

CODE	NAME	duration in months	duratuio in weeks	duratuio in days
<b>AR</b>	<b>ANESTESIOLOGY WITH REANIMATION- 1 month</b>	1		
31	Taking parts in 50 general anesthasias			
32	Evaluation and preparing 15 patients for planed surgical procedure			
33	Taking parts in 5 cardio-pulmonal reanimation			
34	Taking parts in 25 regional anesthasias			
35	Placing 10 central veins cateters			
<b>AS</b>	<b>ABDOMINAL SURGERY- 4 months</b>	4		
4	Apendicectomy			
5	Incarcerated hernias			
6	Dehicency of laparotomic wound			
7	Sutture of perforating ulcus			
8	Anastomosis of small intestin			
<b>DS</b>	<b>DUOSEMESTRAL LECTURES- 9 months</b>	9		
<b>OT</b>	<b>OBLIGATED TESTS</b>			
1	Orthopedic propaedeutics and surgical procedures			
2	Child orthopedy			
3	Neuroorthopedy			
4	Oncoorthopedy			
5	Diseases and trauma of vertebral columnae			
6	Diseases and trauma of upper extremity, hand and reconstructive microsurgery			
7	Diseases and trauma of pelvis,hip and cruris			
8	Diseases and trauma of knee			
9	Diseases and trauma of cruris,ankle and foot			
10	Pseudoarthrosis, bone defects, transplants and bone bank			
11	Diseases and trauma of foot			
<b>CO</b>	<b>COMBUSTIONS- 15 days</b>			15
36	Theoretical knowledge- first aid in combustions			
37	Theoretical knowledge- transport of patients with combustions			
38	Theoretical knowledge-primary care of fresh combustions			
39	Theoretical knowledge- evaluation of seriousness and grade of burned area			
40	Theoretical knowledge- pathophysiology of combustions			
41	Theoretical knowledge- mechanism of healing of combustions			
42	Theoretical knowledge- therapy of combustions in patients in shock			

43	Theoretical knowledge- urgent surgical treatment of combustions			
44	Theoretical knowledge- excision of combustioned wound			
45	Theoretical knowledge- taking and perserving of skin transplants			
46	Theoretical knowledge- indication of using free skin transplants			
47	Theoretical knowledge- basic of forming free skin transplants from tissue			
48	Theoretical knowledge- acute tubular necrosis and indications for haemodialysis			
49	Theoretical knowledge- combustions of aerotract			
50	Theoretical knowledge- negative energetic bilance in patients in combustions			
51	Theoretical knowledge- imunology aspects in patients with combustions			
52	Theoretical knowledge- chemical combustions and treatments			
53	Theoretical knowledge- massive combustions, combustions in polytrauma and war			
54	Practical knowledge- primary treatment of big combustion			
55	Practical knowledge-necrectomy with primary tangencial excision			
56	Practical knowledge-necrectomy with excision up to fascia			
57	Practical knowledge-taking autotransplants of skin with Watson knife or electrical dermatoma			
58	Practical knowledge-esharotomy			
59	Practical knowledge-fasciotomy			
<b>GT1</b>	<b>GENERAL ORTHOPEDIC - part of residence in 4 months of general orthopedic</b>			
60	Knowing of physiology of mussels,tendos, cartilage,bones and joints			
61	Knowing of anatomy of extremities and vertebral columnae with neurovascular structures			
62	Knowing of biomechanic of locomotor system			
63	Knowing of bone structure and embrional genesis of bones			
64	Knowing of bone healing, normal and abnormal			
65	Knowing of special signs of orthopedic deseases			
66	Knowing of technics of orthopedic examinations and tests			
67	Knowing of diagnostics locomotor system			

67	with lab and visual methods			
68	Knowing of usual orthopedic approaches on extremities and vertebral columnae			
69	Knowing of basic principals of physiotherapy and early postoperative rehabilitation			
70	Knowing of causes of complications, signs of complications and treatments			
71	Getting skills of technics of orthopedic reposition of bone fractures and reposition of luxated joints			
72	Getting skills of placing plaster immobilisation and usage of orthosis			
73	Getting skills in puncture of joints, bursae and cystic formations			
74	Knowing and treatments of sport injuries of soft tissue and bones and of fractures in fatigue			
75	Knowing of infections of bone and joints, treatments and rehabilitation			
76	Knowing of congenital diseases and deformities of extremities and vertebral columnae			
77	Knowing of metabolic and endocrine diseases of bone and joints system			
78	Knowing of auto-immune diseases in bone and joints system			
79	Knowing of degenerative diseases of joints and vertebral columnae			
80	Knowing of pineal gland affections			
81	Knowing of treatments of badly healed fractures, nonhealed fractures and pseudoarthrosis			
82	Knowing of neuropathies peripheral neurovascular structures and spinal cord			
83	Knowing of benign and malignant tumors of locomotor system			
84	Knowing of technics of amputations, problems stump and prosthetics			
85	Knowing of prosthetics for orthopedic patients			
86	Knowing of medical expertise in orthopedic and laws of medical insurance			
<b>GT2</b>	<b>GENERAL ORTHOPEDIC AND BONE AND JOINTS TRAUMATOLOGY</b>			
87	Independently doing X-rays with standard radiography in two projections of bone and joints system including special shooting in special positions, X-rays with contrast (arthrography, fistulography) at least 300			
88	Independently putting indications for CT and osteodensitometry, analysis and evaluations in 200 patients			
89	Independently putting indications for NMR and			

89	scintigraphy, analysis and evaluations			
90	Independently doing the ultrasonic diagnostic evaluations of results and matching the results with clinical picture-300 patients			
91	Independently making and monitoring 100 patients hystory of deseases			
92	Independently doing 20 functional examinations in displastic malfunction of hip			
93	Independently taking care of 30 cases of conservative treatments of congenital and acquired deformities			
94	Independently doing 50 compresive bandage, fixativ bandage,splint and circular plaster, and usage of plastic materials			
95	Independently doing manual reposition of luxated big and small joints - 30 patients			
96	Independently doing manual reposition of fractures - 150 patients			
97	Independently doing the local and regional anesthesia - 30 patients			
98	Independently doing special technics of putting contrasts and medications in goal of diagnostic and therapy - 150 patients			
99	Independently doing the punction and drainage of joints, bursas and formed cystas in goal of diagnostic and therapy - 40 patients			
100	Independently making indications for physical therapy (100 patients) and following and documenting process of therapy with different physical procedures and usage of orthopedic tools			
101	Independently doing and documenting program of education and prevention for patients in goal of taking care of their health			
102	Independently making indications of orthopedic tools, aparates, prosthesis and orthrosis for 50 patients with following, evaluation,taking measurements, making and putting orthopedic tools, aparates, prosthesis and orthrosis			
103	Independently documenting (for 50 patients) of usage of other orthopedic tools such as wheelchair, tools for everyday usage, including professional reeducation			
104	Independently documenting 50 individual program of medical, social and professional rehabilitation including law aspects			
105	Independently documenting diagnostic and differential diagnostic in phyhosomatic conditions in field of orthopedic (5 patients)			
106	Independently indicate and doing basic lab analysis, their interpretation and corelation with clinical condition			

107	Independently doing some procedures in domain of care and prevention of complications of hospitalized patients (urinary cateter, prevention and treatments of decubital wound)			
108	Independently indicate and taking samples for lab examinations (byopsis, smear) and for special lab examinations of body fluids and interpretations of results and compare them with clinical picture			
<b>PA</b>	<b>PATHOLOGY - 15 days</b>			15
1	Basic theoretical knowlegde in field of clinical pathology and participate in clinical authopsies	1		
<b>ST/1</b>	<b>SPECIAL ORTHOPEDY -VERTEBRAL COLUMN - 4 months</b>	4		
109	Non operative treatment of deformity of vertebral column (orthosis, plaster corset, reclination corsets)			
110	Non operative treatment of fracture and luxation of lumbal and thoracal spine without neurological simptoms ( Beler plaster)			
111	Non operative treatment of fracture and luxation of cervical spine with halo traction and plaster neck support			
112	Non operative treatment of infection of thoracal and lumbal spine with plaster or corsets			
113	Operative treatment of fracture and luxation of cervical spine with halo traction and plaster			
114	Operative treatment of fracture and luxation of thoraco-lumbal spine			
115	Operative treatment of tumors of vertebral column - byopsis and stabilisation of segments			
116	Operative treatment of spine deformities including taking autografts from illiac bone			
117	Operative treatment of infection of vertebral column			
<b>ST/2</b>	<b>SPECIAL ORTHOPEDY UPPER EXTREMITY - 10 months</b>	10		
118	Functional anatomy of locomotor system, biomechanic, basic of pathology and pathophysiology			
119	General concepts about injures of upper extremity			
120	Diagnostic procedure in deseases and injuries upper extremities, physical examination, lab, radiography, CT, NMR			
121	Basic in ultrasonography and usage of dopler in injuries and deseases of upper extremities			
122	Topographic anatomy and surgical approaches in treatment of upper extremity			
123	Patophysiology and basic treatment for neuromascular deseases of upper			

	extremities			
124	Patophysiology and basic treatment of postpartal paralysis, thorticolis as also deformities of upper extremities			
125	Differential diagnostic of pain,most common syndroms of upper extremity and ways of their treatments			
126	Non operative therapy, reposition of fracture and luxation of upper extremity, types of imobilisation of upper extremity,technics of making and application plaster splints, application of circular plasters as also making functional plasters, principles of extension methods of treatment, redresmans			
127	Technics of microsurgical, replantation, transplatation and reconstructive surgery on bones, soft tissue of upper extremity			
128	Getting skills of technic of operative treatment and caring of injuries of upper extremities, congenital and acquired deformities, contractures and ankylosis, as well as congenital and acquired deseases of upper extremities			
129	Treatment of systemic deseases of locomotor system, inflammatory deseases and conditions of bones and joints			
130	Degenerative deseases of upper extremities as a part of systemic deseases, as a result of congenital deformities,posttraumatic conditions, vascular disorders, tumors, their nonoperative and operative treatment with technics of diagnostic, treatment and rehabilitation			
131	Congenital deformities of fingers of the hand, acquired disorders, their diagnostic, therapy and rehabilitation including law aspects			
132	Affection of soft tissue of the hand,forearm, upperarm, shoulder			
133	Complications during nonoperative and operative treatment and their diagnostic, prevention and therapy			
134	Staged treatment of patients			
135	Postoperative care, shock and infection			
136	Treatment of war injuries, staged caring,war and peace minimum			
137	Indication for urgent operative intervention in orthopedic surgery and traumatology of upper extremities			
138	Complications of orthopedic treatment of upper extremities, treatment of nonsanated and badly sanated fractures, slow healing. Ishaemic, neurological, early and late complications of pseudoarthrosis, infection, thromboembolism,			

	contractures, amputation			
139	Postimmobilization and postoperative rehabilitation of patients with lesions of upper extremities			
140	Most common sports injuries of upper extremities, clinical picture, diagnostic, treatment and principles of rehabilitation			
141	Basic principles and technics of arthroscopic diagnostic and treatment			
142	Introduction with the ways of orthopedic prosthetics, usage of orthosis, prosthesis, orthopedic tools			
143	External fixation of fractures of upper extremities			
144	Internal fixation of fractures of upper extremities			
145	Extraction of osteosynthetic material			
146	Amputation of the extremities and parts of the extremities			
147	Arthroscopy of large joints			
148	Arthroscopy of small joints of the hand			
149	Diagnostic of injuries of peripheral nerves			
150	Treatment of injuries of peripheral nerves			
151	Treatment of acute vascular injuries (ligatures)			
152	Processing of wound of upper extremity ( different levels)			
153	Operative treatment of congenital paralysis			
154	Orthopedic reposition of acromioclavicular luxation			
155	Treatment of fracture of clavicle			
156	Orthopedic reposition of luxation of the shoulder			
157	Operative treatment of recurrent luxation of the shoulder			
158	Orthopedic reposition of fracture of humerus (different levels)			
159	Operative treatment of fracture of humerus (different levels)			
160	Orthopedic reposition of luxation of the elbow			
161	Operative treatment of luxation of the elbow			
162	Operative treatment of fracture of the elbow joint			
163	Nonoperative treatment of fracture of the olecranon			
164	Operative treatment of fracture of the olecranon			
165	Nonoperative treatment of fracture of the head of radius			
166	Orthopedic reposition of fracture of the forearm (different levels)			
167	Operative treatment of fracture of the forearm (different levels)			
168	Orthopedic reposition of fracture of the radius at the typical place			
169	Operative treatment of fracture of the radius at the typical place,position			
170	Nonoperative treatment of fracture of bones of the hand			
171	Operative treatment of fracture of bones of the hand			
172	Microsurgical replant and transplant procedures			
173	Free and bound vascular grafts			
174	Plastic free skin transplant by Thiersch			
175	Local anesthesia			
176	Regional anesthesia			
177	Different types of incisions for infection of the hand			
178	Debridement of the wounds in hand injuries			
179	Remodeling of fingerends of the hand			

180	Reconstruction of flexor tendons of the hand			
181	Reconstruction of extensor tendons of the hand			
182	Transposition tendoplasty of the hand			
183	Reconstruction of nerves in hand injuries			
184	Preparation of peripheral veins			
185	Partial ablation of fingernail with matrix			
186	Ablation of the fingernail			
187	Extraction of corporis alienum from skin and subcutaneous tissue			
188	Extirpation of benign tumors of skin and subcutaneous tissue			
189	Primary treatments of combustions and congelations of the hand			
190	Preparing the stump for prosthetics			
191	Basic problems and treatments of rheumatoid hand			
192	Basic treatments for Dupuytren disease			
193	Basic treatments for reflex sympathetic dystrophy (RSD)			
ST/3	SPECIAL ORTHOPEDY-LOWER EXTREMITY-12 months	12		
194	Surgical approaches and surgical anatomy of locomotor system			
195	Amputations			
196	Biopsy (punctional, incisional, excisional, resectional)			
197	Punctation of joints			
198	Principles of surgical treatment of infection of bones and joints (trepanation, curettage, sequestrectomy, resection, flow drainage)			
199	Surgical extraction of osteosynthetic material and joint implants			
200	Synovectomy of large joints			
201	Arthodesis			
202	Placement of skeletal extensions			
203	Placement of plaster immobilisation			
204	Making functional plasters			
205	Placement and refinement of orthosis			
206	Principles and technics of placement the extrafocal fixation			
207	Principles of Ilizarov method and basics of placement			
208	Principles of bone transplantation and technics of osteoplastic			
209	Principles of surgery for neoplasms of locomotor system			
210	Principles of treatment of specific infections of locomotor system			
211	Surgical treatment for congenital deformity of locomotor system			
212	Principles of surgical treatment for metabolic diseases of bone and joints			
213	Principles of surgical treatment for seropositive and seronegative arthropathy			
214	Surgical treatment for consequences of damage of central, motor, neuron			
215	Surgical treatment for consequences of peripheral nerves and muscles dystrophies			
216	Arthroscopy of large joints			
217	Principles of treatments for reflex sympathetic dystrophy			
218	Principles of treatments of ischaemic syndromes			
219	Diagnostic and principles of treatments of sports injuries			
220	Principles of physical rehabilitation after injuries and operative			



220	treatment of locomotor system			
221	Principles of usage the orthopedic tools			
222	Principles of local and regional anesthesia of locomotor system			
223	Basic principles, indications for usage and interpretation of the results "imageing" methods in orthopedy (CT,NMR,US, scintigraphy of bones) - doing the ultrasound examination of the hip independently			
224	Knowing diagnostic tests in clinical examination of locomotor system			
<b>ST/3A</b>	<b>SPECIAL ORTHOPEDY-LOWER EXTREMITY: PELVIS-part of residence during the 12 months of special orthopedy</b>			
225	Diagnostic of displasy of childs hip			
226	Nonoperative treatment of displastic hip			
227	Operative treatment of displastic hip (salter osteotomy, Chiari osteotomy and triple osteotomy)			
228	Osteotomy of pelvis in adults ( Chiari)			
229	Injuries of pelvis, diagnostic and making choices of treatments methods			
230	Nonoperative treatment for pelvic injuries			
231	External fixation for pelvic ring			
232	Internal fixation for pelvic ring combined with external fixation			
233	Isolated internal fixation of pelvic ring			
234	Nonoperative treatments for acetabulum			
235	Operative treatments for acetabulum			
236	Corrective osteotomy of pelvic in badly sanated pelvic fractures			
237	Operative treatment of primary and secondary neoplasmas of pelvic bones			
<b>ST/3B</b>	<b>SPECIAL ORTOPEDY -LOWER EXTREMITY:HIP- part of residence during the 12 months of special orthopedy</b>			
238	Ultrasound diagnostic for childs hip			
239	Nonoperative treatment of displastic hip			
240	Operative reposition of luxation in displastic hip			
241	Acetabuloplastic as method of treatment for displastic hip			
242	Central osteotomy as method of treatment for displastic hip			
243	Surgical treatment for Legg-Calve-Perthes disease			
244	Surgical treatment for femoral head epiphyseolysis			
245	Surgical treatment of postreductional osteochondritis			
246	Operative treatment of congenital hip deformity in children			
247	Nonoperative reposition of traumatic luxation of the hip			
248	Operative reposition of traumatic luxation of the hip			
249	Revascularisation procedures on hip in adults			
250	Intertrochanteric corrective osteotomy			
251	Total arthroplastic of hip			
252	Subtotal arthroplastic of hip			
253	Fixation of femoral neck fracture			
254	Fixation of intertrochanteric and subtrochanteric femoral fracture			
255	Operative treatment for periprosthetic hip fracture			
256	Revision arthroplastic procedures on hip			
<b>ST/3 G</b>	<b>SPECIAL ORTHOPEDY - LOWER EXTREMITY: FOOT- part of residence during the 12 months of special orthopedy</b>			
282	Principles of treatment of equinovarus and other congenital			

282	anomalis of foot			
283	Surgical treatments for acquired foot deformities			
284	Surgical treatments for degenerative deseases of foot joints			
285	Principles of treatments for diabetic foot			
286	Principles of nonoperative treatments for foot fractures			
287	Surgical treatments for foot fractures			
<b>ST/3 D</b>	<b>SPECIAL ORTHOPEDY - LOWER EXTREMITY: KNEE- part of residence during the 12 months of special orthopedy</b>			
260	Diagnostic and surgical treatments of injuries, anomalies and deseases of meniscus			
261	Diagnostic and principles of treatments if ligament injuries of the knee, surgical treatment for knee instability			
262	Surgical treatment axial deformity in knee region (corrective osteotomy)			
263	Diagnostic and treatments of patello-femoral disorders: pain syndroms and axial disorders with dislocation			
264	Diagnostic and treatments of disecant osteochondrit and free body in knee			
265	Treatments for knee contracture			
266	Principles of diagnosics and treatments for degenerative deseases of the knee: aloplastic with revision procedures			
267	Arthroscopy of the knee and knowledging about the possibilities of arthroscopy surgery			
268	Nonoperative treatment of joint fractures of the knee			
269	Surgical treatment of joint fractures of the knee			
270	Surgical treatments for patellar fracture			
271	Principles of surgical treatment for fractures in knee region in children			
272	Principles of treatments of neuropathic joint ( including ankle and foot )			
<b>ST/3E</b>	<b>SPECIAL ORTHOPEDY -LOWER EXTREMITY: CRURIS- part of residence during the 12 months of special orthopedy</b>			
273	Diagnostic and principles of treatment of congenital and acquired anomalies of tibia			
274	Principles of surgical treatments inequality of lower extremities			
275	Principles of nonoperative treatment for crural fracture, surgical treatment for crural fracture			
276	Principles of surgical treatment of nonsanated crural fracture			
<b>ST/3F</b>	<b>SPECIAL ORTHOPEDY -LOWER EXTREMITY: ANKLE- part of residence during the 12 months of special orthopedy</b>			
277	Principles of treatment for degenerative deseases of ankle			
278	Surgical treatment of disecant osteochondrit of talus (arthroscopy of ankle)			
279	Treatment of rupture of Achilles tendon			
280	Nonoperative treatment of ankle fracture			
281	Surgical treatment of ankle fracture			
<b>ST/3C</b>	<b>SPECIAL ORTHOPEDY -LOWER EXTREMITY: FEMUR- part of residence during the 12 months of special orthopedy</b>			
257	Nonoperative treatment of femural fracture			
258	Operative treatment of femural fracture in children			
259	Operative treatment of femural fracture in adults			
<b>TR</b>	<b>TRAUMATOLOGY - 8 months</b>		8	

9	Theoretical knowledge - functional anatomy of locomotor system			
10	Theoretical knowledge - basics of injury ethiopathogenesis (mechanism of genesis, clasifications)			
11	Theoretical knowledge - reanimation and shock therapy in trauma and polytrauma			
12	Theoretical knowledge - diagnostic procedures in traumatology (thorax, long bones)			
13	Theoretical knowledge - getting skills of ultrasound diagnostic of abdominal injuries			
14	Theoretical knowledge - conservative treatment of bone fracture			
15	Theoretical knowledge - trauma and haemoragic shock			
16	Theoretical knowledge - other vital systemic trauma complications ( thromboembolia, fat embolia, respiratory complications, digestive disorders)			
17	Theoretical knowledge- preparing patients for operative treatment			
18	Theoretical knowledge - postoperative care of patients			
19	Theoretical knowledge - operative procedures on bone and joint system			
20	Theoretical knowledge - indications for urgent operative procedures in trauma and polytrauma			
21	Theoretical knowledge - complications of bone fractures			
22	Theoretical knowledge - bone infections			
23	Practical knowledge - extension of long bones fractures of extremities			
24	Practical knowledge - reposition of fracture			
25	Practical knowledge - punction of joint effusion			
26	Practical knowledge - punction of large body cavities			
27	Practical knowledge - arthroscopy diagnostic			
28	Practical knowledge - treatment large defects of soft tissue			
29	Practical knowledge - thoracal drainage			
30	Practical knowledge - simple osteosynthesis with extraction of osteosynthetic material			
<b>SI</b>	<b>SURGICAL INFECTION -2 months</b>		2	
1	Treatment of soft tissue infection			
2	Panaritium treatment			
3	Treatment of diabetic gangrene			
<b>ST</b>	<b>SURGICAL INTENSIVE THERAPY - 1 month</b>		1	
1	Intensive care of surgical patients			





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