

Faculty of Medicine in Rijeka

## Curriculum 2025/2026

For course

### Precancerous Breast Disease

Study program: **Medical Studies in English (R)** (elective)  
University integrated undergraduate and graduate study

Department: **Department of General Pathology and Pathological Anatomy**

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:**

### **Lectures 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

### **Seminars 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

Lectures (Place and time or group)	Seminars (Place and time or group)
<b>21.11.2025</b>  Introduction to precancerous lesions in the breast: • P14 - PATHOLOGY of lecture halls (14:15 - 16:00) [508] ◦ pbd  izv. prof. dr. sc. Avirović Manuela, dr. med. [508]	
<b>28.11.2025</b>  Precancerous breast lesions: B3 lesions from the pathological -histological aspect: • Pathology - Exercise room (14:15 - 16:00) [508] ◦ pbd  izv. prof. dr. sc. Avirović Manuela, dr. med. [508]	
<b>08.12.2025</b>  Cytological analysis of breast lesions: • Pathology - Exercise room (12:15 - 13:45) [1785] ◦ pbd	 Preinvasive breast lesions: • Pathology - Exercise room (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]	
<b>12.12.2025</b>  Surgical approach in breast diseases: • Surgery Rijeka - Lecturer (14:15 - 16:00) [486] ◦ pbd  prof. dr. sc. Grebić Damir, dr. med. [486]	
<b>09.01.2026</b>  izv. prof. dr. sc. Avirović Manuela, dr. med. [508]	 Breast microcalcifications: • ONLINE (14:15 - 17:00) [508] ◦ pbd
<b>14.01.2026</b>  izv. prof. dr. sc. Avirović Manuela, dr. med. [508]	 Students presentations: • ONLINE (08:15 - 11:00) [508] ◦ pbd
<b>22.01.2026</b>  izv. prof. dr. sc. Avirović Manuela, dr. med. [508]	 Slide seminar of breast lesions: • Pathology - Library (09:15 - 12:45) [508] ◦ pbd
<b>27.01.2026</b>	

B3 lesions: radiologist view: • ONLINE (10:00 - 11:30) [281] ◦ pbd	
izv. prof. dr. sc. Valković Zuje Petra, dr. med. [281]	
<b>28.01.2026</b>	
	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:**

LECTURES (TOPIC)	Number of hours	Location
Introduction to precancerous lesions in the breast	2	P14 - PATHOLOGY of lecture halls
Precancerous breast lesions: B3 lesions from the pathological -histological aspect	2	Pathology - Exercise room
B3 lesions: radiologist view	2	ONLINE
Surgical approach in breast diseases	2	Surgery Rijeka - Lecturer
Cytological analysis of breast lesions	2	Pathology - Exercise room

SEMINARS (TOPIC)	Number of hours	Location
Preinvasive breast lesions	1	Pathology - Exercise room
Breast microcalcifications	3	ONLINE
Students presentations	4	ONLINE
Slide seminar of breast lesions	4	Pathology - Library
Final repetition and exam	3	ONLINE

### **EXAM DATES (final exam):**

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