

## **TITLE: STUDENTS OF PdF MU AND THEIR FIRST AID ACQUIREMENTS AND SKILLS (RESEARCH IN PROGRESS)**

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**Abstract:** *It is assumed that every adult, especially a teacher, is able to apply first aid. This article describes research, which was realized by authors and its aim is to find out the information about first aid requirements and skills by students of PdF MU. And also if students are prepared sufficiently during undergraduate studium. Some of concrete activities realized (or planned) by Family education and Health education department for increasing competency of first aid treatment of prospective teachers.*

**Keywords:** *competency, acquirement, first aid, Faculty of Education*

There are many claims and demands on teachers, one of this skills is also an acquirement to apply the first aid. Every teacher should be able to apply first aid in case of need. This assumption should be reflected during the study of future teachers.

In Kubikova (2008) is „first aid very important, its knowledge can be crucial for death or life salvation of human being.“ There is a problem in Czech republic, that many pedagogues are not well-educated in the case of first aid, it was not compulsory object during their studies, but they should teach it their students now. By Skovajsová is this stadium very unsettling. Education is mostly theoretical and irrelevant. By Budský and Matoušek is a knowledge of first aid by people of Czech republic very poor, there does not exist any unitary first-aid education system. By Kubiková it is very important to teach the first aid with an accent on modern and simple advances, the practical education is most important above all (Kubíková, Zuchová a kol. 2008)

We were interested in how future teachers and our faculty students are expert in this acquirements. So we realized research aimed at ascertainingm knowledge and skills of students, which dealt with first aid treatment in various situations. This investigation proceeded in a number of phases.

- **The first part** of the research work was in progress during spring time 2008. It was a question form amongst PdF MU students – 2. university grade (623 respondents), administration passed during the subject „Health education“. There were questions testing some of basic knowledge of first aid in this questionnaire (telephone numbers, first aid treatment by unconsciousness, intoxication, fractures, apneusis, stasis...). Next questions were about first aid course negotiating and about first aid education during studies at the Faculty of Education. Outcomes are in process.

As an example:

*„If you would like to write anything about first-aid and its education, we would like to know it.“*

And here are some of most frequent answers:

- *„...first aid course should be obligatory...“*
- *„...the most important is to know first aid by epileptical, asthmatic and anaphylactic shock and attack...“*
- *„...especially practical training and video should be perfect...“*
- *„...it is very important to prepare future teachers for critical situations...“*
- *„...there is not enough of first aid education anywhere...!“*
- *„...by my opinion there should be enough of first aid treatment since primary school...“*
- *„...needless monkeybusiness...“*
- *„...first aid education at schools is absolutely insufficient...“*
- *„...I think, that there should be some courses of first aid. I would like to take a part and I think, that I am not the only one...“*

- **The other two parts** of this research were in progress during spring school term 2009. We were examining respondents reactions for stimuli in first aid context. These situations were presented by short video expositions. This form of testing is innovative, it is a new methodology.
  - 20 respondents who passed first aid course were addressed. **9 situations** were chosen: syncope, epileptic attack, nose hemorrhage, medicament intoxication, infarct, brain episode, hemorrhage – incised wound, electric current accident and inspiratory. Recording form was divided into a structured and non-structured part.
  - Non – structured part was a question *„Imagine, that you are a witness of this situation, what would you do and what do you think is happening?“*
  - Structured part was divided into more questions:
    - *Situation evaluation. Type of injury. Symptoms*
    - *Necessary of help*
    - *How would you extend first aid. Practice*
    - *How do you feel about this situation? (optional answer)*

Outcomes are in process. As an example you can read now some of interesting ascertainings.

*How do you feel about this situation?*

Most often were this answers

- *nervousness, stress, anxiety, chaos, frightening*
- *help efforts, compassion*
- *nothing (video) – chaos (reality)*
- *blood fear, nausea*
- *fear, blame*
- *disturbance, helplessness, panic*
- *terrible, horrible*
- *„be quick!“*

There were also some interesting answers. One respondent answered, that electric injury does not bring any special feelings to him, but he would faint by incised wound. The biggest problem was with the situation of brain episode, which was classified mostly as biliary colic, epileptic attack or syncope. As we found out - 9 situations were quite much and for respondents it was very exhausting, so we have chosen only **4 situations** then. It were syncope, epileptic attack, infarct, electric injury. These situations were exposed to PdF MU students – 2. university grade during spring term 2009.

Question form comprehended this items:

- *What is your idea, if you can hear the words „first aid“?*
- *Next questions were the same as in antecedent one (1)-(4)*
- *Did you feel stress during this situation? (answers – absolutely not – mild – strong – very strong)*
- *Which of these situations would be for you most problematic probably? (syncope, epileptic attack, nose hemorrhage, medicine intoxication, infarct, apoplexy, incised wound, electric injury, asphyxia)*

Next questions were aimed at respondents experiences with first aid treatment in his or her life and passing through first aid course, or an interest for passing such a course.

- *Did you ever extend first aid treatment ? Where was it? (at home, by car accident, elsewhere)*
- *Did you ever pass first aid course?*
- *If yes, did you get any certificate?*
- *Would you like to go through first aid course?*
- *Would you like to write anything about this issue?*

This research is in a phase of encoding and data handling.

At this time, there is not enough of first aid education at the Faculty of Education MU. We followed contact with Health highschool Jaselská and organized a course for students and pedagogues, who were interested in it. It was 18 hours lasting course, its part was a demonstration and also practical drill (10 hours)

This course was about:

1. Uniform method of first aid treatment
  - premedical first aid, technical first aid
  - integrated rescue system ( specialized help, penal law, first aid help and its principles)
  - an exploration of the wounded
  - handleable first aid kit
2. Transfer of wounded
3. Basic life functions and resuscitation
  - clearness of the air passages
  - adult resuscitation
  - children resuscitation
  - cardiopulmonar resuscitation
4. Syncope
5. Hemorrhage
6. Fractures
7. Wounds
8. Hot shock, Cold shock, Electric shock
  - ambustion
  - heatstroke
  - frostbite
  - first aid
9. Sudden estates
  - myocardium infarct
  - status epilepticus
  - diabetes
  - acute intoxication

Informations and knowledge could be used in civil life, by first aid patrols etc. Presently 76 students and 4 pedagogues absoluated this course. This course is paid (1000 Kč), after final exams, you get certificate.

Here are some of efficient schoolbooks;

- JANOŠKOVÁ, Dagmar, ONDRÁČKOVÁ, Monika, ČÁBALOVÁ, Dagmar, ŠEBKOVÁ Jitka, MARKOVÁ, Hana. *Občanská výchova 7, Rodinná výchova 7*. 1. vyd. Plzeň: Fraus, 2004. 128 s. ISBN 80-7238-325-6.
- JANOŠKOVÁ, Dagmar, ONDRÁČKOVÁ, Monika, ČEČILOVÁ, Anna. *Občanská výchova 6 s blokem Rodinná výchova*. 1. vyd. Plzeň: Fraus, 2003. 136 s. ISBN 80-7238-207-1.

- MARÁDOVÁ, Eva. *Zdravý životní styl – Výchova ke zdraví*. 1. vyd. Praha: Fortuna, 2004. 64 s. ISBN 80-7168-914-9.
- MARÁDOVÁ, Eva. *Rodinná výchova – Zdravý životní styl 1*. 2. vyd. Praha: Fortuna, 2000. 144 s. ISBN 80-7168-712-X.
- MARÁDOVÁ, Eva. *Rodinná výchova – Zdravý životní styl 2*. 1. vyd. Praha: Fortuna, 1999. 120 s. ISBN 80-7168-643-3. Učebnice neobsahuje žádnou zmínku o tématu první pomoci.
- MALENINSKÝ, Miroslav, VACKOVÁ, Blanka. *Přírodopis pro 8. ročník*. 1. vyd. Praha: Nakladatelství České geografické společnosti, 2005. 76 s. ISBN 80-86034-41-0.
- KVASNIČKOVÁ, Danuše, FAIERAJZLOVÁ, Věra, FRONĚK, Jiří, PECINA, Pavel. *Ekologický přírodopis pro 8. Ročník ZŠ*, 2. vyd. Praha: Fortuna, 1997. 128 s. ISBN 80-7168-477-5..
- KANTOREK, Jan, JURČÁK, Jaroslav, FRONĚK, Jiří, *Přírodopis 8*, 1. vyd. Olomouc: Prodos, 1999. 128 s. ISBN 80-7230-040-7.
- ČERNÍK, Jan, BIČÍK, Vítězslav, MARTINEC, Zdeněk. *Přírodopis 3*, 1. vyd. Praha: SPN, 1998. 80 s. ISBN 80-85937-97-2.
- DOBRORUKA, Luděk J., VACKOVÁ, Blanka, BARTOŠ Pavel, KRÁLOVÁ Regina, *Přírodopis 3*, 1. vyd. Praha: Scientia s.r.o., 1999. 160 s. ISBN 80-7183-167-0
- VANEČKOVÁ, Ivana, MARKVARTOVÁ, Drahuše, SKÝBOVÁ, Jana, HEJDA, Tomáš, *Přírodopis 8 učebnice pro ZŠ a víceletá gymnázia*, 1. vyd. Plzeň: Fraus, 2006. 128 s. ISBN 80-7238-428-7..
- KOČÁREK, Eduard, *Přírodopis pro 8. ročník ZŠ*, 1. vyd. Praha: Jinan, 2000. 94 s. ISBN 80-238-6068-2.

Except schoolbooks is also very useful first-aid handbook.

- DVOŘÁČEK, Ivan. *Průručka první pomoci*. 3. vyd. Bratislava: Příroda, s.r.o., 2001. 224 s. ISBN 80-07-00691-5.

In first-aid education (by future pedagogues) is very alarming disproportion between a need – which comes out from school reality and real estate.

Solution is a conception of systematic build-up of the level of education ( by students of PdF MU) in first-aid treatment. One of realized steps is – elective subject „First-aid“ which will be realized during autumn term 2009. Subject will be guaranteed by Health education department and realized by the help of instructors of SZŠ Jaselská ([www.szs-jaselska.cz](http://www.szs-jaselska.cz))

E-learning course + practical skills.

The next variation is a seminary „First-aid by experience“ which is based on modern pedagogy directions – experience pedagogy and active teaching methods. [www.zdrsem.cz](http://www.zdrsem.cz) – first aid courses by experience are a big inspiration for subject creation. Some of methodic materials are also available from <http://www.fsps.muni.cz/pp/> and [is.muni.cz/elportal/fsps/js08/prvniplomoc/index.html](http://is.muni.cz/elportal/fsps/js08/prvniplomoc/index.html). Informations about first-aid you can also find at <http://www.fsps.muni.cz/pp/> a [is.muni.cz/elportal/fsps/js08/prvniplomoc/index.html](http://is.muni.cz/elportal/fsps/js08/prvniplomoc/index.html). and [www.zzsjsmk.cz/aktuality/](http://www.zzsjsmk.cz/aktuality/).

The main organiser of first-aid courses in Czech republic is Czech red cross, ([www.cck.cz](http://www.cck.cz)), its agency is republic-wide. But more and more often we can find some other companies, organizations or natural persons organising first-aid courses as well.

<http://prvnipomoc.iprostor.cz/nabidka-kurzu-prvni-pomoc.htm>

<http://www.kurz-prvni-pomoc.cz/>

<http://lifesupport.cz/>

<http://www.abc-prvnipomoc.cz/>

## **ZNALOSTI A DOVEDNOSTI STUDENTŮ PdF MU V OBLASTI PRVNÍ POMOCI (ZPRÁVA Z PROBÍHAJÍCÍHO VÝZKUMU)**

**Abstrakt:** Všeobecně se předpokládá, že každý dospělý člověk, tím spíše učitel, je schopen v situaci, která to vyžaduje, poskytnout první pomoc. Příspěvek popisuje výzkumné šetření, které autorky realizovaly. Jeho cílem bylo zjistit, zda jsou adeпти učitelství, studenti Pedagogické fakulty Masarykovy univerzity, dostatečně připraveni v této oblasti a jsou-li adekvátně připravováni v pregraduálním studiu. Dále jsou v příspěvku uvedeny některé konkrétní kroky, realizované (popř. plánované) katedrou rodinné výchovy a výchovy ke zdraví PdF MU v rámci zvyšování kompetence adeptů učitelství v oblasti první pomoci.

**Klíčová slova:** kompetence, dovednost, první pomoc, pedagogická fakulta