

Education of students
of Faculty of Medicine and Dentistry
in Disaster Medicine Unit, Pomeranian Medical University
Course: Emergency and Disaster Medicine

Teaching Unit:

Disaster Medicine Unit,
Pomeranian Medical University

70-204 Szczecin, Rybacka str. 1

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Head:

Stanisław Kulawiak, M.D.

Total Hours:

60 h, include:

30 h seminars

30 h classes

ECTS score: 4

Aims of Teaching:

An essential goal is to integrate the already acquired knowledge of emergency medicine with tactics of handling patients on spot of a multiple casualty incident (MCI) or disaster, and an essential goal of teaching emergency medicine is to acquire knowledge and abilities to give medical help in most frequent emergencies in human.

Detailed aims and didactic – educational tasks :

-) ability of proper mind and action in crisis situations,,
-) ability of organization and leading of rescue in MCI, triage
-) ability of giving first aid in chosen disaster situations.

Forms of Activities:

Subject of **Disaster Medicine** is carried out in III term (II year) in forms of seminars in dean's groups, Emergency Medicine is carried out in IV term (II year) in forms of classes in subgroups 8-10 students each.

Elements of lectures are applied as well as discussion, planning, simulations of a rescue action, practical instructions, analysis of rescue actions from video.

Teaching Program:

Topics of seminars:

1. Introduction to Disaster Medicine. Rescue action phases. MCI and Disaster.
2. Phases of Disaster Response. Defining Disasters.
3. Special rescue in natural and technical disaster.
4. General rules of management of MCI and Disasters. Management Systems on spot of disaster.
5. Range of medical help on spot. Triage.
6. Search for the missing victims. Evacuation and transport of victims.
7. Medical response after Technical Disaster
8. Medical response after Constructional Disaster
9. Medical response after Nuclear Disaster.
10. Medical response after Chemical Disaster
11. Medical response after Bioterrorism.
12. Biological and Chemical weapons.
13. Emergency Medicine Stress Management.
14. Human Rights in Extreme Situations according to Polish and International Law.

Topics of classes:

1. Primary survey and secondary assessment of a victim.
2. Cardiopulmonary Resuscitation (CPR).
3. CPR drills.
5. Wound dressings, management of hemorrhages.
6. Medical Emergencies.
7. Cold and heat-related illness and injury .
8. Head injuries.
9. Orthopedic emergencies.
10. Toxicologic Emergencies.
11. Electric current and lightning injuries.
12. Pediatric Emergencies.
13. Emergencies in Dentistry
14. Triage drills
15. Evacuation and ambulance transport of victims.

Teaching Results.

Student should know:

-) how to organize first aid and collaborate with other rescue services,
-) general rules of management in extreme situations,
-) and can deliver a first aid to victims in situation of scarce of material and measures.

Credits:

Student obtains a credit as a confirmation of an active presence at seminars and classes, checking the knowledge and abilities concerning topics taught. Topics of seminars and classes, terms are given in schedules.

Literature:

1. Briggs S., Brinsfield K. (red.): Wczesne postępowanie medyczne w katastrofach, PZWL, Warszawa 2007
2. Buchfelder M., Buchfelder A.: Podręcznik pierwszej pomocy, PZWL, Warszawa 2008
3. Chomiczewski K., Kocik J. i Szkoda M.: Bioterroryzm, PZWL, Warszawa 2002
4. Ciećkiewicz Jan (red.): Ratownictwo medyczne w wypadkach masowych, Wrocław 2008
5. Gaszyński Wojciech: Intensywna terapia i wybrane zagadnienia medycyny ratunkowej, Warszawa 2008
6. Zawadzki A. (red.): Medycyna ratunkowa i katastrof, PZWL, Warszawa 2006
7. Hogan D.E. Burstein J.L. eds Disaster Medicine. Lippincott W&W, Philadelphia 2002