KHARKIV NATIONAL MEDICAL UNIVERSITY

Practicum

nurse practice

in Therapy Department

of III year student of VI faculty of _____ group

_____

(Name)

Production practice place:

Department: Propedeutics of Internal Medicine Department N1, Basis of Bioethics and Biosafety

Clinical Center: Kharkiv City Clinical Hospital N13

KHARKIV NATIONAL MEDICAL UNIVERSITY

ХАРКІВСЬКИЙ НАЦІОНАЛЬНИЙ МЕДИЧНИЙ УНІВЕРСИТЕТ

O. Kovalyova, T. Ashcheulova, A. Demydenko

О.М. Ковальова, Т.В. Ащеулова, Г.В. Демиденко

PRACTICUM

nurse practice

in Therapy Department

ПРАКТИКУМ

сестринська практика

у терапевтичному відділенні

Методичні вказівки для студентів 3 курсу 6 медичного факультету

Затверджено

вченою радою ХНМУ.

Протокол № від р.

ХАРКІВ 2017

Practicum. Nurse practice in therapy department: Manual for 3 year students / Ashcheulova T., Kovalyova O., Demydenko G.– Kharkiv: , 2017. –32 p.

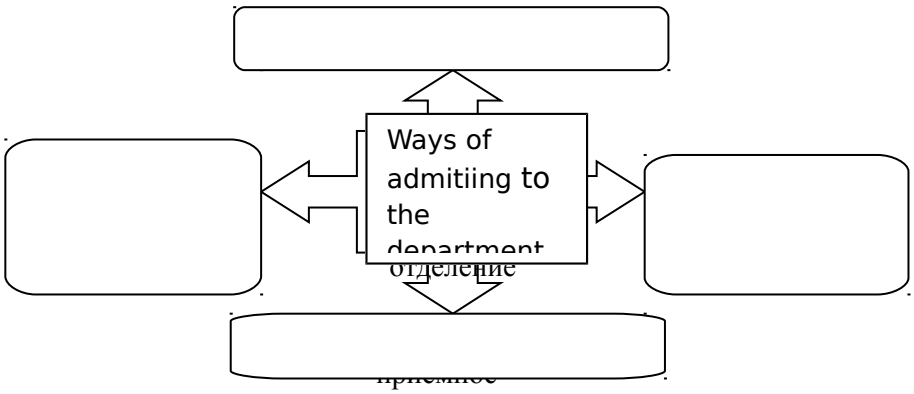
Практикум. Сестринська практика: Метод. вказ. для студентів 3 курсу / Упоряд. Ащеулова Т.В., Ковальова О.М., Демиденко Г.В. – Харків: , 2017. – 32 с.

Упорядники Т.В. Ащеулова
О.М. Ковальова
Г.В. Демиденко

Date, Time of	Content of the work	Signature

the work		
	Topic 1(2 hours). Moral-ethics and legal basis of nursing in Ukraine. Florence Nyitinheil Oath. International Nurse Advice. Moral and law responsibility of nurses.	
	Staff of therapeutic department	
	Nurse duties:	
Date, Time of the work	Content of the work	Signature
	Medical documentation	

Informed consent



Documentation filled in admitting department:

A JOURNAL OF REGISTRATION OF PATIENTS
admitted to hospital, and refused from hospitalization (*form 001/o*)

N	*Date, time*	*Name, surname*	*Date and year of*	*Address, Contact phone*	*Professio n job*	*Who directed to hospital and with what*	*Diagnosis of admitting department*	*Name of medical department,*	*Reason of hospitalizati on refuse*

			birth, age	*number*		*diagnosis*		*where a patient have been hospitalized*	
1	12.02. 2017 9:00 AM	Alla Ivanova	01.03. 1959 50 years	Str.Peace, 1, Kharkiv 61001 733 23 1	Teacher School N2	Policlinic N11 Essential hypertension	Essential hypertension II stage, 2 degree. HF IIA st	Therapy department N1	_____
2	07.03. 2017 03:35 PM	Ivan Petrov	14.07. 1948 61 years	Av. Lenin, 68, fl.193, Kharkiv 61000 343 00 00	Driver	Emergency Chronic cholecystitis	Acute appendicitis	_____	Non profile patient (surgery pathology)
3.									
4									

Ministry of Health Care of Ukraine Hospital Name		MEDICAL DOCUMENTATION Form N |_0_|| _0_|_3_|./_o_| Confirm by order of Ministry of Health Care of Ukraine |_26_|.|_0_|_7_|_9_|_9_| N |_1_|_3_|_4_|

MEDICAL CARD N _____
OF IN-PATIENT

Hospitalization									**Department** _____ **Ward N** _____
Date	dd		mm		yy		hrs	min	
Release (Death)									Current year hospitalization O first due to this disease O second total ____ times

Bed-days amount _____ Move into department _____

Blood group _____ Rhesus factor _____ RW |__||__| |__||__| |__||__|
dd mm yy

Increased sensibility or intolerability of medication _____
(medication name, character of adverse effects)

_____

1. Surname, first name, second name _____
_____ 2. Sex: M – 1; F – 2 |__| 3. Age _____ |__||__| |__||__| |__||__|
dd mm yy

4. Permanent address: city – 1; village – 2 |__| _____
(enter address: region, residential place, street, apartment)

_____
(phone number, relatives address, contact phone number)

5. Place of the work, speciality and position _____

_____
(for pupils and students – place of study; for invalids – invalid group)

6. By whom patient was directed _____
(name of medical institution)

7. Hospitalized according to urgent indications -1; after _____ hours after beginning of the disease or trauma; in plan order – 2 |__|

8. Diagnosis of medical institution that directed the patient _____

_____

9. Diagnosis in hospitalization _____

_____

10. Clinical diagnosis _____

_____

Date of determination _____ Physician _____ (name, signature)

11. Final clinical diagnosis:

a) main _____

b) complications of the main _____

c) associated _____

Classification of Overweight and Obesity by BMI, Waist Circumference,

and Associated Disease Risks				
			Disease Risk* Relative to Normal Weight and Waist Circumference	
	BMI (kg/m^2)	Obesity degree	Men 102 cm (40 in) or less Women 88 cm (35 in) or less	Men > 102 cm (40 in) Women > 88 cm (35 in)
Underweight	< 18.5		-	-
Normal	18.5 - 24.9		-	-
Overweight	25.0 - 29.9		Increased	High
Obesity	30.0 - 34.9	1	High	Very High
	35.0 - 39.9	2	Very High	Very High
	> 40.0 +	3	Extremely High	Extremely High

* Disease risk for type 2 diabetes, hypertension, and CVD.

\+ Increased waist circumference can also be a marker for increased risk even in persons of normal weight.

Anthropometry Data Recording Form

Data recording form:

Date (ddmmyyyy) |__||__|.|__||__|.|__||__||__||__|

Person measuring anthropometry (identification code) |__||__||__||__||__||__|

Weight measurement:

Weight (kg) |__||__||__|.|__|

Height measurement:

Height (cm) |__||__||__|.|__|

Body mass index:

Weight (kg) |__||__||__|.|__|

Height (m) |__||__||__|.|__|

BMI (kg/m^2) $$\mathrm{BMI} = \frac{\mathrm{mass\ (kg)}}{\mathrm{height}^2\mathrm{(m^2)}}$$ |__||__|.|__|

Waist and hip circumference measurement:

Waist circumference (cm) |__||__||__|.|__|

Hip circumference (cm) |__||__||__|.|__|

Thorax circumference measurement

Thorax circumference (cm) |__||__||__|.|__|

TEST-CONTROLS			**Topic 1, 2**				**Variant _____**			
Question	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
Answer										

Date, Time of the work	Content of the work	Signature

	Topic 2 (4 hours). Duties and actions of the post and manipulation nurses in the therapy division. Patient's registration. Documents Thermometry, arterial pressure measuring, pulse investigation. Temperature card filling. List of prescriptions. Serving of tablets and liquid medicines. Manipulation nurse work. Documentation of manipulation cabinet. Prescription, counting and storing of strong, narcotic and poison substances. Technique of blood analysis taking, blood analysis for glucose, for biochemical and bacteriological investigations. Intradermal, subcutaneous, intramuscular, intravenous injections technique. Antibiotics dose calculation. Preparing for intravenous drop injections. Rules of disinfection, presterilizing quality of the instruments. Sterilization of the instruments for multiple use.	
	Nurse post (equipment, duties, documentation)	
	Manipulation nurse (duties, documentation)	
Date, Time of the work	Content of the work	Signature
	Rules of taking temperature	

		
	Where to measure temperature?	
	What are the contraindications for measuring temperature in axillary region?	
	What are the contraindications for measuring temperature per rectum	
	What is normal range of temperature?	
	Axillary -	
	Oral -	
	Rectal	
	_____	
	What is critical temperature?	
	Max -	
	Min -	
	Subfebril temperature	
	Fever -	
	Stages of the fever	
Date, Time of the work	Content of the work	Signature
	Rules of measuring blood pressure	

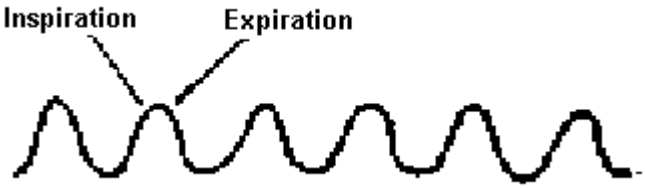
Category	Systolic BP (mmHg)		Diastolic BP (mmHg)
Optimal		and	
Normal		and/or	
High normal		and/or	
Grade 1 hypertension		and/or	
Grade 2 hypertension		and/or	
Grade 3 hypertension		and/or	
Isolated systolic hypertension		and	

Respiratory rate in healthy person -

Tachypnea -

	Bradypnea -	

What respiration type is this?

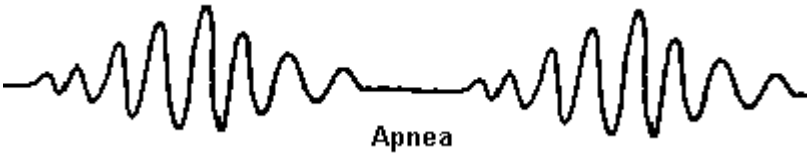


_____

_____

_____

_____



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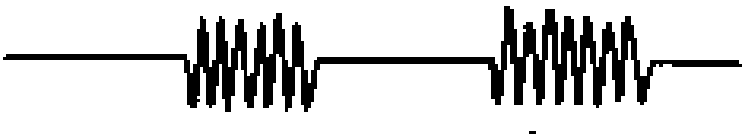
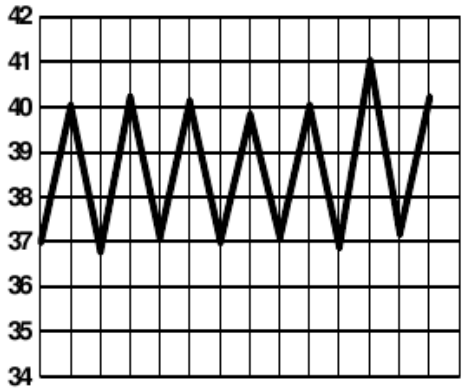
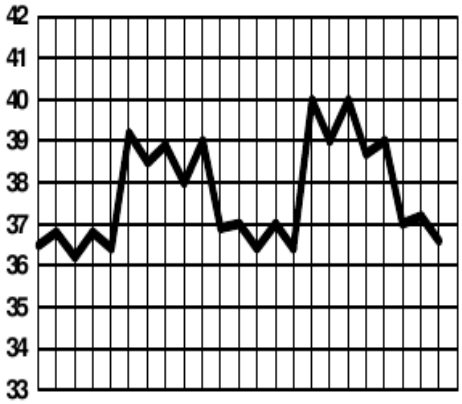
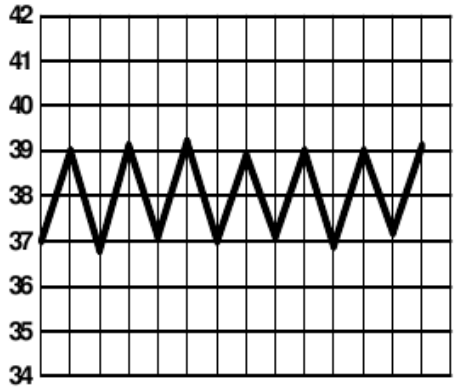


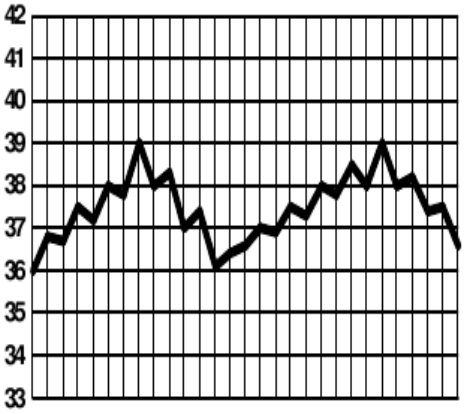
_____

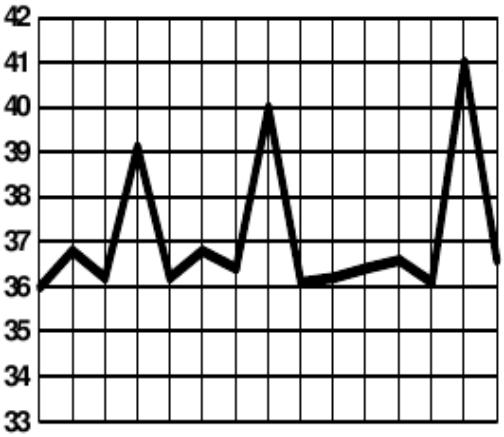
What temperature curve is this?

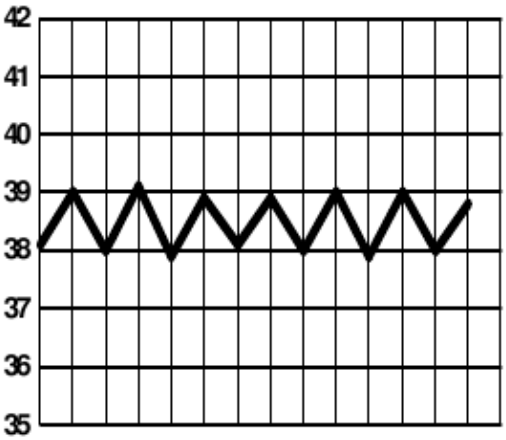












_____

_____

Card N

Ward N

TEMPERATURE CARD

Patient’s name

_____

Date																													
Disease day																													
Day in hospital			1		2		3		4		5		6		7		8		9		10		11		12		13		14	
PS	**BP**	**T° C**	m	e	m	e	m	e	m	e	m	e	m	e	m	e	m	e	m	e	m	e	m	e	m	e	m	e	m	e
140	200	41																												
120	175	40																												
100	150	39																												
90	125	38																												
80	100	37																												
70	75	36																												
60	50	35																												

Respiration rate														
Weight														
Amount of drink fluid														
Daily urine amount														
Stool														

Enter temperature card
Card N 5 Ward N 7

Patient name: Vasilii Ivanovich Petrov

Date	Disease day	Day in the hospital	Temperature	
			Morning	Evening
10.02.2017	4	1	37.6°C	38.2°C
11.02.2017	5	2	37.4°C	38.0°C
12.02. 2017	6	3	37.4°C	37.8°C
13.02.2017	7	4	37.3°C	37.6°C
14.02.2017	8	5	37.2°C	37.6°C
15.02.2017	9	6	37.2°C	37.4°C
16.02.2017	10	7	37.0°C	37.4°C
17.02.2017	11	8	37.0°C	37.2°C
18.02.2017	12	9	36.8°C	37.2°C
19.02.2017	13	10	36.8°C	37.2°C
20.02.2017	14	11	36.8°C	37.0°C
21.02.2017	15	12	36.6°C	37.0°C
22.02.2017	16	13	36.6°C	36.6°C
23.02.2017	17	14	36.6°C	36.6°C

Category	**Systolic BP** (mmHg)		**Diastolic BP** (mmHg)
Optimal	< 120	and	< 80
Normal	120-129	and/or	80-84
High normal	130-139	and/or	85-89
Grade 1 hypertension	140-159	and/or	90-99
Grade 2 hypertension	160-179	and/or	100-109
Grade 3 hypertension	≥ 180	and/or	≥ 110
Isolated systolic hypertension	≥ 140	and	< 90

Enter temperature sheet

Card N 5 Ward N 7

Patient name: Vasilii Ivanovich Petrov

Date	Disease day	Day in the hospital	Blood pressure	
			Systolic	Diastolic
10.02.2017	4	1	200	120
11.02.2017	5	2	190	110
12.02. 2017	6	3	180	108
13.02.2017	7	4	170	100
14.02.2017	8	5	166	100
15.02.2017	9	6	162	98
16.02.2017	10	7	160	94
17.02.2017	11	8	154	92
18.02.2017	12	9	154	92
19.02.2017	13	10	150	90
20.02.2017	14	11	150	90
21.02.2017	15	12	146	90
22.02.2017	16	13	140	90
23.02.2017	17	14	134	82

1 gram = _____ milligrams (mg)
0.001 gram = _____ milligrams (mg)
1 kilogram = _____ grams (g)
0.001 kilogram (kg) = _____ gram (g)
1 liter (L) = _____ milliliters (ml) 0.001 liter (L) = _____ milliliters (ml)
1 milliliter (ml) = _____ cubic centimeter (cc)
1ml = ____ minims
4-5 ml = _____ dram
30 ml = _____ ounce
500 ml = _____ pint
1000 ml = _____ L = _____ quart
60 mg = _____ grain
1 kg = _____ pounds

Date, Time of	Content of the work	Signature

the work		
	Intradermal injections	
	Indications	
	Preferable places	
	What amount you can inject	
	Technique	
	Complications	
	Subcutaneous injections	
	Indications	
	Preferable places	
	What amount you can inject	
	Technique	
	Complications	
Date, Time of the work	Content of the work	Signature
	Intramuscular injections	

	Indications	
	Preferable places	
	What amount you can inject	
	Technique	
	Complications	
	Intravenous injections	
	Indications	
	Preferable places	
	What amount you can inject	
	Technique	
	Complications	
Date	Content of the work	Signature
	Intravenous drop injections	

	Rules of distribution of medicines:	
	Use the rule of 5 R!	
	The “Five Cs/Rs”:	
	Correct/Right _____	
	Correct/Right _____	
	Correct/Right _____	
	Correct/Right _____	
	Correct/Right _____	
Date	Content of the work	Signature
	The therapeutic action of any medicinal matter appears only at introduction of its certain amount.	
	Taking into account there are such doses:	
	Therapeutic dose:	

	Dosage range:	
	Minimum dose:	
	Maximum dose:	
	Toxic dose:	
	Minimum lethal dose:	
	Mortal dose	

Drug calculations
Dose required / Present Standard Quantity of Drug X Present
Quantity of Liquid in which Standard Quantity of Drug is Dissolved
What you want/What you have X What it is in (dilution)
Apatient (child) is prescribed 90mg of Paracetamol and the medication supplied is 120mg of Paracetamol in 5mls:

Desired dose / On-hand strength	x quantity of on-hand dose = desired dose	(That's: Desired dose divided by on-hand strength, multiplied by the quantity of on-hand dose (e.g.. 1 tablet), equals desired dose)

A physician orders 500 mg ibuprofen for a patient (which is desired dose) and you have 250 mg tablets (1 tablet = 250 mg) on-hand.
Your calculations:

The doctor ordered 250 mg of ibuprofen, but all you had on hand was 500 mg tablets. Your calculations:

1cc (liquid) delivers 500 mg of a drug. If the doctor ordered 1500 mg of the drug you calculate:

_____

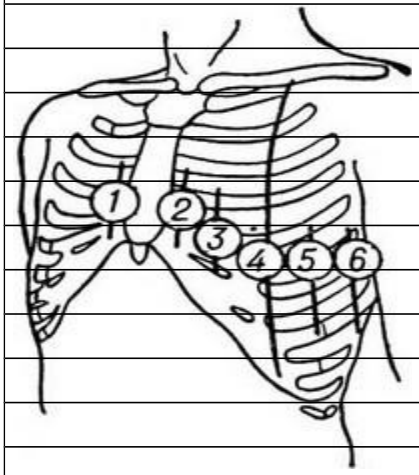
_____

TEST-CONTROLS			**Topic 3**					**Variant** _____		
Question	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
Answer										

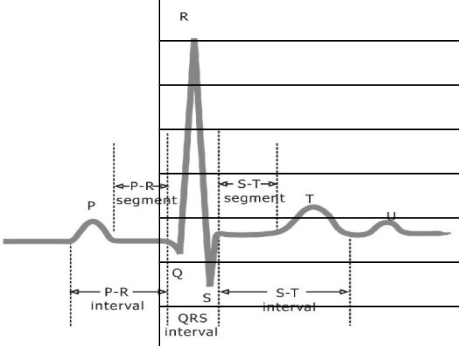
Date, Time of the work	Content of the work	Signature

	Topic 3 (3 hours). Nurse's duties in the providing of diagnostic process in therapy hospital. Main rules for the preparing the patient to the gastroscopy, colonoscopy, rectomanoscopy, ultrasound of abdomen cavity. Types of enemas and its application. Patient's and facilities's preparing for taking feces, occult blood, coprogram. Taking urine samples for the Nechiporenko, Zimnitsky. Its diagnostical value. Patient's preparing for the stomach and duodenum investigation. Preparing probes, catheters, tips for manipulation. ECG registration rules. Analysis of ECG. Echocardiography. External breathing tests. Nurse's work in the diagnostic cabinet.	
	Main rules of patient's preparing for gastroscopy, colonoscopy, sonography	
Date, Time of the work	Content of the work	Signature
	Types of enemas and its application	

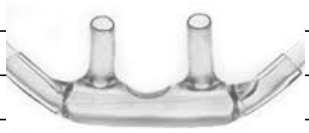
	Taking faeces and urine samples	
Date, Time of the work	Content of the work	Signature
	ECG registration rules Describe technique of ECG registration	



Write down ECG analysis plan.



Lung tests and procedures



TEST-CONTROLS			Topic 3				Variant _____			
Question	1	2	3	4	5	6	7	8	9	10
Answer										

Date, Time of the work	Content of the work	Signature

	Topic. 4 (2 hours). Peculiarities of procedure cabinet work in the therapy division and nurse's duties in its providing. Organization of procedural cabinet nurse. Rules of storing medical instruments in procedural cabinet. Types of compresses. Rules of warm, cold treatment compresses applying. Cups, mustard plasters applying. Ice pack, heat pack using. Cleaning and storing of multiple use things. Using of inhalators. Oxygen pillow applying. Physiotherapy procedures (hydro-, light-, electromagnetic-). Rules of applying, patient's supervising, first aid in case of worsening state.	
	Types of compresses	
	Rules of warm, cold treatment compresses applying	
Date, Time of the work	Content of the work	Signature
	Ice pack, heat pack applying	

	Inhalators (types, rules of applying)	
Date, Time of the work	Content of the work	Signature
	Physiotherapy procedures Hirudotherapy -	

	Indications -	
	Complications -	
	How to apply (algorythm):	

Date, Time of the work	Content of the work	Signature
	Topic 5 (1 hour). Credit. Test. Task.	

TEST-CONTROLS	**Topic 5**				**Variant _____**					
Question	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**
Answer										

CONCLUSION ACCOUNT

of executed work during nursing production practice in therapy department
of III year student of _____ faculty of _____ group

_____
(Name)

Department: Propedeutics to Internal Medicine Department N1
Clinical Center: City Clinical Hospital N11, Kharkiv

N	Manipulations and procedures designation	Amount
1	Follow-up medicines in manipulation cabinet	
2	Filling of post nurse documentation	
3	Filling of documentation in manipulation cabinet	
4	Temperature cards filling	
5	Pulse investigation	

6	Arterial pressure measuring	
7	Taking blood samples for biochemical analysis	
8	Collecting urine for the clinical analysis, Zymnitsky's test, Nechiporenko's test	
9	Collecting feces for bacteriologic and coprology analysis	
10	Hypodermic injections	
11	Intramuscular injections	
12	Intravenous injections	
13	Drop intravenous injections	
14	Medicine dose and dilution calculation	
15	Presterilizing cleaning of the instruments	
16	Presterilizing quality control	
17	Taking smears from nose and throat	
18	Application of enemas	
19	Taking part in duodenal sounding	
20	Preparation of the patient to the ultrasound, X-ray of abdominal cavity	
21	ECG registration	
22	Application of compress	
23	Application of cups, mustard plasters	
24	Taking part in physiotherapeutic procedures	
25	Others (to indicate)	

Student's signature _____

Teacher's signature _____

Enumeration of practical skills

on "Nurse Production Practice in Therapy Department"

1. Providing follow-up medicines in manipulation cabinet.
2. Writing out strong and narcotic medicines.
3. Demonstration of filling temperature card rules.
4. Studying arterial pulse, blood pressure measuring.
5. Taking blood samples for biochemical analysis.
6. Taking blood for converting blood system, investigation.
7. Demonstration of the intradermal injections technique.
8. Demonstration of intravenous, intramuscular and hypodermal injections.
9. Antibiotic dosage calculations.
10. Preparation for the intravenous drop injection.
11. Preparation of corresponding solution and demonstration rules of syringe management after use.
12. Preparation of corresponding solution and conduction presterilizing cleaning of instruments for multiply use.
13. Providing of presterilizing quality control of medical instruments.
14. Taking nose and throat smears rules.
15. Preparation of corresponding facilities and rules of applying of cleansing enema.
16. Preparation of corresponding facilities and rules of applying of oil enema.
17. Preparation of corresponding facilities and rules of applying of hypertension solution enema.
18. Preparation of corresponding facilities and rules of applying of siphon enema.
19. 12-leads ECG registration.
20. Preparation of corresponding facilities and rules of applying of mud-band.
21. Preparation of corresponding facilities and rules of spotting drops to the eyes, nose, putting liniment to the conjunctive sac.
22. Preparation of corresponding facilities and rules of applying warming compress.

23. Preparation of corresponding facilities and rules of applying mustard plasters.
24. Preparation of corresponding facilities and rules of applying cupping glasses.
25. Moist oxygen serving.
26. Inhalators management rules.