
CONTENTS

1. LEGAL ACTS IN THE PROFESSION OF A NURSE	1
<i>Iwona Kluczek</i>	
2. WASTE SEGREGATION	3
<i>Katarzyna Majka</i>	
3. HAND HYGIENE AND USING GLOVES	5
<i>Iwona Kluczek</i>	
4. POST-EXPOSURE PROCEDURES	15
<i>Marzena Jaciubek</i>	
5. GENERAL RULES APPLICABLE WHILE PERFORMING NURSING PROCEDURES	17
<i>Marzena Jaciubek</i>	
6. HYGIENIC PROCEDURES	19
<i>Iwona Kluczek, Katarzyna Majka, Karolina Prasek, Małgorzata Fedak, Józefa Czarnecka</i>	
6.1. Making the bed	19
<i>Iwona Kluczek</i>	
6.2. Changing the bed linen for a lying patient	30
<i>Karolina Prasek</i>	
6.3. Changing the underwear of a lying patient	38
<i>Karolina Prasek</i>	
6.4. Bathing a patient in bed	40
<i>Katarzyna Majka</i>	
6.5. Baby bath	48
<i>Józefa Czarnecka</i>	
6.6. Percussion	52
<i>Katarzyna Majka</i>	

6.7. Washing the head of a severely ill patient lying in bed	54
<i>Karolina Prasek</i>	
6.8. Oral hygiene in a severely ill patient	58
<i>Iwona Kluczek</i>	
6.9. Oral suctioning	62
<i>Iwona Kluczek</i>	
6.10. Bedpan and urine bottle application	64
<i>Małgorzata Fedak</i>	
6.11. Changing adult diapers	73
<i>Małgorzata Fedak</i>	
6.12. Helping the patient to stand up and transfer to a chair, wheelchair or bed	77
<i>Małgorzata Fedak</i>	
6.12.1. Assisting a patient with at least one functional leg or a weakened patient from the bed to a wheelchair (by one nurse)	78
<i>Małgorzata Fedak</i>	
6.12.2. Placing a patient with non-functioning limbs or an uncooperative patient from the bed to a wheelchair (by two people)	80
<i>Małgorzata Fedak</i>	
6.12.3. Moving the patient within the bed	82
<i>Małgorzata Fedak</i>	
6.13. Positioning the patient in bed	84
<i>Małgorzata Fedak</i>	
6.13.1. High Fowler's position	84
<i>Małgorzata Fedak</i>	
6.13.2. Semi-Fowler's position (semi-high)	86
<i>Małgorzata Fedak</i>	
6.13.3. Lateral position	87
<i>Małgorzata Fedak</i>	
6.13.3.1. Lateral recumbent position	89
<i>Małgorzata Fedak</i>	
6.13.3.2. The Sims position (safe) – side-lying with forward rotation	91
<i>Małgorzata Fedak</i>	
6.13.4. Prone position	93
<i>Małgorzata Fedak</i>	

6.13.5. Supine positions	96
<i>Małgorzata Fedak</i>	
6.13.5.1. Trendelenburg position	98
<i>Małgorzata Fedak</i>	
6.13.5.2. Anti-Trendelenburg position	100
<i>Małgorzata Fedak</i>	
7. TAKING MEASUREMENTS OF BASIC VITAL AND ANTHROPOMETRIC PARAMETERS	101
<i>Marzena Jaciubek, Karolina Prasek, Iwona Kluczek</i>	
7.1. Body temperature measurement	101
<i>Karolina Prasek</i>	
7.2. Heart rate measurement	106
<i>Karolina Prasek, Marzena Jaciubek</i>	
7.3. Blood pressure measurement	109
<i>Marzena Jaciubek</i>	
7.4. Breath measurement and observation	112
<i>Marzena Jaciubek</i>	
7.5. Capillary refill test	114
<i>Marzena Jaciubek</i>	
7.6. Saturation	115
<i>Marzena Jaciubek</i>	
7.7. Pain assessment	116
<i>Marzena Jaciubek</i>	
7.8. Anthropometric measurements	117
<i>Iwona Kluczek</i>	
7.8.1. Height measurement	117
<i>Iwona Kluczek</i>	
7.8.2. Weight measurement	120
<i>Iwona Kluczek</i>	
7.8.3. BMI Indicator	122
<i>Iwona Kluczek</i>	
7.8.4. Measurement of head circumference	123
<i>Iwona Kluczek</i>	
7.8.5. Measurement of chest circumference	124
<i>Iwona Kluczek</i>	
7.8.6. Measurement of waist circumference	125
<i>Iwona Kluczek</i>	

7.8.7. Measurement of hip circumference	126
<i>Iwona Kluczek</i>	
7.8.8. Measurement of arm circumference	126
<i>Iwona Kluczek</i>	
7.8.9. Measurement of skinfold thickness	126
<i>Iwona Kluczek</i>	
7.8.9.1. Measurement above the triceps muscle	127
<i>Iwona Kluczek</i>	
7.8.9.2. Measurement above the biceps muscle	127
<i>Iwona Kluczek</i>	
7.8.9.3. Skinfold measurement under the subscapular site	127
<i>Iwona Kluczek</i>	
7.8.9.4. Skinfold measurement over the suprailiac site	128
<i>Iwona Kluczek</i>	
7.9. Vision screening test	129
<i>Marzena Jaciubek</i>	
7.10. Hearing screening	131
<i>Marzena Jaciubek</i>	
7.11. Fluid balance	132
<i>Marzena Jaciubek</i>	
8. GASTROINTESTINAL PROCEDURES	135
<i>Anna Zera, Magdalena Musioł, Iwona Kluczek</i>	
8.1. Insertion of a gastric tube	135
<i>Anna Zera</i>	
8.2. Gastric lavage	138
<i>Anna Zera</i>	
8.3. Enteral nutrition	140
<i>Anna Zera</i>	
8.3.1. Feeding the patient through a gastric tube	140
<i>Anna Zera</i>	
8.3.2. Feeding the patient through a gastrostomy tube	142
<i>Anna Zera</i>	
8.4. Rectal procedures	145
<i>Magdalena Musioł</i>	
8.4.1. Cleansing enema	145
<i>Magdalena Musioł</i>	
8.4.2. Laxative enema	149
<i>Magdalena Musioł</i>	

8.4.3. Therapeutic enema	151
<i>Magdalena Musioł</i>	
8.4.4. Rectal infusion	154
<i>Magdalena Musioł</i>	
8.4.5. Rectal tube for flatus relief	157
<i>Magdalena Musioł</i>	
8.5. Stoma	159
<i>Iwona Kluczek</i>	
8.5.1. Stoma bag replacement	159
<i>Iwona Kluczek</i>	
8.5.2. Skin care around stoma	161
<i>Iwona Kluczek</i>	
9. ANTI-INFLAMMATORY TREATMENTS	163
<i>Marzena Jaciubek, Józefa Czarnecka, Magdalena Musioł</i>	
9.1. Introduction	163
<i>Marzena Jaciubek</i>	
9.2. Warm compress	165
<i>Józefa Czarnecka</i>	
9.3. Cold compress	167
<i>Józefa Czarnecka</i>	
9.4. Wet cold compress	169
<i>Józefa Czarnecka</i>	
9.5. Medical cups	171
<i>Magdalena Musioł</i>	
10. ADMINISTRATION OF MEDICATIONS	175
<i>Marzena Jaciubek, Iwona Kluczek, Katarzyna Majka</i>	
10.1. General rules for storage, preparation and administration of medications	175
<i>Marzena Jaciubek</i>	
10.2. Oral administration of medications	177
<i>Marzena Jaciubek</i>	
10.3. Administration of medications sublingually/buccally	179
<i>Marzena Jaciubek</i>	
10.4. Administration of medications through the mucous membranes	181
<i>Iwona Kluczek</i>	
10.4.1. Administering of medications to the eye	181
<i>Iwona Kluczek</i>	

10.4.2.	Conjunctival sac irrigation	183
	<i>Iwona Kluczek</i>	
10.4.3.	Administration of medications into the ear	185
	<i>Iwona Kluczek</i>	
10.4.4.	Ear irrigation	187
	<i>Iwona Kluczek</i>	
10.4.5.	Administration of medications into the nose	189
	<i>Iwona Kluczek</i>	
10.4.6.	Administration of a suppository per rectum	192
	<i>Iwona Kluczek</i>	
10.4.7.	Administration of drugs vaginally	193
	<i>Iwona Kluczek</i>	
10.5.	Administration of medications through the respiratory system	195
	<i>Katarzyna Majka</i>	
10.5.1.	Inhalation	195
	<i>Katarzyna Majka</i>	
10.5.2.	Oxygen administration	199
	<i>Katarzyna Majka</i>	
10.5.3.	Postural drainage	202
	<i>Katarzyna Majka</i>	
10.6.	Topical administration of medications	206
	<i>Marzena Jaciubek, Katarzyna Majka</i>	
10.6.1.	Applying medications onto the skin	206
	<i>Katarzyna Majka</i>	
10.6.2.	Transdermal therapeutic system	209
	<i>Marzena Jaciubek</i>	
11.	COLLECTING SAMPLES FOR TESTING	213
	<i>Marzena Jaciubek, Mirella Sulewska, Karolina Prasek</i>	
11.1.	Urine – general examination and culture	213
	<i>Marzena Jaciubek</i>	
11.2.	24-hour urine collection	216
	<i>Marzena Jaciubek</i>	
11.3.	Stool analysis	217
	<i>Mirella Sulewska</i>	
11.4.	Sputum analysis	219
	<i>Mirella Sulewska</i>	

11.5. Nasal swab	221
<i>Karolina Prasek</i>	
11.6. Buccal swab	223
<i>Karolina Prasek</i>	
11.7. Wound/ulcer swab	225
<i>Karolina Prasek</i>	
11.8. Rectal swab	228
<i>Karolina Prasek</i>	
11.9. Throat swab	231
<i>Karolina Prasek</i>	
12. ASEPTIC TREATMENTS	233
<i>Józefa Czarnecka, Marzena Jaciubek, Karolina Prasek, Katarzyna Majka, Magdalena Musioł, Małgorzata Fedak, Iwona Kluczek, Marta Kotomska</i>	
12.1. Principles of asepsis and antisepsis	233
<i>Józefa Czarnecka</i>	
12.2. Administration of medications by injection	235
<i>Józefa Czarnecka</i>	
12.3. Intradermal injection	251
<i>Karolina Prasek</i>	
12.3.1. Allergy test with crystalline penicillin	257
<i>Karolina Prasek</i>	
12.3.2. Tuberculin sensitivity test	259
<i>Karolina Prasek</i>	
12.4. Subcutaneous injections	263
<i>Iwona Kluczek, Marzena Jaciubek</i>	
12.4.1. Subcutaneous injections	263
<i>Iwona Kluczek</i>	
12.4.2. Low molecular weight heparin injection using a pre-filled syringe.	268
<i>Marzena Jaciubek</i>	
12.4.3. Administration of insulin with a pen injector	273
<i>Iwona Kluczek</i>	
12.4.4. Inserting a subcutaneous butterfly needle (long-term)	278
<i>Marzena Jaciubek</i>	

12.5.	Intramuscular injection	281
	<i>Katarzyna Majka</i>	
12.6.	Venous blood sampling	288
	<i>Małgorzata Fedak</i>	
12.7.	Venipuncture for medication administration using an injection needle	298
	<i>Magdalena Musioł</i>	
12.8.	Capillary blood measurement with a glucometer	301
	<i>Iwona Kluczek</i>	
12.9.	Insertion of a peripheral intravenous cannula	305
	<i>Józefa Czarnecka</i>	
12.10.	Intravenous administration of medications through a venflon . . .	321
	<i>Mirella Sulewska</i>	
12.11.	Intravenous infusion	324
	<i>Magdalena Musioł</i>	
12.12.	Infusion pump	331
	<i>Marzena Jaciubek</i>	
12.13.	Wound dressing	335
	<i>Iwona Kluczek</i>	
12.13.1.	Changing the dressing on a clean wound	335
	<i>Iwona Kluczek</i>	
12.13.2.	Changing the dressing on an infected wound	337
	<i>Iwona Kluczek</i>	
12.13.3.	Wound irrigation	340
	<i>Iwona Kluczek</i>	
12.14.	The use of sterile gloves	344
	<i>Katarzyna Majka</i>	
12.15.	Urinary catheterisation	351
	<i>Marta Kotomska</i>	
12.15.1.	Removal of the urinary catheter from the bladder	360
	<i>Marta Kotomska</i>	
13.	BASIC LIFE SUPPORT (BLS) IN ADULTS AND AUTOMATIC EXTERNAL DEFIBRILLATION (AED).	363
	<i>Marzena Jaciubek</i>	

ANNEXES	367
Annex I. Calculation of medications doses	367
<i>Małgorzata Fedak</i>	
Annex II. Characteristics of injections performed by the nurse	369
<i>Marzena Jaciubek</i>	
Annex III. Routes of medications administration	370
<i>Katarzyna Majka</i>	
Annex IV. Medical documentation	371
<i>Iwona Kluczek</i>	
Annex V. Characteristics of rectal procedures	376
<i>Magdalena Musioł</i>	
LITERATURE	379