	izv. prof. dr. sc. Zdravka Poljaković
	08:45-09:30; MEF (C) - Šercer		Practicum	Cerebrovascular diseases in the elderly	izv. prof. dr. sc. Zdravka Poljaković
	09:45-10:30; MEF (C) - Šercer		Seminar	Parkinsonian syndrome in the elderly	prof. dr. sc. Maja Relja
	10:30-11:15; MEF (C) - Šercer		Seminar	Dementia in the elderly	doc. dr. sc. Nataša Klepac
	11:30-13:00; MEF (C) - Šercer		Seminar	Neuromuscular disorders in the elderly	izv. prof. dr. sc. Marija Žagar
Friday 23.12.2016.	08:00-09:30; ŠNZ D		Practicum	Introduction	doc. dr. sc. Stanislava Stojanović - Špehar
	09:30-13:15; ŠNZ D		Practicum	How to solve every-day practical problems at the field.	doc. dr. sc. Stanislava Stojanović - Špehar
Monday 9.1.2017.	14:00-15:00; MEF (C) - Šercer	SVI	Exam	Exam	prof. dr. sc. Zijad Duraković

Place:

Monday December 19 to Thursday December 22, 2016: Medical Faculty University of Zagreb, Salata 3, Zagreb;

Friday December 23, 2016: School of Public Health „Andrija Štampar“, Rockefeller Str. 10,

IV. EXAMINATIONS

Examination: test, 30 questions, January 9, 2017, 2 p.m., place: Medical Faculty University of Zagreb, Salata 3.

Results: at the same day.

V./I. LIST OF LECTURERS AND TEACHING STAFF

1. prof. dr. sc. Bojan Jelaković
2. prof. dr. sc. Željko Krznarić
3. prof. dr. sc. Alma Mihaljević-Peješ
4. izv. prof. dr. sc. Zdravka Poljaković
5. prof. dr. sc. Maja Relja

V./II EXTERNAL ASSOCIATES:

1. prof. dr. sc. Zijad Duraković
2. izv. prof. dr. sc. Marija Žagar
3. prof. dr. sc. Igor Francetić
4. dr. sc. Maja Bajs-Janović

V./III UNTENURED LECTURERS:

1. doc. dr. sc. Nataša Klepac
2. doc. dr. sc. Stanislava Stojanović - Špehar

VI. LITERATURE

A. Obligatory

1. Ewans GJ, Williams TF, Beattie L, Michel J-P, Wilcock GK. The Oxford Textbook of Geriatric Medicine. Oxford Univ. Press 2003.
2. Durakovic Z, Misigoj-Durakovic M. Anthropology of Aging. Encyclopaedia of life support system (EOLLS), Developed under the auspices of the UNESCO, Eolss Publishers 2006, Oxford, UK (<http://www.eolss.net>).
3. Durakovic Z et al. Geriatric Pharmacotherapy, CT-poslovne informacije, Zagreb 2011.

B. Additional

01. Hazzard WR, Blass JP, Ettinger WH, Halter JB, Ouslander JG. Principles of Geriatric Medicine nad Gerontology. 4.ed., McGrew-Hill, New York 1999.
02. Beers MH, Berkow R. The Merck Manual of Geriatrics, Merck Res Lab , Whitehouse, NJ 2000.
03. Trech DD, Aronow WS. Cardiovascular Diseases in the Elderly. 3.ed., Dekker M, New York 2004.
04. Masoro EJ, Austad SN. Handbook of the Biology of Aging, Academic Press, 6. ed., San Diego, CA, 2006