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dentistry

METHODICAL INSTRUCTIONS FOR THE STUDENT OF CLINICAL PRACTICE
"JUNIOR MEDICAL STAFF ASSISTANT" FOR SPECIALTY 31.05.01 " GENERAL
MEDICINE»

For students of the 2020 years of admission

Ulyanovsk

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Methodical manual on clinical practice of 1st year students "Junior medical staff assistant " for
the student.- Ulyanovsk, Ulsu, 2020.

The manual is prepared in accordance with the work program of the clinical practice "Junior
medical staff assistant". The methodical manual is intended for students of medical faculty
studying on specialties 31.05.01-General medicine.

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Introduction

Brief description of the practice “Junior medical staff assistant”.

The practice B2.B.04 (P). «Junior medical staff assistant» concerns to the Block 2 «Practices, including research work» for specialty "General Medicine». The practice «Junior medical staff assistant» is carried out in the 2st semester of 1st year.

Practice to obtain professional skills and experience of professional activity «Practice on reception of primary professional skills, including primary skills of research activity (Care of therapeutic and surgical patients)», «Clinical practice (Care of therapeutic and surgical patients)» are the previous discipline necessary for studying of this course.

Course of practice «Junior medical staff assistant» is basis for course of practices «Ward nurse assistant», «Procedural nurse assistant. Part I», «Procedural nurse assistant. Part II».

The duration of the production practice 2 weeks. Working week - 6 days. The duration of the working day is 6 hours.

The course aims

Aim of the Course of the 1 course students is to consolidate skills for the care of patients, the use of medical equipment and instruments, experience of independent work as assistant nurses by participating in the activities of the Department.

The course objectives

In this case, the objectives are to consolidate the theoretical knowledge and practical skills in the care of patients:

- Fixing the rules of asepsis in the areas of the hospital and the organization of a sanitary mode of the functional units of the Department (sanitary-hygienic regime in the wards, emergency Department);
- Consolidation of the rules of clinical hygiene of medical personnel (treatment of hands, body hygiene, dress codes, hospital infection);
- Consolidation of the rules to operate biological materials (hygiene secretions, feeding the seriously ill);
- Consolidation of knowledge on observation and care of patients with pathology of internal organs and systems from the standpoint of the assistant Junior medical staff (help with vomiting, the rules of production of enemas, cans, mustard, preventing bedsores, measuring blood pressure, etc.).

Proposed results

The course is aimed at the following competences:

Competence index. Content of a competence (or a part of it)	The proposed results of the course students are:
GPC-10: the willingness to organize patients care and provide primary pre-hospital health care	To know: - organization of work and structure of (medical institutions) health care facilities, -emergency prevention of the HIV-infection at a emergency situation; - features of working the admissions office and specialized care units; -the importance of dietary in medical activities to

	<p>recovery patients, types of therapeutic diets and the importance of proper nutrition in treatment measures to patient recovery;</p> <p>To able to:</p> <ul style="list-style-type: none"> -divide patients on department; - care for febrile patients; - carry out the prevention of bedsores; - change underwear and bed linen; -emergency prevention of the HIV-infection at a emergency situation; <p>To own to:</p> <ul style="list-style-type: none"> -the method of hygienic treatment of hands; -performing toilet skin and mucous membrane care of the mouth, eyes, nose, ear of patients undergoing bedrest; -ways of changing of underwear and bed linen of patients undergoing General and bedrest.
<p>GPC-11: the willingness to use medical devices intended for medical care</p>	<p>To know:</p> <ul style="list-style-type: none"> - rules and methods of transporting patients to the hospital; - measure body temperature and is graphically reflected in the temperature sheet; - the rules of specimen collection at diseases of the digestive and respiratory systems; - the technique of refinement urinals. <p>To able to:</p> <ul style="list-style-type: none"> -to transport patients to the hospital; - measuring body temperature and register it in the temperature sheet; -to carry out the simplest physiotherapeutic manipulation; - to conduct a cleansing, enemas; - gastric lavage making; - prepare patient for x-ray and ultrasound methods of investigation; -to collect a urine sample: total, according to Nechyporenko, Zimnitskiy. <p>To own to:</p> <ul style="list-style-type: none"> - rules and methods of transporting patients to the hospital; -the method of disinfection of medical objects and products (thermometers, therapeutic tools, the medical equipment, urinals, the sanitary-and-hygienic equipment etc.); -measurement of body temperature and its registration; -methods using tubes, foam pads anti-decubitus mattress for the prevention of pressure sores; - methods of collection of sputum, vomit, stool, urine; - methods of nutrition of the patients undergoing bedrest; -the method of hygienic treatment of hands before and after eating in the bed; -the method of disinfection, handing cutlery after use of the

	patients.
<p>PC-1: Ability and readiness for realization of a complex of the actions directed on preservation and strengthening of health and including formation of a healthy way of life, the prevention of occurrence and (or) distributions of diseases, their early diagnostics, revealing of the causes and conditions of their occurrence and development, and also directed on elimination of harmful influence on health of the person of factors of environment of dwelling</p>	<p>To know:</p> <ul style="list-style-type: none"> -technics of cleaning chambers, airings of chambers, technics of the current and final disinfection; -features of working the admissions office and specialized care units; -the method of treatment of patients with lice; -the method of anthropometry; -rules of measuring blood pressure; -rules of measuring arterial pressure, to investigate the pulse on arteries; -rules of calculation respiratory rate and to estimate the result. <p>To able to:</p> <ul style="list-style-type: none"> -carrying out cleaning chambers, airings of chambers, technics of the current and final disinfection; -carrying out features of working the admissions office and specialized care units; -carrying out anthropometry; -to quantify respiratory motion and to estimate the result; -to measure arterial pressure; -to investigate the pulse on arteries. <p>To own to:</p> <ul style="list-style-type: none"> -technics of cleaning chambers, airings of chambers, technics of the current and final disinfection; -features of working the admissions office and specialized care units; -the method of treatment of patients with lice; -the method of anthropometry; -rules of measuring blood pressure; -rules of measuring arterial pressure, to investigate the pulse on arteries; -rules of calculation respiratory rate and to estimate the result.

Content of practice

№	Name of sections	The form of practice, including independent work	Quantity of Hours		The form of control
			contact work	Self-work	
I. Preparatory stage of practice					
1	Briefing on safety	Briefing on safety	1	2	Interview, control of the filling of the

					diary
II. Production stage of practice					
2	<p>Organization of work and sanitary-epidemiological regime in of admission department, therapeutic and surgical departments of the hospital. Anthropometry. Disinfection of medical instruments, materials and means of care. General principles of operation of devices intended for sterilization and disinfection of medical devices (autoclave, ozone chamber, UV chamber). Emergency prevention of the HIV-infection at a emergency situation.</p>	<p>Work in the admissions office, therapeutic and surgical departments of the hospital.</p>	2	18	Control of the filling of the diary and check-list
3	<p>Nutrition of the patients. Nutrition of the patients undergoing bedrest. Disinfection, handing cutlery after use of the patients. The preparation of patients for instrumental investigations: ultrasound examination of abdomine and bladder, EGD,</p>	<p>Work in the admissions office, therapeutic and surgical departments of the hospital.</p>	1	18	Control of the filling of the diary and check-list

	colonoscopy, radiological methods of research of the gastrointestinal tract and kidneys.				
4	Measure body temperature and is graphically reflected in the temperature sheet. Types of fevers. Storage and disinfection of thermometers. Care for febrile patients. Hygiene of the body patient's. Ways of changing of underwear and bed linen of patients undergoing General and bedrest.	Work in the admissions office, therapeutic and surgical departments of the hospital.	2	16	Control of the filling of the diary and check-list
5	Methods of collection of sputum, vomit, stool, urine. First aid for vomiting. Gastric lavage. Enema. Supply vessel and a urinal.	Work in the admissions office, therapeutic and surgical departments of the hospital.	2	16	Control of the filling of the diary and check-list
6	The use of the method simplest physiotherapeutic manipulation: warming compresses, bladder with ice, warmer. Measurement of blood pressure. Calculation of respiratory movements of the patient. The study of the pulse.	Work in the admissions office, therapeutic and surgical departments of the hospital.	2	16	Control of the filling of the diary and check-list
7	Transportation of the patient.	Work in the admissions office, therapeutic and	2	10	Control of the filling of the

	CREDIT	surgical departments of the hospital.			diary and check-list
	Total		12	96	
			108		

List of practical skills

1. Sanitary treatment of patients in the emergency Department.
2. Treatment of patients with lice.
3. Transportation of the sick.
4. Anthropometry and its parameters.
5. Feeding of the patients
6. Toilet skin and mucous membrane care of the mouth of patients undergoing bedrest.
7. Toilet skin and mucous membrane care of the eyes of patients undergoing bedrest.
8. Toilet skin and mucous membrane care of the nose of patients undergoing bedrest.
9. Toilet skin and mucous membrane care of the ear of patients undergoing bedrest.
10. Ways of changing of underwear of patients undergoing General and bedrest.
11. Ways of changing of bed linen of patients undergoing General and bedrest.
12. Prevention of pressure ulcers.
13. Emergency prevention of the HIV-infection at a emergency situation.
14. Thermometry,
15. Storage and disinfection of thermometers.
16. Preparation of the patient for ultrasound examination of the abdominal cavity and kidneys
17. Preparation of the patient for fibrogastroduodenoscopy (FGDs)
18. Preparation of the patient for fibrocolonoscopy (FCS)
19. Preparation of the patient for ultrasound examination of the bladder
20. Preparing the patient for a stomach and 12-duodenum x-ray
21. Setting warming compresses.
22. The use of the bladder with ice.
23. The use of the warmer.
24. Calculation of respiratory movements of the patient.
25. The study of the pulse.
26. Measurement of blood pressure.
27. Gastric lavage.
28. Enema.
29. First aid for vomiting.
30. Supply vessel and a urinal.
31. The sputum collection for the clinical trial
32. Collection of stool (feces) for clinical study
33. Urine collection for General analysis
34. The collecting of urine for carrying out research according to Nechyporenko
35. Processing and storage of rubber products, warmers, gastric and intestinal probes
36. Processing and storage of urinals, bedpan
37. General and current cleaning in the Department.

Questions for ongoing monitoring depending on the type and type of practice

1. Definition of concept "labour safety"
2. The regime of medical establishment
3. Actions at detection of a fire
4. Kinds of instructing on a labour safety

5. Sanitary treatment of patients in the admission Department.
6. Sanitary-epidemiological regime in the hospital.
7. Current cleaning in the department.
8. General cleaning in the therapeutic department.
9. Treatment of patients with pediculosis
10. The regime of the hospital
11. Disinfectant solutions, types, ways of the preparation
12. Type of the hospital
13. Preventive of an air-drop infection-the rule of carrying and change of masks
14. Definition, the method of anthropometry.
15. Emergency prevention of the HIV-infection at a emergency situation.
16. Nutrition of the patients. Types.
17. Ways of artificial nutrition.
18. The importance of dietary in medical activities to recovery patients, types of therapeutic diets and the importance of proper nutrition in treatment measures to patient recovery
19. Features of the diet №1
20. Features of the diet №5
21. Features of the diet №7
22. Features of the diet №9
23. Features of the diet №10
24. Rules for receiving food to the patients and storing food
25. Sanitary-epidemiological regime in the dining room
26. Preparation of the patient for instrumental method of the examination of the internal organs.
27. The rule of the storage and disinfection of thermometers
28. Methods of temperature measurement
29. Types of temperature curves
30. Changes in the basic systems of the body in different periods of fever
31. Features of the febrile patients care
32. Ways of changing of underwear of patients undergoing General and bedrest
33. Ways of changing of bed linen of patients undergoing General and bedrest
34. Symptoms of pressure ulcers
35. Prevention of pressure ulcers
36. Rules of collection of the sputum for laboratory studies
37. Rules of collection of the urine for general analysis
38. Rules of collection of the urine for research according to Nechyporenko
39. Rules of collection of the urine for research according to Zimnitskiy
40. Rules of collection of stool (feces) for clinical study
41. Gastric lavage. Method. Indications, contraindications.
42. Enema. Method. Indications, contraindications.
43. Type of the urinals
44. First aid for vomiting.
45. Applying of the warmer. The mechanism of action, indications, contraindications.
46. Applying of the bubble with ice. The mechanism of action, indications, contraindications.
47. Applying of the warming compresses. The mechanism of action, indications, contraindications.
48. Basic function of the respiratory system.
49. Type of the breathing
50. Dyspnea. Definition. Type of the dyspnea.
51. Rules of calculation respiratory rate.
52. Abnormal type of the breathing.
53. Characteristics of the arterial pulse.

54. The method of the assessing arterial pulse
55. The method of the measuring blood pressure (Korotkov's method).
56. Type of the transportation of patients
57. Technics of stacking of the patient on a stretcher, rise on a ladder, descent
58. Moving of the patient: from a bed on wheelchair, from a wheelchair on a bed.
59. Functional bed. Definition. Types.

Documentation of the practice

Documentation on the practice, provided at the end of the teacher, includes a diary of clinical practice with a digital report.

Evaluation criteria based on the results of certification of clinical practice

Criteria for the final evaluation for the clinical practice "Junior medical staff assistant":

"5" (excellent) - the student has mastered complete program of clinical practice, observes discipline, has a correctly and accurately filled diary and digital report, has no comments from the direct supervisor.

"4" (good) - the score is reduced by one point if there are comments on at least one of the following items: non-rude comments on discipline, on the technique of performing practical skills by the head of the practice, the diary and/or report are filled with small shortcomings.

"3" (satisfactory) - implementation of the practice program with errors in the performance of skills, diary and / or report filled with deficiencies, there are violations of labor discipline during the practice.

"2" (unsatisfactory) – gross violation of labor discipline (regular unexcused absences). Billed "2" also for the forgery of the digital report (marked manipulation, which the student did not perform) and gross defects when filling out the diary.

The student who has not fulfilled the program of practice in due time and (or) received negative feedback on the work from the head of the practice, as well as missed the practice due to illness or other valid reasons, submits an explanatory note to the Dean's office, which indicates the reasons for the debt. The issue of practical training of these persons is decided individually.

List of recommended literature and information support of the clinical practice:

a) List of recommended literature:

Core reading:

1. Smirnova A. Yu. Patients care with internal diseases. Course of training practice [Электронныйресурс]: textbook of medicine for medicine faculty students / Smirnova A. Yu., V. V. Gnoevykh; Ulyanovsk State University, Insitute of Medicine, Ecology and Physical culture. - Электрон. текстовыедан. (1 файл : 3,09 Мб). - Ulyanovsk : ULSU, 2016.- 108 с.-Режимдоступа:ftp://10.2.96.134/Text/Smirnova_2016-1.pdf
2. Ostrovsky V. K. The general care per surgical patients with elements of first-aid treatment at sharp surgical diseases and injuries : educational and methodical edition for students of 1 course in "Medical business" and "Pediatrics" / V. K. Ostrovsky; translated by D. N. Isaev; Ulyanovsk State University, Insitute of Medicine, Ecology and Physical culture. - Ulyanovsk : UISU, 2015. - 92 с. - Текст на англ. яз. - Библиогр.: с. 91. - б/п.
3. Gostishchev Victor Kuzmich.

General surgery = A guide to general surgery practice: the manual : textbook for foreign students of medical higher educational institutions / Gostishchev Victor Kuzmich. - Moscow: GEOTAR-Media, 2018. - 219 p. : il. - Парал. тит. л. рус. - ISBN 978-5-9704-4697-3 : 900.00.

Supplementary reading:

1. Oslopov V.N., Epiphany O.V., et al..
General care. Training manual. Part 1. General care of a patient. Manual. Part 1 – Kazan:
KSMU, 2005. – 106 c. Access mode: <http://oslopov-kazan.ru/wordpress/wp-content/uploads/2014/02/General-care-of-a-Patient.-Part-1.pdf>

2. Oslopov V.N., Epiphany O.V., et al..
General care. Training manual. Part 2. General care of a patient. Manual. Part 2 – Kazan:
KSMU, 2005. – 114 c. Access mode: <http://oslopov-kazan.ru/wordpress/wp-content/uploads/2014/02/General-care-of-a-Patient.-Part-2.pdf>

Educational-methodical reading:

1. Chernova N.G. Methodical manual on clinical practice of 1st year students "Junior medical staff assistant" for the student/N.G. Chernova, A.Yu. Smirnova; edited by Gnoevykh V.V. - Ulyanovsk, Ulsu, 2020.-p.12;
2. Chernova N.G. Methodical manual on clinical practice of 1st year students "Junior medical staff assistant" for the teacher/N.G. Chernova, A.Yu. Smirnova; edited by Gnoevykh V.V. - Ulyanovsk, Ulsu, 2020.-p.13;
3. Chernova N.G. Methodical manual on clinical practice of 1st year students "Junior medical staff assistant" for independent work of the student/N.G. Chernova, A.Yu. Smirnova; edited by Gnoevykh V.V. - Ulyanovsk, Ulsu, 2020.-p.31.

b) Professed data base, directory and search systems:

1. Electronic library systems:

1.1. IPRbooks: Electronic Library System / AI P.Er Media Group. Electron. Dan. - Saratov, 2019. Access mode: <http://www.iprbookshop.ru>.

1.2. WRIGHT E-Resource: Electronic Library System / E-Publishing Ltd. Electron. Dan. Moscow, 2019. Access mode: <https://www.biblio-online.ru>.

1.3. Student Consultant "Electronic Resource": Electronic Library System / PolytechResource LLC. Electron. Dan. Moscow, 2019. Access mode: <http://www.studentlibrary.ru/pages/catalogue.html>.

2. ConsultantPlus "Electronic Resource": Reference Legal System. /Consultant Plus - Electron. Dan. - Moscow : ConsultantPlus, "2019".

3. Database of periodicals "Electronic resource" : electronic magazines / IVIS LLC. Electron. Dan. - Moscow, 2019. Access mode: <https://dlib.eastview.com/browse/udb/12>.

4. National Electronic Library

5. Educational resources of the USU:

5.1 Electronic libraries of USU. Access mode: <http://lib.ulsu.ru/MegaPro/Web>

5.2 Educational portal of USU. Access mode: <http://edu.ulsu.ru>

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