EDUCATIONAL PLAN PRACTICE
"AS PROCEDURAL NURSE ASSISTANT"

Qualification (major)  31.05.01  "General Medicine"

Medical faculty of them. T. Z. Biktimirov

The course third

Method and form of practice (in accordance with Federal state educational standard): stationary, the type - clinical, independent work of students under the supervision of the teacher.

Information about developers:

<table>
<thead>
<tr>
<th>Full name</th>
<th>Abbreviation of Department</th>
<th>Academic, degree, title</th>
</tr>
</thead>
<tbody>
<tr>
<td>Savoneveova L.N.</td>
<td>Propedeutics of internal diseases</td>
<td>PhD, professor</td>
</tr>
<tr>
<td>Gnoevikh V.V.</td>
<td>Propedeutics of internal diseases</td>
<td>Head of Department</td>
</tr>
<tr>
<td>Smirnova Anna Yu.</td>
<td>Propedeutics of internal diseases</td>
<td>Docent PhD, senior Lecturer</td>
</tr>
<tr>
<td>Chernova N.G.</td>
<td>Propedeutics of internal diseases</td>
<td>PhD, senior Lecturer</td>
</tr>
</tbody>
</table>

Date of introduction into the academic process at Ulyanovsk State University: 24.04.16

Revised at the Department meeting, Record No. 1 of 20.06 « » 2016
Revised at the Department meeting, Record No. 1 of 30.07 « » 2017
Revised at the Department meeting, Record No. 11 of 20.06 « » 2018
Revised at the Department meeting, Record No. « » 20

AGREED

[Signature]

04.04.2018
1. The course aims and objectives

**Aim of the Course:** developing the general professional competences necessary for working the procedural nurse.

**Objectives:**
- to administer the medical documentation procedural nurse;
- to administer parenteral ways of introduction of drugs;
- to know principles care of patients and to know first pre-medical aid;
- to administer of medical devices for medical aid.

2. Place of the course in the curriculum

The program B2.P.3 Course of medical practice «Procedural nurse assistant» is made in accordance with the requirements of the federal state educational standard of higher professional education for speciality 31.05.01 "General Medicine" (level the expert) and refers to the unit of practice B2 «Practice, including scientific research work». Course of medical practice «Procedural nurse assistant» is carried out in the 6st semester (course 3).

Practice «Nurse assistant» (4st semester of 2st year) are the previous discipline necessary for studying of this course.

Course of medical practice «Procedural nurse assistant» is basis for course of medical practice «The assistant of the doctor of a hospital» - 8st semester (course 4).

3. Proposed results:

**The course is aimed at the following competences:**

<table>
<thead>
<tr>
<th>№ п/п</th>
<th>Index of the competences</th>
<th>The contents of the competences</th>
<th>As a result of the training practice course the student must know</th>
<th>able to</th>
<th>own to</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>GPC-6</td>
<td>The willingness for conducting the medical documentation nurse (sheet prescribing, log-book of strong and narcotic drugs).</td>
<td>-to carry out sample prescribing of a list prescribing;</td>
<td>-to fill in book of carrying out injections and intravenous infusion of the drugs;</td>
<td>- to fill in the logbook of strong and narcotic drugs.</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>-to fill in book of carrying out injections and intravenous infusion of the drugs;</td>
<td>- to fill in the logbook of strong and narcotic drugs.</td>
<td>Conducting of the medical documentation procedural nurse</td>
</tr>
<tr>
<td>2.</td>
<td>GPC-8</td>
<td>The willingness for medical application of drugs and other substances and their combinations</td>
<td>- Methods of parenteral ways of introduction of drugs;</td>
<td>- to carry out intradermal injection;</td>
<td>Methods of parenteral ways of introduction of drugs</td>
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<td></td>
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<td></td>
<td>- the technique of drawing drugs from ampules;</td>
<td>- to carry out subcutaneous injection;</td>
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<td></td>
<td></td>
<td></td>
<td>- the technique of carrying out of an intradermal injection;</td>
<td>- sequence of the tourniquet before venipuncture;</td>
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</tbody>
</table>

| at the decision of professional problems | - the technique of carrying out of an subcutaneous injection;  
- the technique of sequence of the tourniquet before venipuncture;  
- the technique of carrying out of an intravenous injection;  
- the technique of carrying out of an drip;  
- the technique of carrying out of an intramuscular injection. | - to carry out intravenous injection;  
- to carry out intravenous infusion;  
- to carry out intramuscular injection. |
| 3. **GPC-10** | The willingness to organize patients care and provide primary pre-hospital health care | - the technique of assessing radial pulse;  
- the technique of measurement of blood pressure;  
- medical complications of injections;  
- clinical picture of the allergic reaction of urticaria, anaphylactic shock;  
- clinical picture of the post-injection abscess;  
- first aid for bronchial asthma attack, pulmonary bleeding, hypertensive crisis, gastric bleeding, cardiac asthma, collapse, pains in the abdomen, heart attack;  
- the technique of cardiopulmonary resuscitation (CRP);  
- the signs of clinical and biological death;  
- the technique of venipuncture for blood sampling for laboratory tests;  
- indications for catheterizing the urinary bladder, the technique of carrying, type of the catheters. | - measure arterial pressure;  
- investigate the pulse on peripheral arteries;  
- perform first aid for introduction of medicine not in right site (introduction of CaCl2 under skin);  
- perform first aid for urticaria, anaphylactic shock;  
- perform first aid for post-injection abscess;  
- perform first aid for bronchial asthma attack, pulmonary bleeding, hypertensive crisis, gastric bleeding, cardiac asthma, collapse, pains in the abdomen, heart attack;  
- performing CPR;  
- to carry out venipuncture for blood sampling for laboratory tests;  
- to carry out -to care patients with internal organs diseases;  
- to provide primary pre-hospital health care.
4. **Place and date of the practice**

1. Public health Agency Ulyanovsk regional clinical hospital
2. State healthcare institution "Central clinical mediko- sanitary part of a name of V. A. Egorov"
3. Public health Agency Ulyanovsk regional clinical center of specialized types of medical care
4. State healthcare institution "Central city clinical hospital"
5. Public health Agency Ulyanovsk regional clinical cancer center
6. Public health Agency Ulyanovsk regional clinical Hospital of Veterans of Wars

Date: 6nd semester of 3 course.

5. **Content of Practice**

The total complexity of course is 3 credit points (108 hours).
6. The structure and Workload

<table>
<thead>
<tr>
<th>№ п/п</th>
<th>Name of sections</th>
<th>The form of practice, including independent work</th>
<th>Quantity of Hours</th>
<th>The form of control</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Administration of the medical documentation</td>
<td>Work in the procedural room specialized care units</td>
<td>18</td>
<td>Control of the filling of the diary</td>
</tr>
<tr>
<td>II</td>
<td>Invasive parenteral ways of introduction of drugs</td>
<td>Work in the procedural room specialized care units</td>
<td>48</td>
<td>Control of the filling of the diary</td>
</tr>
<tr>
<td>III</td>
<td>General care of the patients and first aid</td>
<td>Work in specialized care units</td>
<td>26</td>
<td>Control of the filling of the diary</td>
</tr>
<tr>
<td>IV</td>
<td>Handling and preparing to use medical devices provide primary pre-hospital health care</td>
<td>Work in the procedural room</td>
<td>16</td>
<td>Control of the filling of the diary</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td></td>
<td>108</td>
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</tr>
</tbody>
</table>

7. Scientific research technologies: not provided.

8. Interim certification is carried out in the form of differentiated credit.

9. Course resources
   List of recommended literature:
   a) Core reading
      1. Rosdahl C., Kowalski M. Textbook of Basic Nursing // Lippincott Williams & Wilkins® 2011;

   b) Supplementary reading
      1. Anne Griffin Perry, Patricia A. Potter Clinical Nursing Skills and Techniques//Publis Date 2009;

c) database, directory and search engine
   1. Electronic catalogue of the library of USU.
   2. ABS "IPRbooks" (www.iprbookshop.ru).
3. ELS "Consultant of a student" (www.studmedlib.ru).

10. Material support of discipline

1. Two methodical stands on the general care of the patients.
2. Educational films on questions of a medical practice.

Progress tests
of the discipline “Practice as procedural nurse assistant”

1. What are the bounds of normal fluctuations in blood pressure in people over the age of 25 years (the WHO standards):
   1. Systolic 105-130 mm Hg, article
   2. Systolic 100-145 mmHg, article
   3. Systolic 100-120 mm Hg, article
   4. Diastolic 60-85 mm Hg, article
   5. Diastolic 60-94 mm Hg, Article

2. Care and first first aid for asthma attack:
   1. To provide a horizontal position.
   2. Take advantage of a handheld inhaler.
   3. To use the peak flow meter.
   4. To ensure a flow of fresh air.
   5. Inhalation of oxygen.

3. First aid in pulmonary hemorrhage:
   1. Take advantage of a handheld inhaler.
   2. To give an elevated position.
   3. To provide a horizontal position.
   4. Ice pack on the chest.
   5. A heating pad on the chest.

4. Pulse rate normal?
   1. 50-60 beats per 1 minute.
   2. 60-70 beats per 1 minute.
   3. 80-90 beats per 1 minute.
   4. 60-80 beats per 1 minute.
   5. 70-90 beats per 1 minute.

5. Basic resuscitation measures in clinical death:
   1. Intravenous injection of strophanthin.
   2. Closed cardiac massage.
   3. Intravenous administration of prednisolone.
4. Artificial respiration.
5. Intramuscular kordiamina.

6. Evidence of effectiveness of chest compressions:
   1. Dilated pupils.
   2. The appearance of the pulse on the carotid arteries.
   3. The appearance of respiratory movements.
   4. Contraction of the pupils.
   5. Disappearance of cyanosis.

7. Bronchial asthma attack is characterized by:
   1. Paroxysmal cough.
   2. Attacks of expiratory dyspnea.
   3. The feeling of lack of air.
   4. Inspiratory dyspnea.
   5. Expectoration thick viscous sputum after asthma attack.

8. There are the following methods of administration of drugs:
   1. Gas.
   2. Outer.
   3. Internal.
   5. Parenteral.

9. When internal medication the effect occurs most often:
   1. After 1-2 minutes.
   2. In 15-30 minutes.
   3. Instantly.
   4. After 2-3 hours.

10. For patients who are unconscious, it is preferable to use the following method of administration of drugs:
    1. Through the mouth.
    2. Outer.
    3. Parenteral.
    4. Sublingually.

11. Immediately after application of disposable syringe:
    1. Placed in the trash.
    2. Washed with tap water.
    3. Soak in 3% solution of chloramine.
4. Washed in 0.5% chloramine solution.
5. Washed in 70° alcohol.

12. The injection site for subcutaneous injection:
   1. The outer surface of the shoulder and hip.
   2. The inner surface of the shoulder and hip.
   3. Subscapular region.
   4. Anterior abdominal wall.

13. Injection site for intramuscular injection:
   1. Upper outer quadrant of the buttocks.
   2. The middle part of the outer surface of the thigh.
   3. The outer surface of the shoulder

14. Contraindications for intravenous injection:
   1. An allergic reaction to a drug.
   2. Skin lesions and subcutaneous fat at the planned injection site.
   3. Atrophy of muscle tissue
   4. Phlebitis (inflammation) punctional veins.

15. What are the signs of pulmonary bleeding?
   1. Blood red, frothy;
   2. Dark blood, clots type "coffee grounds"
   3. The blood coming out is alkaline
   4. The blood coming out is acidic
   5. Emission of blood by coughing

16. What symptoms manifested intestinal bleeding?
   1. Melena
   2. Dark blood, clots type "coffee grounds"
   3. The blood coming out is alkaline
   4. The blood coming out is acidic
   5. Emission of blood by coughing
   6. Pale skin

17. What symptoms are signs of biological death?
   1. Cessation of breathing
   2. Cessation of cardiac activity
   3. The appearance of cadaveric spots
   4. Lowering of body temperature below 20
   5. The appearance of rigor Mortis.
18. The angle of the needle is injected at an intramuscular injection (in degrees)?
   1) 90  
   2) 60  
   3) 45  
   4) 5

19. Severe allergic reactions of the patient to the introduction of medicinal substances
   1. angioedema  
   2. anaphylactic shock  
   3. urticaria  
   4. redness of the skin

11. Papers - not provided.
12. The diary for practice gives out individually to each student before practice.

THE LIST OF PRACTICAL SKILLS
(indicating the level of learning)

<table>
<thead>
<tr>
<th>№</th>
<th>Name of the skill</th>
<th>Observed</th>
<th>Take part</th>
<th>Completed independently</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Administration of the medical documentation procedural nurse</td>
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<tr>
<td>2</td>
<td>Intradermal injection</td>
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<td>3</td>
<td>Subcutaneous injection</td>
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<td>4</td>
<td>Intramuscular injection</td>
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<td>5</td>
<td>Sequence of the tourniquet before venipuncture</td>
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<tr>
<td>6</td>
<td>Intravenous injection</td>
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<td>7</td>
<td>Intravenous infusion</td>
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<td>8</td>
<td>Assessing arterial pulse of his performance</td>
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<td>9</td>
<td>Measuring blood pressure</td>
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<td>10</td>
<td>First aid for introduction of medicine not in right site (introduction of CaCl2 under skin)</td>
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<tr>
<td>11</td>
<td>First aid for urticaria, anaphylactic shock</td>
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<td>12</td>
<td>First aid for post-injection abscess</td>
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<td>First aid for bronchial asthma attack, pulmonary bleeding, hypertensive crisis, gastric bleeding, cardiac asthma, collapse, pains in the abdomen, heart attack</td>
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<td>14</td>
<td>Administering artificial respiration</td>
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<td>15</td>
<td>Chest compressions</td>
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<td>16</td>
<td>Venipuncture for blood sampling for</td>
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<tr>
<td>Laboratory tests</td>
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<tr>
<td>17. Catheterizing the urinary bladder of the soft catheter</td>
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<td>18. Collection of syringes, preparation (filling) of the system for intravenous infusion</td>
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<td>19. Disinfection and utilization of syringes and needles</td>
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<tr>
<td>20. Disinfection and utilization of soft urinary catheters</td>
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<tr>
<td>21. Disinfection and preparation for sterilization of hard urinary catheters</td>
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Signature of the developer ___________________________(Full name)

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