

Course description

Part 1

General information about the course	
1. Major of study: medicine	2. Study level: unified MSc 3. Form of study: intramural
4. Year: VI	5. Semester:
6. Course name: Family Practice	
7. Course status: required	
8. Course contents nad assigned learning outcomes	
Course content: 1. Surgical emergencies in orthopedics: • compartment syndrome • open fractures • gunshot wounds • musculoskeletal infections 2. Outpatient care for orthopedic disorders 3. Successful cooperation between a GP and an orthopedic surgeon 4. Imaging modalities in orthopedic surgery 5. The most common orthopedic misdiagnoses 6. Osteoarthritis (etiology, conservative treatment, indications for surgery) 7. The most common musculoskeletal injuries (etiology, mechanism, diagnosis, conservative treatment, indications for surgery) 8. The most common musculoskeletal disorders (etiology, pathogenesis, diagnosis, conservative treatment, indications for surgery) 9. The role of a GP in the follow-up after orthopedic surgery 10. First aid in injuries. Prehospital and in-patient BTLS and ATLS procedures management of life-threatening injuries (tension pneumothorax, cardiac tamponade, hypovolemic shock, pelvic fractures) 11. Rationale for conservative management of orthopedic disorders 12. Rationale for surgical treatment of orthopedic disorders 13. Indications, contraindications, risks and limitations of orthopedic surgery 14. Sports injuries 15. Back pain 16. Osteoporosis and fragility fractures After the course the student should be able to: • perform physical examination of a trauma patient • perform physical examination of a patient with musculoskeletal disorder • order diagnostic work-up • immobilize an injured limb in a splint • care for a patient with immobilized limb After the course the student should know: • mechanism and treatment of the most common musculoskeletal injuries • etiology and treatment of the most common musculoskeletal disorders • treatment for orthopedic emergencies • follow-up care after surgical treatment	

Learning outcomes / reference to learning outcomes indicated in the standards For knowledge – student knows and understands: F.W1.; F.W3.; E.W7 pkt 7 For skills student can do: F.U1.; F.U2.; F.U3.; F.U4.; F.U7; F.U8 For social competencies student is ready to: • is able to initiate and maintain contact with a patient, tactfully and with dignity • puts the good of the patient in the first place • respects the medical confidentiality and patient rights		
9. Number of hours for the course		40
10. Number of ECTS points for the course <i>*for the whole block of family practice sub-I</i>		9,5
11. Methods of verification and evaluation of learning outcomes		
Learning outcomes	Methods of verification	Methods of evaluation*
Knowledge	test examination – single choice question (oral exam in select cases)	marks: < 60% - 2, 60 - <68% - 3,0; 68 - <78% - 3,5; 78 - <84% - 4,0; 84 - <94% - 4,5; 94 - 100% - 5
Skills	demonstration of physical examination and/or the required exercises, active participation in classes/labs	correct demonstration of the required skills, proper performance of the required exercises
Competencies	assessment of student's performance during classes / labs	the student follows the local rules and regulations, respects medical confidentiality, initiates and maintains a tactful contact with a patient

* The following evaluation system has been assumed:

Very good (5,0) – the assumed learning outcomes have been achieved and significantly exceed the required level

Better than good (4,5) – the assumed learning outcomes have been achieved and slightly exceed the required level

Good (4,0) – the assumed learning outcomes have been achieved at the required level

Better than satisfactory (3,5) – the assumed learning outcomes have been achieved at the average required level

Satisfactory (3,0) – the assumed learning outcomes have been achieved at the minimum required level

Unsatisfactory (2,0) – the assumed learning outcomes have not been achieved

Course description

Part 2

Other useful information about the course		
12. Name of Department, mailing address, e-mail: Department of Orthopedics and Traumatology, 45/47 Ziołowa St., 40-635 Katowice, PL / +48 (32) 359 8270, ortopedia@gcm.pl		
13. Name of the course coordinator: Hanna Sikora		
14. Prerequisites for knowledge, skills and other competencies: 1. Basic knowledge of human anatomy (including radiologic anatomy) 2. Basic knowledge of physiology and patophysiology of the musculoskeletal system 3. Basic course of radiology 4. Basic course of first-aid and BLS techniques		
15. Number of students in groups	In accordance with the Senate Resolution	
16. Study materials	Multimedia presentations; Handbook of fractures (Egol K, Koval K, Zuckerman D)	
17. Location of classes	Department of Orthopedics and Traumatology, 45/47 Ziołowa St., 40-635 Katowice, PL	
18. Location and time for contact hours	Department of Orthopedics and Traumatology, 45/47 Ziołowa St., 40-635 Katowice, PL; 7:30-14:30	
19. Learning outcomes		
Number of the course learning outcome	Course learning outcomes	Reference to learning outcomes indicated in the standards
P_W01 / C_K01	knows and understands the causes, symptoms, principles of diagnosis and management of the most common musculoskeletal disorders requiring surgical intervention, in particular fractures and disorders affecting the limbs; the knowledge should include differences found in the pediatric patients.	F.W1.4; F.W2;
P_W02 / C_K02	Knows indications for surgical interventions in ortopedics and possibile complications	F.W3.
P_W03 / C_K03	Knows and understands the causes, symptoms, principles of diagnosis and management of osteoarthritis and osteoporosis.	E.W7 pkt 7
P_U01 / C_S01	assists in a typical surgery, prepares the operative field and performs local anaesthesia	F.U1
P_U02 / C_S02	properly uses basic surgical instruments	F.U2
P_U03/ C_S03	follows the principles of aseptic and antiseptic techniques	F.U3
P_U04/ C_S04	manages a simple wound, appplies and changes a sterile surgical dressing	F.U4

P_U05 / C_S05	assesses the x-ray examinations of the most common fractures, especially fractures of the long bones	F.U7
P_U06 / C_S06	performs temporary immobilization of an injured limb, selects the type of immobilization required for use in typical clinical situations and validates adequate blood supply to the limbs after immobilization	F.U8

20. Forms and topics of classes	Number of hours
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21.1. Lectures	10
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Surgical emergencies in orthopedics	2
The most common orthopedic misdiagnoses	2
Osteoarthritis (etiology, conservative treatment, indications for surgery)	2
First aid in injuries. Prehospital and in-patient BTLS and ATLS procedures	2
Sports injuries	2

23.3. Labs	30
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Outpatient care for orthopedic disorders	3
Imaging modalities in orthopedic surgery (reading X-rays)	3
The most common musculoskeletal injuries	3
The most common musculoskeletal disorders	3
Back pain	3
Osteoporosis and fragility fractures	3
Rationale for surgical management of orthopedic disorders	3
Principles of limb immobilization. Application of plaster-of-Paris	3
Indications, contraindications, risks and limitations of orthopedic surgery	3
Rationale for conservative surgical management of orthopedic disorders	3

24. Readings	
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Handbook of fractures (Egol K, Koval K, Zuckerman D)	
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25. Detail evaluation criteria

- demonstration of physical examination and/or the required exercises, active participation in classes/labs - correct demonstration of the required skills, proper performance of the required exercises**
- assessment of student's performance during classes / labs - the student follows the local rules and regulations, respects medical confidentiality, initiates and maintains a tactful contact with a patient**

for grade 2	for grade 3	for grade 4	for grade 5
the student is not able to comment on, does not know, do not know the required content (even with the help of a teacher)	the student knows facts / interprets facts adequately, has the knowledge required for achieving course objectives, knows the basic facts, and is able to give correct answers with assistance of the teacher	the student is able to give answers without assistance, knows most of the required content, and uses the correct language (medical terms)	the student knows / interprets the facts very well; student's answer is specific and comprehensive; the student is familiar with the required concepts, uses the correct language (medical terms), recognizes causative relations,

			draws appropriate conclusions	
the student is not able to perform the required activities, even with the help of a teacher	the student performs sufficiently, knows the basic facts, and with the help of a teacher properly performs the required exercise and/or interprets the results	the student performs the required exercises well and without assistance of a teacher; is able to interpret the results	the student performs the required exercise flawlessly, interprets the result, and is able to draw conclusions from the study	
the student is not able to initiate and maintain contact with a patient; is not able to put the good of the patient in the first place; does not respect medical confidentiality and/or the patient's rights	sufficiently initiates and maintains contact	initiates and maintains contact well	initiates and maintains contact very well	
	puts the good of the patient in the first place	puts the good of the patient in the first place	puts the good of the patient in the first place	
	respects medical confidentiality and the patient's rights	respects medical confidentiality and the patient's rights	respects medical confidentiality and the patient's rights	
	is able to self-study	is able to self-study	is able to self-study and	
In accordance with the recommendations of the inspection bodies Completion of the course – student has achieved the assumed learning outcomes Detail criteria for completion and evaluation of the course are specified in the course regulations				