

Medicinski fakultet u Rijeci

**IZVEDBENI NASTAVNI PLAN  
2023/2024**

Za kolegij

**Precancerous Breast Disease**

|                    |                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------|
| Studij:            | <b>Medical Studies in English (R)</b> (izborni)                                                         |
| Katedra:           | Sveučilišni integrirani prijediplomski i diplomski studij                                               |
| Nositelj kolegija: | <b>Zavod za opću patologiju i patološku anatomiju<br/>izv. prof. dr. sc. Avirović Manuela, dr. med.</b> |
| Godina studija:    | <b>3</b>                                                                                                |
| ECTS:              | <b>1.5</b>                                                                                              |
| Stimulativni ECTS: | <b>0 (0.00%)</b>                                                                                        |
| Strani jezik:      | <b>Mogućnost izvođenja na stranom jeziku</b>                                                            |

**Podaci o kolegiju:**

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.

**Popis obvezne ispitne literature:**

Ppt presentations and scientific papers used in seminar presentations

**Popis dopunske literature:**

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## **Nastavni plan:**

### **Predavanja popis (s naslovima i pojašnjenjem):**

#### **Precancerous breast disease**

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.

#### **Preinvasive breast lesions**

DCIS and LCIS. Risk of invasive cancer. Clinical significance of in situ lesions.

#### **Precancerous Breast Disease, radiologist view**

B3 lesions

#### **Precancerous breast disease, surgeon's view**

Surgical approach in breast diseases

#### **Precancerous breast disease, a cytologist's view**

Cytological analysis of breast lesions

### **Seminari popis (s naslovima i pojašnjenjem):**

#### **Breast cancer detection methods**

Inspection and self-examination methods, medical examination, radiological imaging methods..

#### **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

## **Obveze studenata:**

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

## **Ispit (način polaganja ispita, opis pisanog/usmenog/praktičnog dijela ispita, način bodovanja, kriterij ocjenjivanja):**

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## **Ostale napomene (vezane uz kolegij) važne za studente:**

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## SATNICA IZVOĐENJA NASTAVE 2023/2024

### Precancerous Breast Disease

| Predavanja<br>(mjesto i vrijeme / grupa)                                                                                                                                                                                 | Seminari<br>(mjesto i vrijeme / grupa)                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>05.12.2023</b>                                                                                                                                                                                                        |                                                                                                                                                                                                        |
| Precancerous breast disease: <ul style="list-style-type: none"><li>• P14 - PATOLOGIJA predavaonica (17:00 - 18:15) <sup>[508]</sup><ul style="list-style-type: none"><li>◦ pbd</li></ul></li></ul>                       |                                                                                                                                                                                                        |
| izv. prof. dr. sc. Avirović Manuela, dr. med. <sup>[508]</sup>                                                                                                                                                           |                                                                                                                                                                                                        |
| <b>08.12.2023</b>                                                                                                                                                                                                        |                                                                                                                                                                                                        |
| Precancerous breast disease, surgeon's view: <ul style="list-style-type: none"><li>• KBC Rijeka (14:15 - 15:45) <sup>[486]</sup><ul style="list-style-type: none"><li>◦ pbd</li></ul></li></ul>                          |                                                                                                                                                                                                        |
| prof. dr. sc. Grebić Damir, dr. med. <sup>[486]</sup>                                                                                                                                                                    |                                                                                                                                                                                                        |
| <b>13.12.2023</b>                                                                                                                                                                                                        |                                                                                                                                                                                                        |
| Precancerous Breast Disease, radiologist view: <ul style="list-style-type: none"><li>• P14 - PATOLOGIJA predavaonica (14:00 - 15:45) <sup>[281]</sup><ul style="list-style-type: none"><li>◦ pbd</li></ul></li></ul>     |                                                                                                                                                                                                        |
| izv. prof. dr. sc. Valković Zujić Petra, dr. med. <sup>[281]</sup>                                                                                                                                                       |                                                                                                                                                                                                        |
| <b>14.12.2023</b>                                                                                                                                                                                                        |                                                                                                                                                                                                        |
| Precancerous breast disease, a cytologist's view: <ul style="list-style-type: none"><li>• P14 - PATOLOGIJA predavaonica (16:00 - 17:30) <sup>[1785]</sup><ul style="list-style-type: none"><li>◦ pbd</li></ul></li></ul> |                                                                                                                                                                                                        |
| nasl. doc. dr. sc. Rajković Molek Koraljka, dr. med. <sup>[1785]</sup>                                                                                                                                                   |                                                                                                                                                                                                        |
| <b>15.12.2023</b>                                                                                                                                                                                                        |                                                                                                                                                                                                        |
| Preinvasive breast lesions: <ul style="list-style-type: none"><li>• P14 - PATOLOGIJA predavaonica (16:00 - 17:30) <sup>[508]</sup><ul style="list-style-type: none"><li>◦ pbd</li></ul></li></ul>                        |                                                                                                                                                                                                        |
| izv. prof. dr. sc. Avirović Manuela, dr. med. <sup>[508]</sup>                                                                                                                                                           |                                                                                                                                                                                                        |
| <b>19.12.2023</b>                                                                                                                                                                                                        |                                                                                                                                                                                                        |
|                                                                                                                                                                                                                          | Breast cancer detection methods: <ul style="list-style-type: none"><li>• P14 - PATOLOGIJA predavaonica (16:00 - 18:15) <sup>[508]</sup><ul style="list-style-type: none"><li>◦ pbd</li></ul></li></ul> |
| izv. prof. dr. sc. Avirović Manuela, dr. med. <sup>[508]</sup>                                                                                                                                                           |                                                                                                                                                                                                        |
| <b>20.12.2023</b>                                                                                                                                                                                                        |                                                                                                                                                                                                        |
|                                                                                                                                                                                                                          | Breast microcalcifications: <ul style="list-style-type: none"><li>• P14 - PATOLOGIJA predavaonica (14:00 - 16:15) <sup>[508]</sup><ul style="list-style-type: none"><li>◦ pbd</li></ul></li></ul>      |
| izv. prof. dr. sc. Avirović Manuela, dr. med. <sup>[508]</sup>                                                                                                                                                           |                                                                                                                                                                                                        |
| <b>12.01.2024</b>                                                                                                                                                                                                        |                                                                                                                                                                                                        |

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|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                     | Students presentations: <ul style="list-style-type: none"> <li>• P14 - PATOLOGIJA predavaonica (14:00 - 16:15) [508] <ul style="list-style-type: none"> <li>◦ pbd</li> </ul> </li> </ul>     |
| izv. prof. dr. sc. Avirović Manuela, dr. med. [508] |                                                                                                                                                                                              |
| <b>15.01.2024</b>                                   |                                                                                                                                                                                              |
|                                                     | Slide seminar of breast lesions: <ul style="list-style-type: none"> <li>• Patologija - Vježbaonica (14:00 - 16:15) [508] <ul style="list-style-type: none"> <li>◦ pbd</li> </ul> </li> </ul> |
| izv. prof. dr. sc. Avirović Manuela, dr. med. [508] |                                                                                                                                                                                              |
| <b>23.01.2024</b>                                   |                                                                                                                                                                                              |
|                                                     | Final repetition and exam: <ul style="list-style-type: none"> <li>• P14 - PATOLOGIJA predavaonica (16:00 - 18:15) [508] <ul style="list-style-type: none"> <li>◦ pbd</li> </ul> </li> </ul>  |
| izv. prof. dr. sc. Avirović Manuela, dr. med. [508] |                                                                                                                                                                                              |

### Popis predavanja, seminara i vježbi:

| PREDAVANJA (TEMA)                                | Broj sati | Mjesto održavanja             |
|--------------------------------------------------|-----------|-------------------------------|
| Precancerous breast disease                      | 2         | P14 - PATOLOGIJA predavaonica |
| Preinvasive breast lesions                       | 2         | P14 - PATOLOGIJA predavaonica |
| Precancerous Breast Disease, radiologist view    | 2         | P14 - PATOLOGIJA predavaonica |
| Precancerous breast disease, surgeon's view      | 2         | KBC Rijeka                    |
| Precancerous breast disease, a cytologist's view | 2         | P14 - PATOLOGIJA predavaonica |

| SEMINARI (TEMA)                 | Broj sati | Mjesto održavanja             |
|---------------------------------|-----------|-------------------------------|
| Breast cancer detection methods | 3         | P14 - PATOLOGIJA predavaonica |
| Breast microcalcifications      | 3         | P14 - PATOLOGIJA predavaonica |
| Students presentations          | 3         | P14 - PATOLOGIJA predavaonica |
| Slide seminar of breast lesions | 3         | Patologija - Vježbaonica      |
| Final repetition and exam       | 3         | P14 - PATOLOGIJA predavaonica |

### ISPITNI TERMINI (završni ispit):

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