

Annexe 1

Objectifs de la formation postgraduée de base

The present learning goals are based on the Swiss Catalogue of Learning Objectives for Undergraduate Medical Training (SCLO2008) and have been adapted to the postgraduate training in General Internal Medicine.

The present list is not exhaustive and represents only learning objectives of particular importance.

Symbols and Definitions:

The learning objectives are classified according to the competence to be reached at the end of this part of the postgraduate training. The letter «D» refers to diagnosis, «T» to treatment.

The subsequent number indicates the level of competence to be achieved: «1» indicates that the candidate must know how to diagnose and treat the disease, respectively. «2» indicates that the candidate is competent to diagnose and treat, respectively, the majority of patients with the condition without assistance by the supervisor. Finally, the letter «E» denotes emergency items and indicates that a diagnosis and/or treatment may be particularly urgent.

Angiology

		D	T	E
1	Varicose veins	2	1	
2	Thrombophlebitis	2	2	
3	Deep vein thrombosis	1	2	
4	Venous and arterial ulcer	2	2	
5	Atherosclerosis (disseminated)	1	1	
6	Claudication	1	1	
7	Aneurysm of the thoracic or abdominal aorta (including dissection and rupture)	1	1	E
8	Arterial embolism	1	1	E
9	Thrombosis, arterial	1	1	
10	Arteriitis temporalis	1	2	E

Surgery

		D	T	E
1	Small cut or bruise	2	2	
2	Small area of burn or frostbite	2	2	
3	Skin abscess	2	2	
4	Distorsion of the ankle	2	2	
5	Acute abdomen	1	1	E
6	Brain concussion (commotio cerebri)	2	2	

Dermatology

		D	T	E
1	Herpes simplex	2	2	
	Herpes zoster	2	2	
2	Impetigo, lymphangitis	2	2	
	Erysipela	2	2	E
9	Acne vulgaris	2	2	
3	Erythema chronicum migrans	2	2	
4	Edema, Lymphedema,	2	2	
5	Ulcer (venous, arterial, mixed)	2	2	
6	Hirsutism	1	1	
	Alopecia	1	1	
8	Fungal infections (trichophytia, candidiasis)	2	2	
9	Pathologic changes of the nails (psoriasis, mycosis, dystrophy)	2	1	
10	Erythema nodosum	1	1	
11	Verrucae	2	2	
12	Nevi	1	2	
13	Tumor: squamous cell carcinoma, basal cell carcinoma, melanoma	1	1	
14	Eczema	2	2	

Endocrinology, Diabetology and Metabolism

		D	T	E
1	Diabetes mellitus type 1	2	2	
2	Diabetes mellitus type 2 (including glucose tolerance test in pregnancy)	2	2	
3	Diabetes mellitus, acute complications	2	2	E
4	Diabetes mellitus, chronic complications	2	1	
5	Hypoglycemia	2	2	E
6	Hyperthyroidism	2	2	E
7	Hypothyroidism	2	2	
8	Goiter, nodular / diffuse, including solitary nodules and thyroid carcinoma	1	1	
9	Thyroiditis (Hashimoto, De Quervain)	2	2	
10	Hypoparathyroidism (including differential diagnosis of hypocalcemia)	1	1	
11	Hyperparathyroidism (including differential diagnosis of hypercalcemia)	1	1	
12	Gynecomastia	1	1	
13	Hypogonadism	1	1	
14	Hirsutism	1	1	
15	Pituitary failure	1	1	E
16	Pituitary tumors (e.g. prolactinoma)	1	1	
17	Acromegaly	1	1	

		D	T	E
18	Diabetes insipidus central, nephrogenic	1	1	E
19	Hyperaldosteronism, primary, including Conn's syndrome	1	1	
20	Adreno-cortical failure	1	1	E
21	Cushing's syndrome, hypercortisolism	1	1	
22	Pheochromocytoma	1	1	E
23	Autoimmune polyglandular syndromes	1	1	
24	Dyslipoproteinemia / hyperlipoproteinemia	2	2	
25	Obesity / feeling too fat	2	2	
26	Anorexia, Bulimia	1	1	
27	Osteomalacia	1	2	
28	Osteoporosis	1	2	

Gastroenterology and Hepatology

		D	T	E
1	Stomatitis, recurrent aphthous	2	2	
3	Stomatitis, herpetic	2	2	
2	Candidiasis, mouth / throat (thrush)	2	2	
4	Dysphagie (achalasia, diffuse esophageal spasm and other etiologies)	1	1	
5	Reflux esophagitis, including Barrett's esophagus	1	2	
6	Tumors of the esophagus, malignant	1	1	
7	Esophageal varices	1	1	
9	Mallory-Weiss syndrome (esophageal mucosal tear)	1	2	
10	Hernia of the diaphragm, including hiatal hernia	1	2	
11	Gastritis, enteritis	2	2	
12	Gastroduodenal ulcer	1	1	
13	Gastrointestinal bleeding, upper and lower, acute and chronic	1	1	E
14	Tumors of the stomach	1	1	
15	Carcinoid tumors	1	1	
16	Malabsorption, maldigestion	1	2	
17	Celiac disease	1	2	
18	Malnutrition	2	2	
19	Food intolerance, food allergy	1	1	
20	Acute enteritis / colitis	2	2	
21	Parasitic bowel infestations (giardiasis, toxocariasis, amebiasis, helminthiasis)	1	1	
22	Colon carcinoma	1	1	
23	Colon polyps, polyposis of the colon	1	1	
24	Ischemic colitis	1	1	
25	Inflammatory bowel disease, including ulcerative colitis, Crohn's disease	1	1	
26	Pseudomembraneous colitis	1	1	
27	Diverticulosis / diverticulitis	1	2	
28	Proctitis	1	1	
29	Functional dyspepsia, irritable bowel syndrome	2	2	

		D	T	E
30	Constipation	2	2	
31	Diarrhea	1	1	
32	Ileus (mechanical / paralytic / proximal / distal)	1	1	
33	Rectal prolapse / anal prolapse	2	1	
34	Anal fissures	2	2	
35	Hemorrhoids	2	1	
36	Fecal incontinence	1	1	
37	Viral hepatitis	1	1	
38	Alcoholic hepatitis	1	1	
39	Non-alcoholic steato-hepatitis	1	1	
40	Cirrhosis of the liver	1	2	
41	Portal hypertension / ascites	1	1	
42	Liver abscess	1	1	E
43	Echinococcosis	1	1	
44	Liver tumors, primary	1	1	
45	Liver tumors, secondary (metastases)	1	1	
46	Paracetamol intoxication	2	1	E
47	Liver failure, acute and chronic	1	1	E
48	Cholecystitis, acute	1	2	E
49	Cholelithiasis including biliary colic	1	1	E
50	Carcinoma of the gallbladder	1	1	
51	Cholangiocarcinoma	1	1	
52	Pancreatitis, acute	2	1	E
53	Pancreatitis, chronic, including pseudocysts	1	1	
54	Pancreas in cystic fibrosis	1	1	
55	Pancreatic carcinoma	1	1	
56	Endocrine pancreatic tumors	1	1	

Gynecology and Obstetrics

		D	T	E
1	Adnexitis	1	1	
2	Salpingitis	1	1	
3	Endometriosis	1	1	
4	Vaginitis	2	2	
5	Pregnancy	2	1	
6	Eclampsia	1	1	E
7	Hypertension in pregnancy	1	1	
8	Amenorrhea	1	1	
9	Hypermenorrhea	1	1	
10	Endometriosis	1	1	
11	Menopause, regular and premature	1	2	
12	Breast tumor (cyst, fibroma, carcinoma)	1	1	
13	Uterine tumor (myoma, carcinoma)	1	1	
14	Ovarian tumor (cyst, carcinoma)	1	1	

Geriatrics

		D	T	E
1	Decubital ulcer	2	2	
2	Osteoporosis,	1	2	
3	Osteoporotic fracture (hip, spine, radius)	1	1	
4	Osteomalacia	1	1	
5	Macular degeneration	1	1	
6	Presbycusis	1	1	
7	Sexual dysfunction	1	1	
8	Dementia, vascular (including multi-infarction dementia, sub-cortical dementia)	1	1	
9	Alzheimer's disease	1	1	
10	Depressive episode	2	2	
11	Recurrent depressive disorder	2	1	
12	Depression in adults with somatic symptoms	2	2	
13	Sleep disorders in the elderly	2	2	
14	Delirium	1	1	
15	Agitation, aggressive behavior	2	2	
16	Parkinsonian syndromes	1	1	
17	Abuse and neglect of the elderly	1		
18	Malnutrition in the elderly	1	1	

Hematology

		D	T	E
1	Iron deficiency anemia	2	2	
2	Anemia associated with chronic diseases	2	2	
3	Hemolytic anemia	2	2	
4	Aplastic / hypoplastic anemia	1	1	
5	Macrocytic anemia	2	2	
6	Hemoglobinopathies	1	1	
6	Polycythemia vera	1	1	
7	Agranulocytosis	1	1	E
8	Lymphomas (Hodgkin's / non-Hodgkin)	1	1	
9	Acute leukemia	1	1	
10	Chronic lymphocytic leukemia	1	1	
11	Chronic myeloid leukemia	1	1	
12	Myeloma, monoclonal gammopathy of unknown significance (MGUS)	1	1	
13	Waldenström's macroglobulinemia	1	1	
14	Thrombocytopenia	1	1	E
15	Thrombocytosis	1	1	
16	Hemophilia A and B	1	1	
17	Von Willebrand's disease	1	1	
18	Thrombophilia (factor V Leiden)	1	1	E

		D	T	E
19	Disseminated intravascular coagulation	1	1	E

Immunology and allergology

		D	T	E
1	Allergic reactions (conjunctivitis, rhinitis, anaphylaxis, skin rash, asthma, Quincke's edema, eczema, diarrhea)	2	2	E
2	Desensitization (hymenopter venom allergy)	1	1	
3	Acquired immunodeficiency	1	1	
4	Hereditary immunodeficiency	1	1	
5	Autoimmune diseases	1	1	
6	Fever in the immune-competent and in the immune-incompetent individual	2	1	E

Infectiology

		D	T	E
1	Acquired immunodeficiency syndrome (AIDS)	1	1	
2	Nosocomial infections	1	1	
3	Infections in the immunocompromized host	1	1	
4	Amebiasis	1	1	
5	Toxoplasmosis	1	1	
6	Parasitic bowel infestations (giardiasis, toxocariasis, amebic disease, helminthiasis)	1	1	
7	Typhoid fever	1	1	
8	Diarrheal diseases, acute infectious (including traveler's diarrhea)	1	2	
9	Clostridium difficile infection	1	1	
11	Herpes simplex	2	2	
12	Varicella / Herpes zoster	2	2	
13	Cytomegaly	1	1	
14	Mononucleosis, infectious	1	1	
15	Acute lymphangitis and lymphadenitis	2	2	
16	Influenza	1	2	
17	Tetanus	1	1	
18	Tuberculosis	2	1	
19	Septicemia	2	1	E
20	Borreliosis, erythema chronicum migrans	1	1	
21	Brucellosis	1	1	
22	Poliomyelitis	1	1	
23	Rabies	1	1	E
24	Erysipela	2	2	E
25	Toxic shock syndrome, staphylococcal / streptococcal	1	1	E
26	Meningitis / encephalitis	2	1	E
27	Syphilis	1	1	

		D	T	E
28	Endocarditis, bacterial	1	1	E
29	Rheumatic fever	1	1	
30	Pneumonia, community and hospital acquired	2	2	E
31	Urinary tract infection, pyelonephritis	2	2	
32	Osteomyelitis, acute / chronic	1	1	
33	Septic spondylitis, spondylodiscitis	1	1	
34	Malaria	1	1	
35	Antibiotic resistance, in particular multi-resistant S. aureus [MRSA]	1	1	

Intensive Care

		D	T	E
1	Acute dyspnoe (pneumothorax, pulmonary embolism, myocardial failure, cardiac arrhythmia, pleural effusion, etc.)	1	1	E
2	Carbon monoxide poisoning	2	1	E
3	Paracetamol intoxication	2	1	E
4	Erythema multiforme	1	1	E
5	Stevens-Johnson's syndrome	1	1	E
6	Intoxication by psychotropic and illicit drugs, including heroin, cocaine, amphetamine	2	1	E
7	Shock, cardio-circulatory failure	2	1	E
8	Severe asthma	2	1	E
9	Respiratory failure	1	1	E
10	Adult respiratory distress syndrome (ARDS)	1	1	E
11	Myocardial infarction	1	1	E
12	Atrial fibrillation, atrial flutter	2	2	E
13	Atrio-ventricular heart block, complete	2	1	
14	Severe pulmonary embolism	1	1	E
15	Ventricular tachycardia	2	1	
16	Ventricular fibrillation	2	1	E
17	Coma, Glasgow Coma Scale Grading	1	1	E
18	Septicemia	1	1	E
19	Water and electrolyte and acid-base disturbances, severe complications	2	1	
20	Ketoacidosis in diabetes mellitus	2	1	
21	Hyperosmolar coma in diabetes mellitus	2	1	
22	Thyroid storm and coma	2	1	
23	Panhypopituitarism	1	1	E
24	Status epilepticus	2	1	E
25	Guillain-Barré syndrome and related disorders	1	1	E
26	Renal failure, acute, in adults	2	1	
27	Tetanus	1	1	
28	Acute stroke	2	1	E
29	Intracranial hemorrhage (epidural, subdural, subarachnoid, intracerebral)	1	1	E

		D	T	E
30	Brain death	1		
31	Acute abdomen	1	1	E
32	Vomiting	2	2	E
33	Corrosive burns due to acids and alkalis	2	1	E
34	Burns	2	1	E
35	Blunt thoracic and abdominal trauma	1	1	E
36	Hypothermia, heatstroke, heat exhaustion	2	1	E

Cardiology

		D	T	E
1	Angina pectoris, stable and unstable	2	1	E
2	Myocardial infarction	2	1	E
	Cardiac arrhythmias	1	1	
4	Sinus tachycardia	2	2	
5	Supraventricular tachycardia	2	2	
6	Atrial fibrillation and atrial flutter	2	1	
7	Supraventricular an ventricular premature beats	2	1	
8	Ventricular tachycardia	2	1	
9	Ventricular fibrillation	2	1	E
10	Atrio-ventricular heart block, complete	2	1	
11	Bundle branch block, hemiblocks	2	1	
12	Aortic aneurysm, thoracic and abdominal and dissection	1	1	E
13	Coarctation of the aorta	1	1	
14	Aortic regurgitation and stenosis	1	1	
15	Mitral regurgitation and stenosis	1	1	
16	Tricuspid regurgitation	1	1	
17	Atrial septal defect	1	1	
18	Ventricular septal defect	1	1	
19	Cardiomyopathy, dilatative and hypertrophic obstructive	2	1	
20	Cardiogenic shock	2	1	E
21	Cardio-respiratory arrest	2	1	E
22	Heart failure, left / right ventricular failure	2	1	
23	Arterial hypertension, essential and secondary	2	2	
24	Myocarditis	1	1	
25	Pericarditis incl. pulsus paradoxus	1	1	
26	Pulmonary hypertension, cor pulmonale	1	1	
27	Bacterial endocarditis	1	1	E
28	Pulmonary embolism	1	1	E
29	Syncope	2	1	E

Nephrology

		D	T	E
1	Urinary tract infection (cystitis / urethritis / pyelonephritis)	2	2	
2	Glomerulonephritis, acute	1	1	E
3	Glomerulonephritis, chronic	1	1	
4	Nephritis, interstitial	1	1	
5	Nephrotic syndrome	1	1	
6	Polycystic kidney disease	1	1	
7	Urolithiasis / renal colic	2	2	E
8	Renal failure, acute	2	1	E
9	Renal failure, chronic	2	1	
10	Arterial hypertension, essential and secondary	2	2	
11	Carcinoma of the urinary bladder, the ureter and the renal pelvis)	1	1	
12	Urinary incontinence	1	1	

Neurology

		D	T	E
1	Epilepsy: generalized and partial seizures, absence seizures	1	1	E
2	Seizures, focal and generalized	1	1	E
3	Status epilepticus	1	1	E
4	AIDS, neurological complications	1	1	
5	Alcohol intoxication and chronic side effects	2	1	E
6	Amyotrophic lateral sclerosis	1	1	
7	Acute cerebellar syndromes (gait ataxia, limb ataxia, nystagmus, abnormal Romberg test)	1	1	
8	Autonomic nervous system, disorders of (including secondary, side effect of drugs)	1	1	
9	Paroxysmal benign positional vertigo (cupulo- and canalolithiasis)	1	1	
10	Cauda equina syndrome	2	1	E
11	Cerebral palsy	1	1	
12	Cranial nerve disorders	1	1	
13	Peripheral palsy / paralysis of facial nerve (idiopathic, borreliosis, viral, traumatic, neoplastic)	1	1	
14	Degenerative nervous system disease, subacute combined (dementia and other neurological signs)	1	1	
15	Encephalopathies (metabolic, endocrine, autoimmune, mitochondrial)	1	1	E
16	Intracranial hemorrhage (epidural, subdural, subarachnoidal, intracerebral)	1	1	E
17	Transient ischemic attack (TIA)	2	1	E
18	Cerebral infarction including extracranial obstruction	1	1	E
19	Cerebral venous thrombosis (e.g. thrombosis of the sinus sagittalis superior)	1	1	E

		D	T	E
20	Raised intracranial pressure	1	1	
21	Prefrontal neuropsychiatric syndromes	1	1	
22	Guillain-Barré syndrome and related disorders	1	1	E
23	Encephalitis	1	1	
24	Horner's syndrome	1	1	
25	Huntington's disease	1	1	
26	Hydrocephalus with normal pressure	1	1	
27	Menière's disease	1	1	
28	Brain tumor (glioma, etc.)	1	1	
29	Meningioma	1	1	
30	Cerebral metastases	1	1	
31	Spinal cord tumors including metastases	1	1	
32	Brain abscess	1	1	E
33	Migraine and related disorders (cluster headache, Migraine aura without headache)	2	2	
34	Alzheimer's disease	1	1	
35	Vascular dementia (including multi-infarction dementia, sub-cortical dementia)	1	1	
36	Multiple sclerosis	1	1	
37	Muscular dystrophy	1	1	
38	Myasthenia gravis and related disorders	1	1	
39	Spina bifida / neural tube defects (including myelomeningocele)	1	1	
40	Neurofibromatosis (von Recklinghausen's disease)	1	1	
41	Neurogenic bladder	1	1	
42	Polyneuropathy	1	1	
43	Peroneal palsy	1	1	
44	Radial and ulnar nerve palsy	1	1	
45	Radicular syndromes, cervical / lumbar	1	1	
46	Parkinsonian syndromes and Parkinson's disease	1	1	
47	Myopathies, chronic / subacute	1	1	
48	Restless legs	1	1	
49	Consciousness, disturbances of (Glasgow-Coma Scale)	2	1	E
50	Tension headache	2	2	
51	Head trauma (minor traumatic brain injury (mTBI) / concussion / contusion / epidural hematoma / subdural hematoma)	1	1	E
52	Tremor, essential and symptomatic	1	1	
53	Trigeminal neuralgia	1	1	
54	Vestibular function, sudden loss of (vestibular neuritis)	1	1	E
55	Brain stem infarction (e.g. Wallenberg's syndrome)	1	1	
56	Wernicke-Korsakoff's encephalopathy, organic amnesic syndrome	1	1	E
57	Whiplash injury	1	1	
58	Organic confusional state	1	1	E

Oncology

		D	T	E
1	Lung carcinoma	1	1	
2	Pulmonary metastases	1	1	
3	Brain tumor (meningioma, glioma)	1	1	
4	Brain metastases	1	1	E
5	Bone metastases	1	1	
6	Breast cancer	1	1	
7	Carcinoma of the prostate	1	1	
8	Tumors of the gastrointestinal tract	1	1	
9	Metastasis of the adrenal gland	1	1	E
10	Kidney tumor	1	1	
11	Ovarian cancer	1	1	
12	Uterus cancer	1	1	
13	Leukemias acute and chronic	1	1	
14	Hodgkin's lymphoma	1	1	
15	Hypercalcemia	1	2	E
16	Tumor lysis syndrome	1	1	E

Ophthalmology

		D	T	E
1	Blepharitis	2	2	
2	Hordeolum / chalazion	2	2	
3	Conjunctivitis	2	2	
4	Cataract	1	1	
5	Glaucoma	1	1	E
6	Foreign body of the cornea	1	1	
7	Acute retinal detachment	1	1	E
8	Acute loss of vision	1	1	E
9	Double vision	1	1	
10	Photophobia	1	1	
11	The "red eye"	1	2	
12	Exophthalmos	1	1	
13	Ptosis	1	1	
14	Edema of the eyelid	1	1	

Oto-Rhino-Laryngology

		D	T	E
1	Acute hearing loss	1	1	E
2	Presbycusis	1	1	
3	Acute external otitis	2	2	
4	Acute otitis media	2	2	

		D	T	E
5	Tinnitus	1	1	
6	Acute sinusitis	2	2	
7	Allergic rhinitis	2	2	
8	Epistaxis	2	2	
9	Acute pharyngitis / tracheitis	2	2	
10	Aphonia, change of voice, hoarseness	1	1	
11	Sicca syndrome, dry mucosae	1	1	

Pediatrics

		D	T	E
1	Viral respiratory infection including pertussis and respiratory syncytial virus infection and pseudo croup	2	2	E
2	Infectious diseases in childhood, including recommended immunization schedule	2	2	
3	Meningitis	1	1	E
4	Fever and its complications (heat stroke, seizure)	1	1	E
5	Cystic fibrosis	1	1	
6	Diarrhea	2	2	
7	Eating disorders	1	1	
8	Pain, in particular headache and abdominal pain	1	1	
9	Failure to thrive	1	1	
10	Growth retardation	1	1	

Pharmacotherapy

1	Pharmacological concepts: potency of drugs; efficacy; therapeutic index
2	Pharmacokinetic parameters, loading and maintenance doses under normal conditions
3	Drug administration routes and pharmaceutical forms
4	Therapeutic drug monitoring (indications, modalities, principles of dosing adaptations, timing and blood sampling, detection of incorrect laboratory results)
5	Prescribing during pregnancy and breast feeding (safe drugs for common conditions, risks of drugs)
6	Principles of prescribing in childhood based on body weight and body surface area
7	Prescribing in the elderly (pharmacokinetic and dynamic variables and principles of adaptation of dosing)
8	Drug-to-drug interactions (basic pharmacokinetic and pharmacodynamic mechanisms, common drug interactions, use of reference CYP P450 tables)
9	Influence on drug metabolism of gender, diet, tobacco and alcohol, naturally occurring and polluting substances (including enzyme induction and inhibition)
10	Influence of genomics on pharmacokinetics and pharmacodynamics, association with interindividual variability in efficacy and toxicity
11	Prescribing in renal / liver disease (pharmacokinetic changes, drug dosing, adaptations depending on the creatinine clearance / liver function)
12	Prescribing in heart failure

13	Adverse drug events (frequency, classification, detection and prevention, risk factors, drug allergy, drug toxicity, importance of toxic drug metabolites, information to patients)
14	Definition of pharmaco-vigilance (causality assessment, reporting)
15	Drug approval, roles of regulatory (cantonal and federal) authorities
16	Prescribing, legal principles
17	Placebo treatment (mechanism, importance in clinical research, ethical implications)
18	Development of new drugs (preclinical development; phases of clinical trials)
19	Pharmaco-economics: Defined Daily Dose (DDD), pricing and cost effectiveness of drugs
20	Pharmaceutical market (industrial, economic, legal and political factors)
21	Drug reimbursement (Swiss Federal Office of Public Health [BAG/OFSP] drug list)
22	Drug efficacy, efficiency and effectiveness, definition of therapeutic progress (based on drug usefulness vs. existing drugs)
23	Sources of information on drug treatment
24	Drug-marketing (innovative molecule, me-too molecule, new indication for established drug, new formulation, new treatment methods, biased information)

Pneumology

		D	T	E
1	Bronchitis, acute / pneumonia	2	2	
2	Tracheitis, acute / chronic	2	2	
3	Chronic obstructive pulmonary disease (COPD), bronchitis chronic	2	2	
4	Lung emphysema	2	1	
5	Bronchiectasis	1	1	
6	Hyperventilation syndrome	2	2	
7	Bronchial asthma, acute / chronic	2	2	E
8	Atelectasis	1	1	
9	Empyema (pleura)	1	1	E
10	Lung abscess	1	1	
11	Lung disease, interstitial	1	1	
12	Lung fibrosis	1	1	
13	Sarcoidosis	1	1	
14	Pulmonary embolism, lung infarction	1	1	E
15	Mediastinitis	1	1	
16	Mesothelioma	1	1	
17	Pleurisy	1	1	
18	Pneumothorax, including tension pneumothorax	2	1	E
19	Respiratory failure, hypoventilation	1	1	E
20	Sleep apnea syndrome, obstructive / central	1	1	
21	Pleural effusion (transsudates, exsudates due to inflammatory, parainfectious, malignant and other processes)	2	1	
22	Hemoptysis	1	1	E
23	Cough	2	2	

Psychiatrics

		D	T	E
1	Acute risk of suicide.	2	1	E
2	Psychosis, acute and chronic	1	1	E
3	Depression	1	1	
4	Alcohol and drug dependence	2	2	
5	Drug and alcohol withdrawal	1	1	

Rehabilitation

		D	T	E
1	Rehabilitation of polymorbid patients with dysfunction of several organ systems (musculo-skeletal, cardiac, pulmonary, neurogenic)	1	1	

Rheumatology

		D	T	E
1	Arthritis due to crystals (pseudogout), gout	2	2	
3	Arthritis, monoarticular	1	1	
4	Arthritis, rheumatoid	1	1	
6	Arthritis, septic	1	1	E
7	Arthritis, viral	2	2	
8	Arthritis, psoriatic	1	1	
9	Arthritis reactive, Reiter's disease (arthritis, urethritis and conjunctivitis)	1	2	
10	Carpal tunnel syndrome	1	1	
11	Dupuytren's contracture	1	1	
12	Erythema nodosum	1	1	
13	Fibromyalgia	1	1	
14	Frozen shoulder, periarthropathia humero-scapularis	2	1	
15	Morton's neuralgia	1	1	
16	Paget's disease of bone, osteitis deformans	1	1	
17	Polymyalgia rheumatica	1	1	
18	Temporal arteritis, giant cell arteritis	1	1	E
19	Myositis, infectious	1	1	
20	Osteoarthritis deformans	2	1	
21	Epiphyseal instability / epiphysiolysis	1	1	
22	Aseptic necrosis of bone, including Osgood-Schlatter / Perthes	1	1	
23	Epicondylitis lateral / medial	2	2	
24	Prepatellar / olecranon bursitis	2	2	
25	Periarthropathy of the hip	1	1	
26	Chondromalacia patellae	2	2	
27	Achilles tendinitis	2	2	

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28	Pes planus	2	1	
29	Congenital foot deformity	1	1	
30	Reflex sympathetic dystrophy (Sudeck), complex regional pain syndrome	1	1	
31	Hernia of intervertebral disc	1	1	E
32	Low back pain, common	2	2	
33	Spinal deformation (kyphosis, scoliosis, lordosis, including juvenile kyphosis = Scheuermann's disease)	2	2	
34	Ankylosing spondylitis	1	1	
35	Spinal canal stenosis (cervical, lumbar)	1	1	E
436	Spondylarthrosis, spondylosis	1	1	
37	Spondylolisthesis	1	1	
38	Spondylolysis	1	1	
39	Sjögren's syndrome	1	1	
40	Systemic sclerosis, progressive (scleroderma)	1	1	
41	Lupus erythematosus, systemic	1	1	
42	Raynaud's disease / Raynaud's phenomenon	1	1	

Further Knowledge

1	Preoperative evaluation of the risk for surgery
2	Management of postoperative needs: fluid and electrolytes, blood and blood products, nutrition, prophylaxis of venous thrombosis, stress ulcer and pneumonia
3	Demography and epidemiology of ageing (on global, national, and regional level)
4	Principles of long-term institutional and home care
5	Multimorbidity in old age, concept and consequences
6	Nonspecific or atypical presentation of disease in old age
7	Social isolation of the elderly
8	Bio-psycho-social model of the International Classification of Functioning, Disability and Health (ICF)
9	Travelers' medicine, including recommendations for vaccinations
10	List of notifiable infectious diseases
11	Renal replacement therapy (hemo- and peritoneal dialysis, transplantation)
12	Renal and hepatic side effects of prescribed and over-the-counter drugs
13	Drug prescribing in the elderly
14	Mental retardation
15	Problems related to workplace, family, and partner
16	Contraception (methods, side effects)
17	Principles of palliative treatment
18	Death: medico-legal inspection
19	Rehabilitation in the disabled elderly and/or multimorbid person