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| **NAME OF THE COURSE** | Acid-base disorders: from physiology to practice |
| **Code** |  | Year of study | 2,3,4,5,6 |
| Course teacher | Assist. prof. Joško Božić, MD, PhD | Credits (ECTS) | 2 |
| Associate teachers | Prof. Dragan Ljutić, MD, PhD Assoc. prof. Tina Tičinović Kurir, MD, PhDMarino Vilović, MD | Type of instruction (number of hours) | L | S | P | F |
| 10 | 10 | 5 | 25 |
| Status of the course | Elective | Percentage of application of e-learning | 0 % |
| **COURSE DESCRIPTION** |
| Course objectives | Expansion and integration of knowledge about acid-base disorders, as well as the application of critical thinking on clinical cases from practice. |
| Course enrolment requirements and entry competences required for the course | None  |
| Learning outcomes expected at the level of the course (4 to 10 learning outcomes) | - distinguish and interpret the processes of maintaining the homeostasis of acid-base balance- enumerate, describe and explain the clinical features associated with disorders of acid-base balance- explain and critically interpret clinical tests in the assessment of acid-base disorders- describe, analyze and discuss the compensation mechanisms of acid-base disorders |
| Course content broken down in detail by weekly class schedule (syllabus) | Lectures (10 hours)1. Overview of maintaining acid-base balance
2. Metabolic acidosis
3. Metabolic alkalosis

Seminars (10 hours)1. Respiratory acidosis
2. Respiratory alkalosis
3. Mixed acid-base balance disorders
4. Integration

Practice (5 hours)1. Presentation of clinical cases of acid-base disorders
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| Format of instruction | - Lectures- Seminars- Practice |  |
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| Student responsibilities | In accordance with the Rules of the study and the study system and Deontological code for students of Medical school in Split. |
| Screening student work *(name the proportion of ECTS credits for each* *activity so that the total number of ECTS credits is equal to the ECTS value of the course)* | Attendance | 0,5 |  |  |  |  |
| Seminar paper | 0,5 |  |  |  |  |
| Written exam | 1,0 |  |  |  |  |
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| Grading and evaluating student work in class and at the final exam | Written exam |
| Required literature (available in the library and via other media) | **Title** | **Number of copies in the library** | **Availability via other media** |
| 1. Kasper DL et al. Harrison's principles of internal medicine, 19th edition. McGraw Hill Education, 2015.
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| Optional literature (at the time of submission of study programme proposal) | 1. McCance KL, Huether SE. Pathophysiology-the biologic basis for disease in adults and children, 7th edition. Elsevier, 2014.
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| Quality assurance methods that ensure the acquisition of exit competences | * Quality control analysis by the students and teachers
* Analysis exam passing
* Report of the Committee for the teaching quality control
* Extrainstitutional evaluation (teams for quality control of the National Agency for quality control, inclusion to TEEP)
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| Other (as the proposer wishes to add) |  |

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| **NAZIV PREDMETA** | **Poremećaji acidobaznog statusa: od fiziologije do prakse** |
| **Kod** |  | Godina studija | 2,3,4,5,6 |
| **Nositelj/i predmeta** | Doc. dr. sc. Joško Božić | Bodovna vrijednost (ECTS) | 2 |
| Suradnici | Prof. dr. sc. Dragan LjutićIzv. prof. dr. sc. Tina Tičinović Kurir Marino Vilović, dr. med | Način izvođenja nastave (broj sati u semestru) | P | S | V | U |
| 10 | 10 | 5 | 25 |
| Status predmeta | Izborni | Postotak primjene e-učenja  | 0% |
| **OPIS PREDMETA** |
| Uvjeti za upis predmeta i ulazne kompetencije potrebne za predmet | Nema |
| Očekivani ishodi učenja na razini predmeta (4-10 ishoda učenja)  | - razlučiti i interpretirati procese održavanja homeostaze acido-bazne ravnoteže- nabrojiti, opisati i objasniti kliničke značajke povezane s određenim poremećajima acido-bazne ravnoteže- objasniti i kritički interpretirati testove u procjeni acido-baznih poremećaja- opisati, raščlaniti i raspraviti kompezacijske mehanizme acido-baznih poremećaja |
| Sadržaj predmeta detaljno razrađen prema satnici nastave  | Predavanja (10 student sati)1. Pregled održavanja acido-bazne ravnoteže
2. Metabolička acidoza
3. Metabolička alkaloza

Seminari (10 student sati)1. Respiracijska acidoza
2. Respiracijska alkaloza
3. Mješoviti poremećaji acido-bazne ravnoteže
4. Integracija

Vježbe (5 student sati)1. Prikaz kliničkih slučajeva acido-baznih poremećaja
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| Vrste izvođenja nastave: | ☒ predavanja☒ seminari i radionice ☒ vježbe ☐*on line* u cijelosti☐ mješovito e-učenje☐ terenska nastava | ☐ samostalni zadaci ☐ multimedija ☐ laboratorij☐ mentorski rad☐      (ostalo upisati) |
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| Obveze studenata | U skladu s Pravilnikom o studiju i sustavu studiranja i Deontološkim kodeksom za studente Medicinskog fakulteta u Splitu. |
| Praćenje rada studenata *(upisati udio u ECTS bodovima za svaku aktivnost tako da ukupni broj ECTS bodova odgovara bodovnoj vrijednosti predmeta):* | Pohađanje nastave | 0,5 | Istraživanje |       | Praktični rad |       |
| Eksperimentalni rad |       | Referat |       |      (Ostalo upisati) |       |
| Esej |  | Seminarski rad | 0,5 |      (Ostalo upisati) |       |
| Kolokviji |       | Usmeni ispit |       |       (Ostalo upisati) |       |
| Pismeni ispit | 1,0 | Projekt |       |       (Ostalo upisati) |       |
| Ocjenjivanje i vrjednovanje rada studenata tijekom nastave i na završnom ispitu | Pismeni ispit |
| Obvezna literatura (dostupna u knjižnici i putem ostalih medija) | **Naslov** | **Broj primjeraka u knjižnici** | **Dostupnost putem ostalih medija** |
| 1. Kasper DL et al. Harrison's principles of internal medicine, 19th edition. McGraw Hill Education, 2015.
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| Dopunska literatura  | 1. McCance KL, Huether SE. Pathophysiology-the biologic basis for disease in adults and children, 7th edition. Elsevier, 2014.
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| Načini praćenja kvalitete koji osiguravaju stjecanje utvrđenih ishoda učenja | * Analiza kvalitete nastave od strane studenata i nastavnika
* Analiza prolaznosti na ispitima
* Izvješća Povjerenstva za kontrolu provedbe nastave
* Izvaninstitucijska evaluacija (posjet timova za kontrolu kvalitete Nacionalne agencije za kontrolu kvalitete, uključenje u TEEP)
 |
| Ostalo (prema mišljenju predlagatelja) |       |