[Medicinski fakultet u Rijeci]

Curriculum
2025/2026

[Za kolegij]

Precancerous Breast Disease

Study program:	**Medical Studies in English (R)** (elective) [Sveučilišni integrirani prijediplomski i diplomski studij]
Department:	**[Zavod za opću patologiju i patološku anatomiju]**
Course coordinator:	**izv. prof. dr. sc. Avirović Manuela, dr. med.**
Year of study:	**3**
ECTS:	**1.5**
Incentive ECTS:	**0 (0.00%)**
Foreign language:	**Possibility of teaching in a foreign language**

Course information:

MS Teams code: a6o17ql

The elective course Precancerous Breast Disease has the role of introducing students to the steps in the development of neoplastic changes in the breast, the phenotypic and genotypic similarities of precancerous lesions, the difference between risk and precursor lesions, and the histological, cytological and radiological characteristics of these lesions. They will also learn about clinical procedures for such lesions, including surgery.

List of assigned reading:

Ppt presentations and scientific papers used in seminar presentations

List of optional reading:

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Curriculum:

[Predavanja] list (with titles and explanation):

Introduction to precancerous lesions in the breast

Introduction to precancerous lesions and their clinical significance.

Precancerous breast lesions: B3 lesions from the pathological -histological aspect

Defining risk lesions and precursor lesions. Lesions without risk, low risk and moderate risk for the development of invasive breast cancer. Morphology of risk lesions. Clinical significance of risk lesion recognition.

B3 lesions: radiologist view

B3 lesions

Surgical approach in breast diseases

Surgical approach in breast diseases

Cytological analysis of breast lesions

Cytological analysis of breast lesions

[Seminari] list (with titles and explanation):

Preinvasive breast lesions

Breast microcalcifications

Differentiation of benign from malignant microcalcifications in the breast

Students presentations

Core needle breast biopsy; benign breast diseases; Benign breast diseases and recent alcohol consumption; hormone replacement therapy; obesity and breast cancer risk; meat consumption and breast cancer risk.

Slide seminar of breast lesions

Slide seminar of breast lesions, interactive

Final repetition and exam

The last lesson of repeating what you have learned and the exam

Student obligations:

Attendance of 70% of classes, the presentation of the seminar work and the final exam

Exam (exam taking, description of the written/oral/practical part of the exam, point distribution, grading criteria):

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Other notes (related to the course) important for students:

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COURSE HOURS 2025/2026

Precancerous Breast Disease

[Predavanja] (Place and time or group)	**[Seminari]** (Place and time or group)
21.11.2025	
Introduction to precancerous lesions in the breast: • [P14 - PATOLOGIJA predavaonica] (14:15 - 16:00) [508] ◦ pbd	
izv. prof. dr. sc. Avirović Manuela, dr. med. [508]	
28.11.2025	
Precancerous breast lesions: B3 lesions from the pathological -histological aspect: • [Patologija - Vježbaonica] (14:15 - 16:00) [508] ◦ pbd	
izv. prof. dr. sc. Avirović Manuela, dr. med. [508]	
08.12.2025	
Cytological analysis of breast lesions: • [Patologija - Vježbaonica] (12:15 - 13:45) [1785] ◦ pbd	Preinvasive breast lesions: • [Patologija - Vježbaonica] (13:45 - 14:30) [508] ◦ pbd
izv. prof. dr. sc. Avirović Manuela, dr. med. [508] · nasl. doc. dr. sc. Rajković Molek Koraljka, dr. med. [1785]	
12.12.2025	
Surgical approach in breast diseases: • [Kirurgija Rijeka - Predavaona] (14:15 - 16:00) [486] ◦ pbd	
prof. dr. sc. Grebić Damir, dr. med. [486]	
09.01.2026	
	Breast microcalcifications: • [ONLINE] (14:15 - 17:00) [508] ◦ pbd
izv. prof. dr. sc. Avirović Manuela, dr. med. [508]	
14.01.2026	
	Students presentations: • [ONLINE] (08:15 - 11:00) [508] ◦ pbd
izv. prof. dr. sc. Avirović Manuela, dr. med. [508]	
22.01.2026	
	Slide seminar of breast lesions: • [Patologija - Biblioteka] (09:15 - 12:45) [508] ◦ pbd
izv. prof. dr. sc. Avirović Manuela, dr. med. [508]	
27.01.2026	

B3 lesions: radiologist view: • [ONLINE] (10:00 - 11:30) [281] ◦ pbd	
izv. prof. dr. sc. Valković Zujić Petra, dr. med. [281]	
28.01.2026	
	Final repetition and exam: • [ONLINE] (08:15 - 11:45) [508] ◦ pbd
izv. prof. dr. sc. Avirović Manuela, dr. med. [508]	

List of lectures, seminars and practicals:

[PREDAVANJA] (TOPIC)	Number of hours	Location
Introduction to precancerous lesions in the breast	2	[P14 - PATOLOGIJA predavaonica]
Precancerous breast lesions: B3 lesions from the pathological -histological aspect	2	[Patologija - Vježbaonica]
B3 lesions: radiologist view	2	[ONLINE]
Surgical approach in breast diseases	2	[Kirurgija Rijeka - Predavaona]
Cytological analysis of breast lesions	2	[Patologija - Vježbaonica]

[SEMINARI] (TOPIC)	Number of hours	Location
Preinvasive breast lesions	1	[Patologija - Vježbaonica]
Breast microcalcifications	3	[ONLINE]
Students presentations	4	[ONLINE]
Slide seminar of breast lesions	4	[Patologija - Biblioteka]
Final repetition and exam	3	[ONLINE]

EXAM DATES (final exam):