



# First Aid in Health Care Disciplines

doc. MUDr. Jozef Firment, PhD.

Košice, Thursday, November 22<sup>nd</sup> 2018



*Pavol Jozef Šafárik*  
1795 - 1861



ERASMUS+ PROGRAMME  
Erasmus+ - Key Action 2

Capacity Building in the Field of Higher Education



1948



# Logo – vital signs



prof.. MD. PhD. F.A.C.C.

# William Ganz

\*7.1.1919 **Košice** - †10.11.2009 Los Angeles

**1937 Košice**, school-leaving exam  
gymnasium

- 1947 Praha UK graduation MD.
- 1947 – 1966 U.C.L.A.
- 1951 internist Bulovka

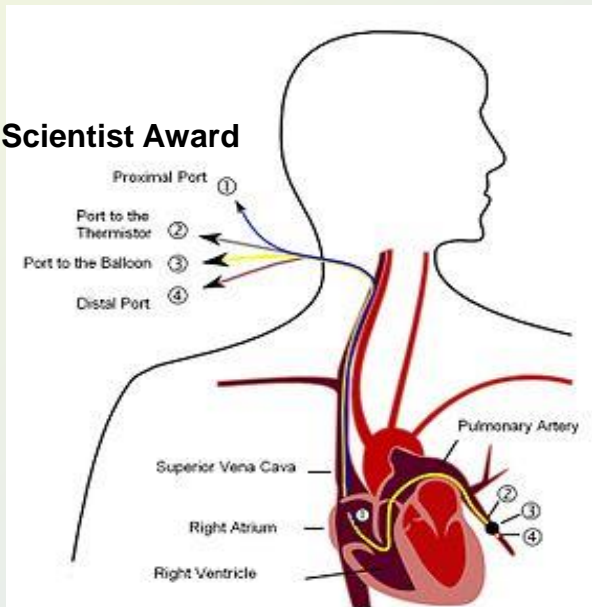
**1970 introduced to clin. praxis - Swan S-G catheter**

- 1970 ass. professor
- 1972 professor
- 1992 Distinguished Scientist Award



Swan HJC, Ganz W, Forrester J, Marcus H, Diamond G, Chonette D. Catheterization of the heart in man with use of a flowdirected balloon-tipped catheter.

*N Engl J Med* 1970;283:447-51.



# First Aid – GM

Subject: **First Aid**

Study Programme: **General Medicine**

Evaluation: **completed** – absolvoval

Content: **1h lecture & 1h practical/week**

Study Period: **1<sup>st</sup> term**

Subject Type: **compulsory**

Total: **28 hours**

# First Aid – DM

Subject: **First Aid**

Study Programme: **Dental Medicine**

Evaluation: **completed** – absolvoval

Content: **1h practical/week**

Study Period: **3<sup>rd</sup> term**

Subject Type: **compulsory**

Total: **14 hours**

# First Aid

## Nr. of Students

### 2017

Study year

Počet študentov	Forma štúdia	1.	2.
<b>Doktorské v SJ</b>		<b>244</b>	<b>253</b>
Všeobecné lekárstvo	denná	208	209
Zubné lekárstvo		36	44
<b>Doktorské v AJ</b>		<b>316</b>	<b>244</b>
Všeobecné lekárstvo	denná	254	216
Zubné lekárstvo		62	28



# First Aid – syllabus GM (Dept. of A+IM)

<i>Week</i>	<i>Lectures</i>	<i>Practical Lessons</i>
1.	Basic life support	Primary assessment. Initial action steps
2.	Basic life support	Basic life support
3.	Resuscitation in special situations	Secondary assessment
4.	Resuscitation in special situations	Circulatory emergencies: bleeding, heart attack
5.	Basal algorithms in EM	Respiratory emergencies
6.	Basal algorithms in EM	Soft tissue injuries
7.	Primary and secondary assessment	Stroke and TIA, seizures
8.	Primary and secondary assessment	Bone and joint injuries

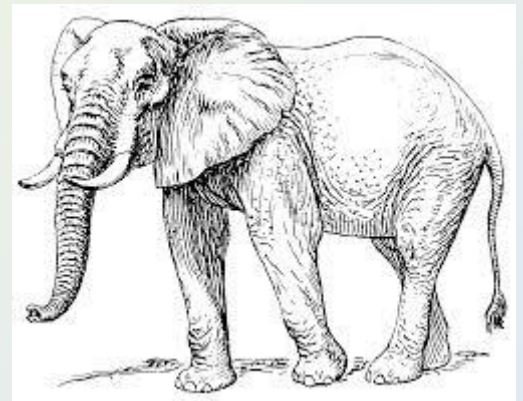
## Dept of Traumatology

9.	Bone and joint injuries	Shock
10.	Bone and joint injuries	Heat and cold- related injuries
11.	Soft tissue injuries	Medical conditions:diabetes
12.	Soft tissue injuries	Poisoning
13.	Head and facial injuries, spinal injury	Airway management, aut extrn defibrillation
14.	Head and facial injuries, spinal injury	<b>Test</b>

# ANAESTHESIOLOGY & INTENSIVE CARE MEDICINE

## COMPONENTS OF THE SUBJECT

1. Anaesthesiology
2. Intensive (Critical) Care Medicine
3. (Pre-hospital) emergency care, acute medicine, life-treating situations, **First Aid**
4. Algaesiology





# CURRICULUM A+IM

- 5<sup>th</sup> study Year
- Block study (2 weeks daily lectures & practices)
- Credit test
- **Practical exam CPR (2' BLS, electronical control & results)**
- Oral Exam

# ECTS grade % of successful students normally achieving the grade

	<b>%</b>	<b>Cumulative %</b>	<b>Definition</b>
<b>A</b>	<b>10</b>	<b>10</b>	<b>EXCELLENT - outstanding performance with only minor errors</b>
<b>B</b>	<b>25</b>	<b>35</b>	<b>VERY GOOD - above the average standard but with some errors</b>
<b>C</b>	<b>30</b>	<b>65</b>	<b>GOOD - generally sound work with a number of notable errors</b>
<b>D</b>	<b>25</b>	<b>90</b>	<b>SATISFACTORY- fair but with significant shortcomings</b>
<b>E</b>	<b>10</b>	<b>~100</b>	<b>SUFFICIENT - performance meets the minimum criteria</b>
<b>FX</b>			<b>FAIL - some more work required before the credit can be awarded</b>
<b>F</b>			<b>FAIL - considerable further work is required</b>

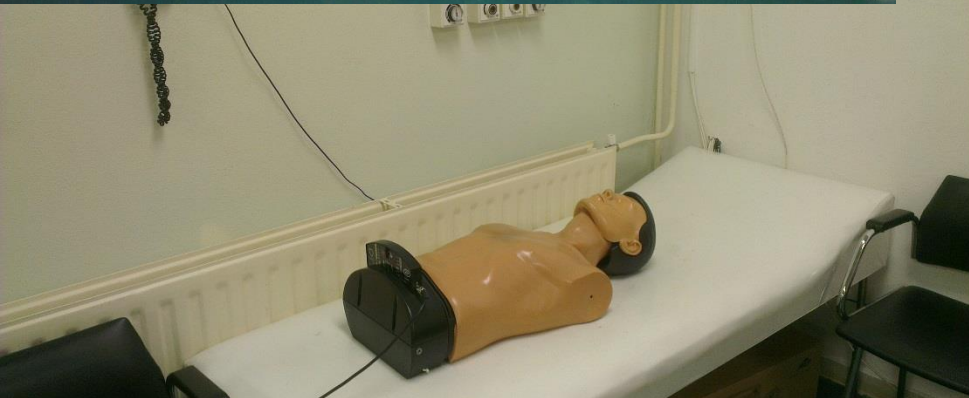
The **ECTS grading scale** is a grading system defined in the European Credit Transfer and Accumulation System (ECTS) framework by the European Commission.

# **A CPR & First Aid** 5th study year

- 1. CPR, Chain of Survival**
- 2. Cardiac Arrest and Life-threatening Arrhythmias**
- 3. Airway Management without Airway Devices**
- 4. Basic Life Support - Adults**
- 5. Basic & Advanced Life Support - Newborns, Infants & Children**
- 6. Advanced Life Support Adults**
- 7. Airway Management with Airway Devices**
- 8. Drugs for CPR & Routes of Drugs Administration**
- 9. Defibrillation, cardioversion, cardiostimulation**
- 10. First Aid in Near-drowning**
- 11. First Aid in Electrical Current Injury**
- 12. First Aid in Burn Trauma**
- 13. First Aid in Hyper- Hypothermia**
- 14. Cardiac Arrest in Pregnancy**
- 15. First Aid in Anaphylaxis**
- 16. Acute Poisoning - First Aid, Elimination methods, Support**
- 17. Specificity of In-hospital Cardiac Arrest, Rapid Response Teams**
- 18. Pre-hospital & In-hospital Transport of critically ill**
- 19. Ethical & Legal Issues of CPR & Intensive Care**
- 20. Emergency Services – Organisation, Personal & Technical Equipment**



PAVOL JOZEF ŠAFÁRIK UNIVERSITY IN KOŠICE  
Faculty of Medicine



## Simulators & Equipment

SimMan

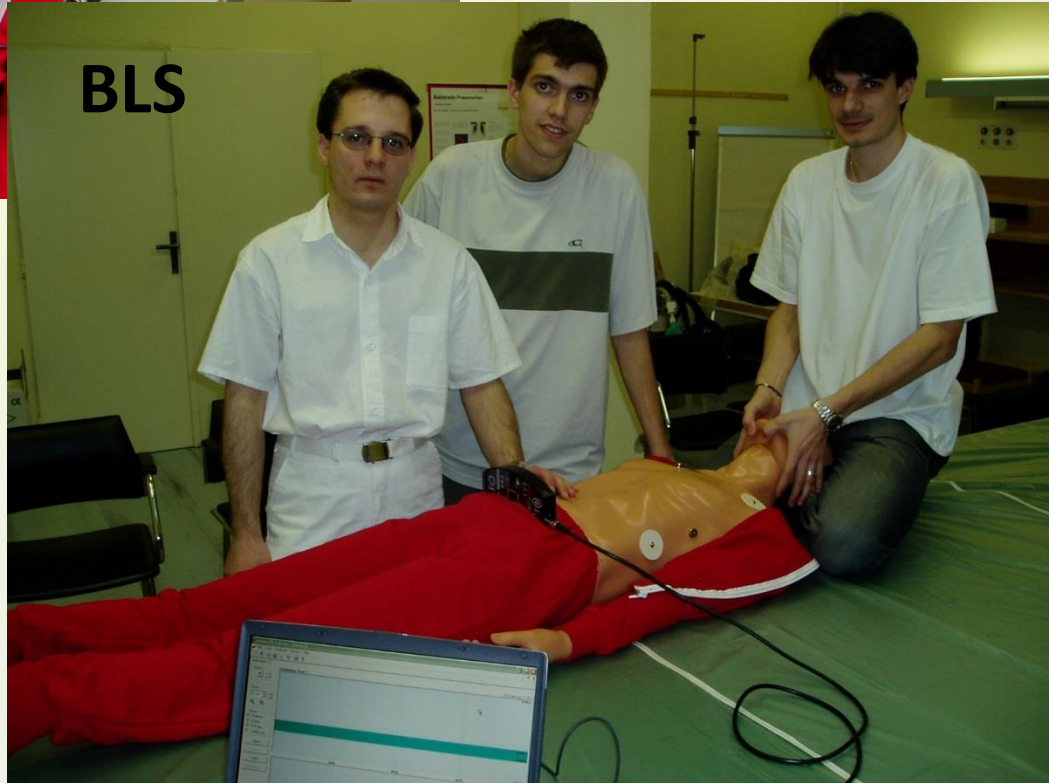


# Practices

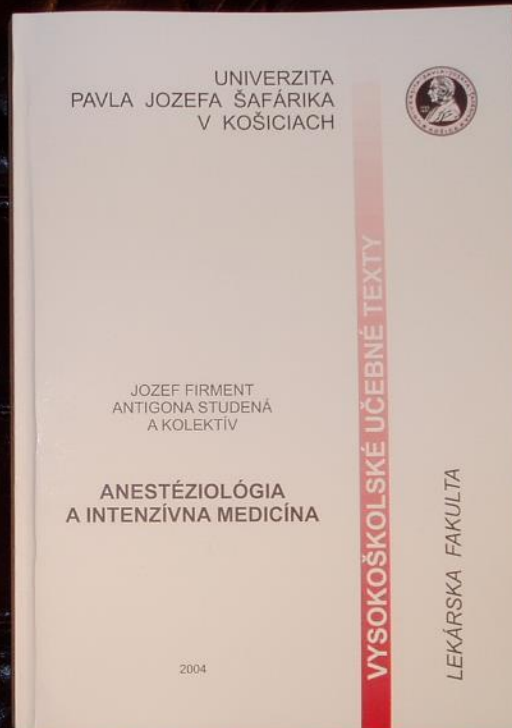
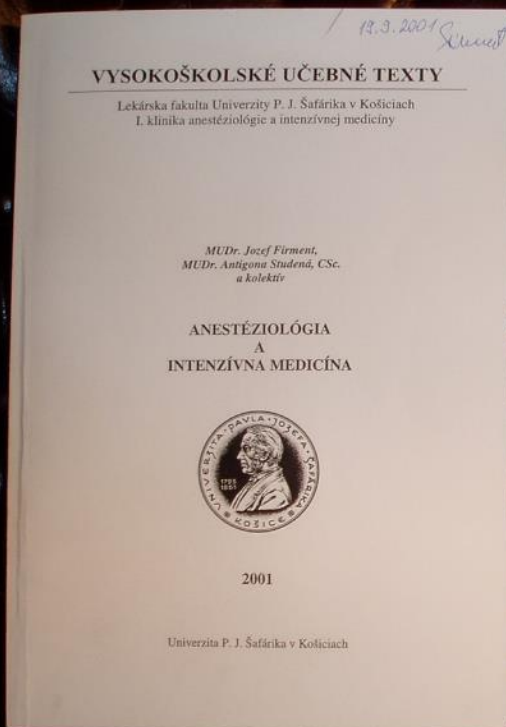
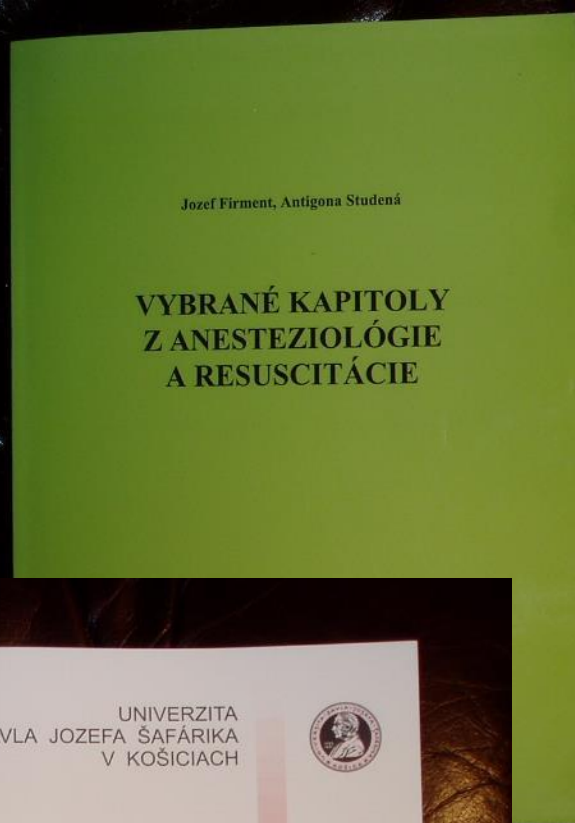
## AIRWAY MANAGEMENT

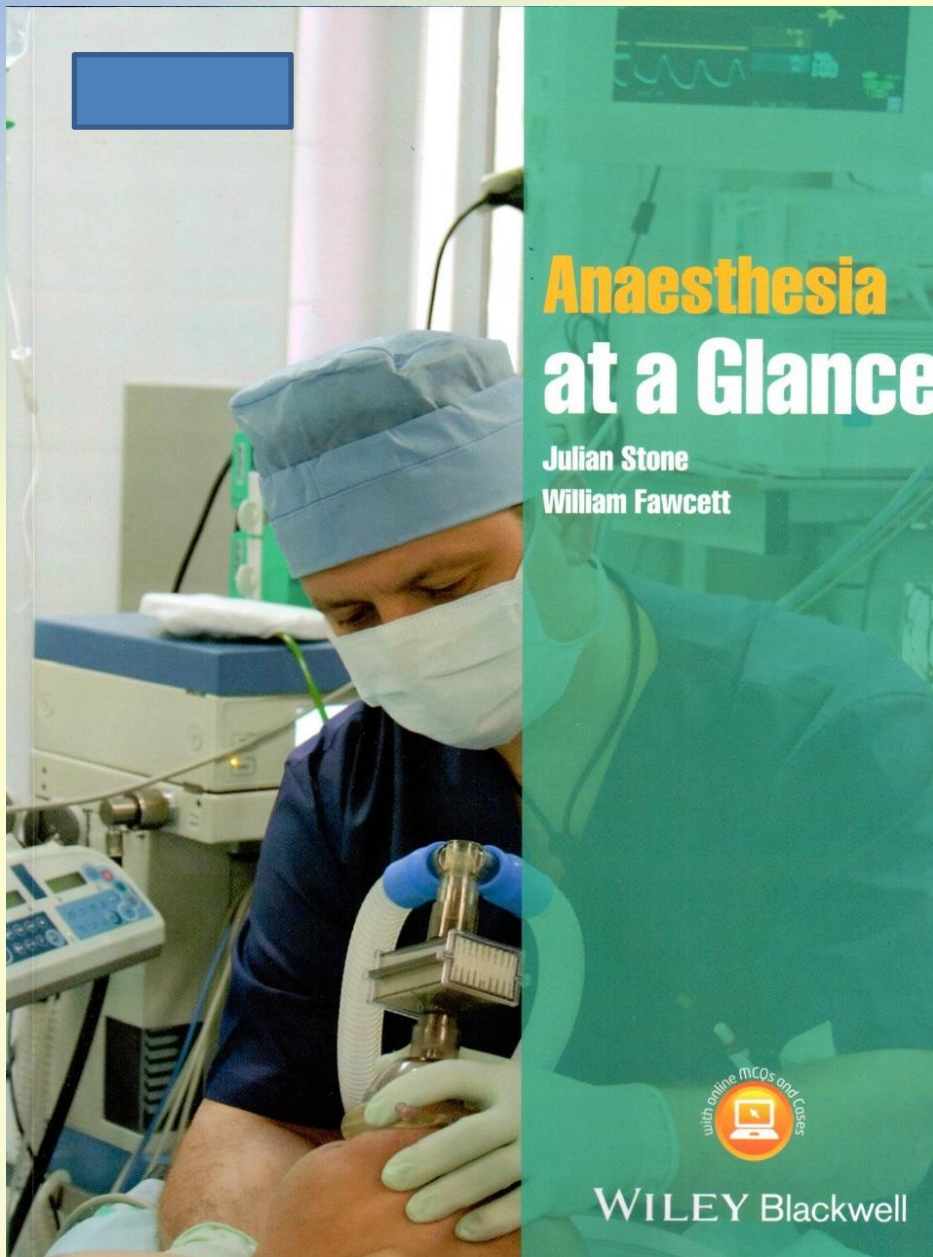


## AED

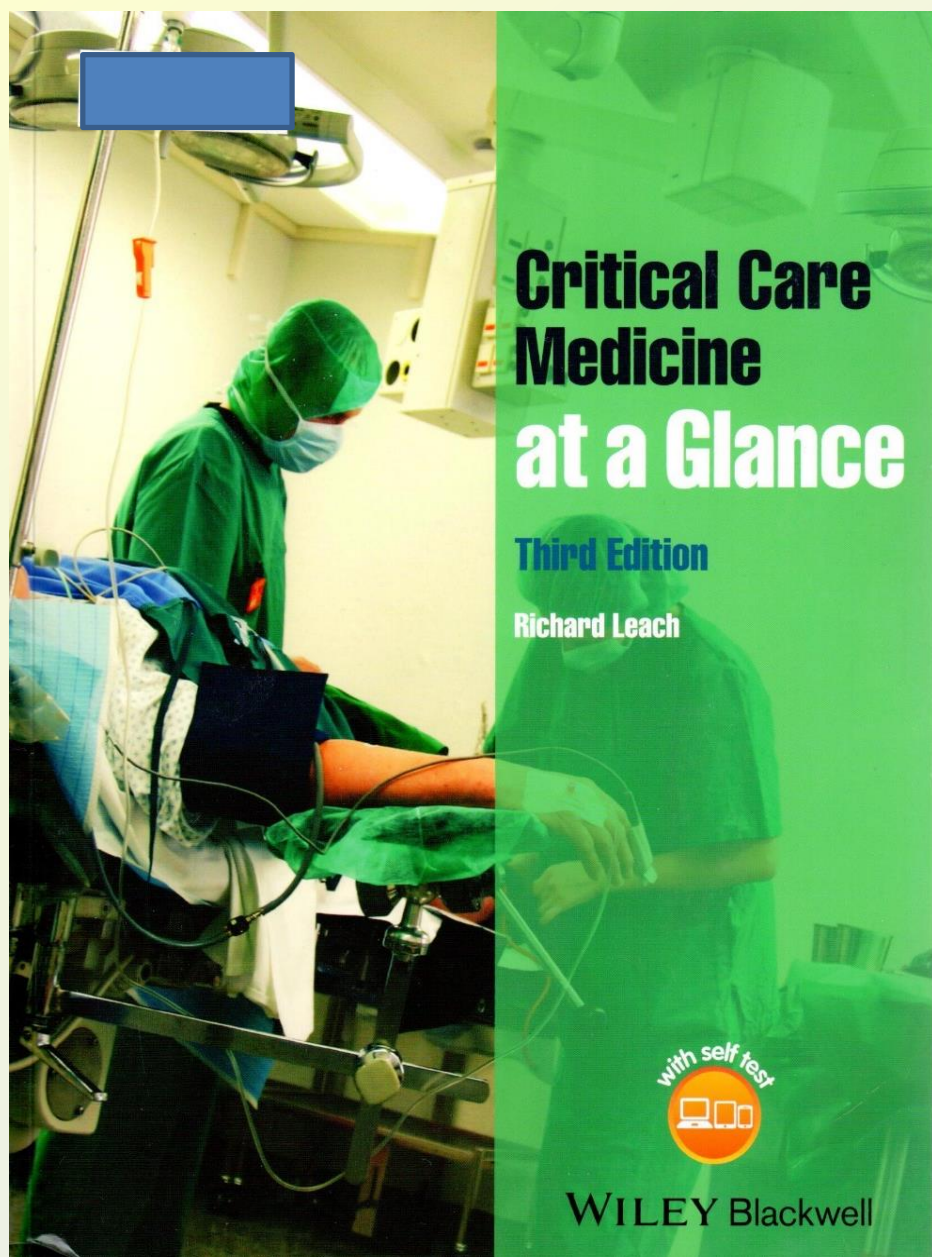


# Study textbooks





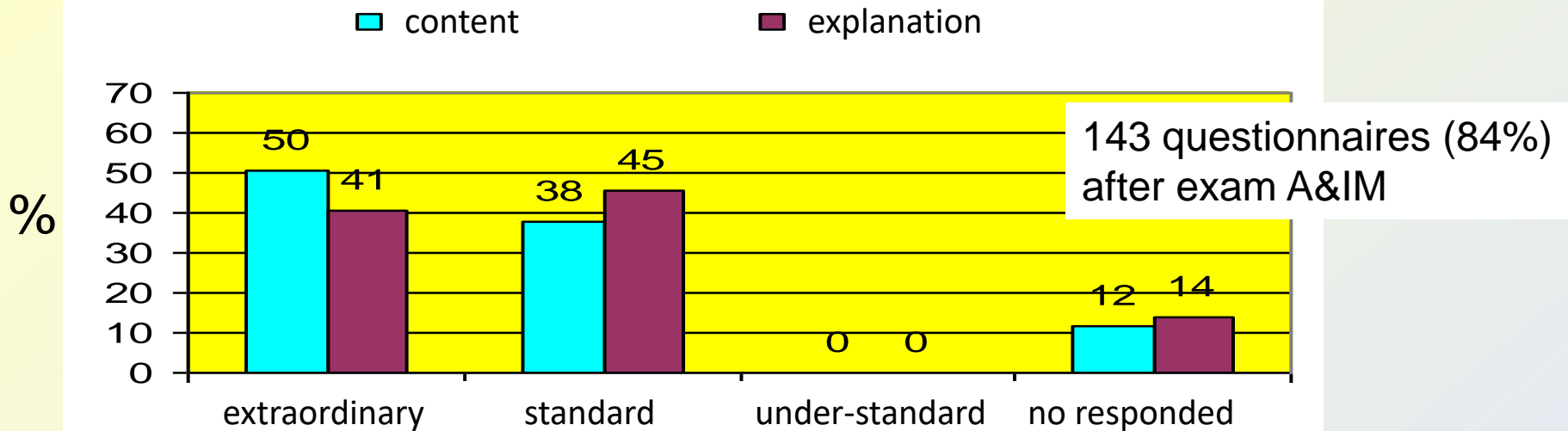
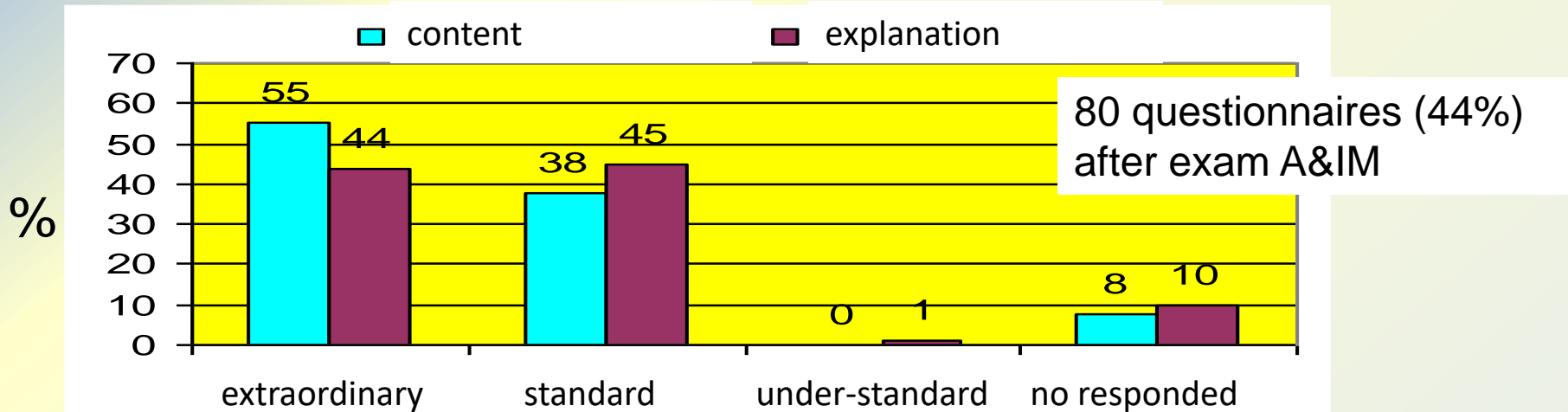
1<sup>st</sup> ed 2013 88 pp



3<sup>rd</sup> ed 2014 172 pp

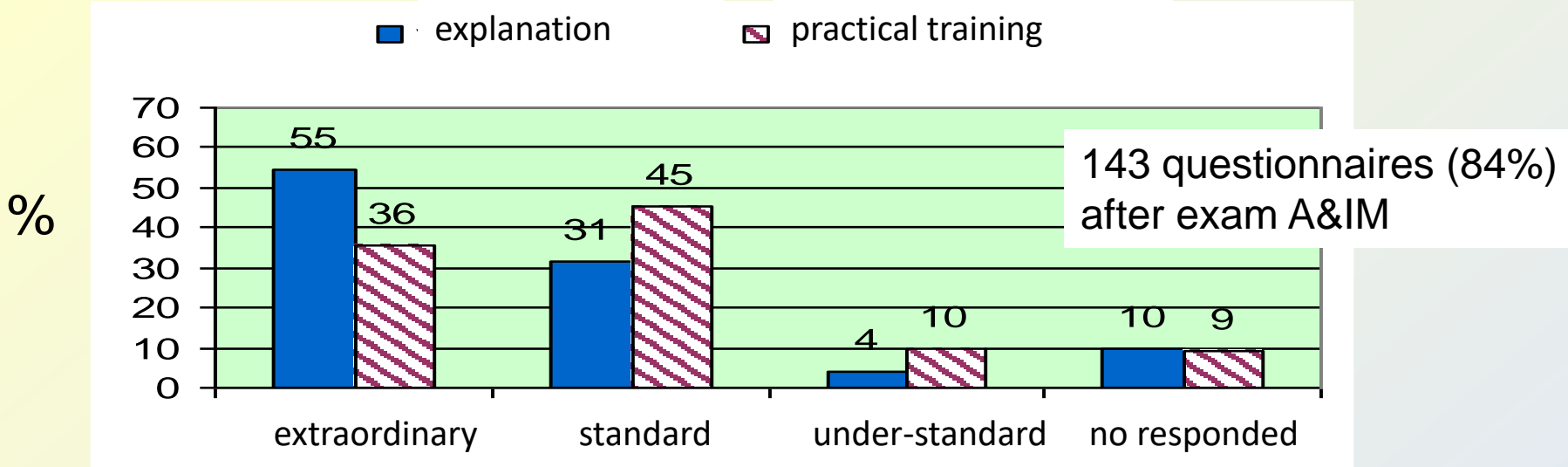
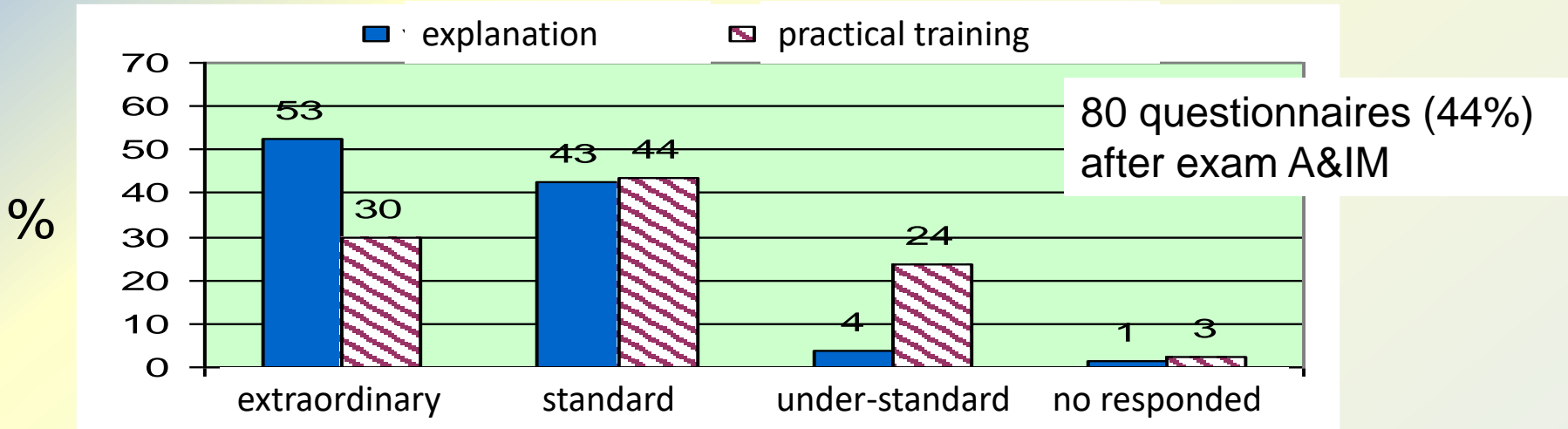
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# Student Evaluation of Lectures





# Student Evaluation of Practices



# Postgraduate Study



## Univerzita Pavla Jozefa Šafárika v Košiciach Lekárska fakulta

Trieda SNP 1  
040 11 Košice  
Slovenská republika

**Dekanát:**  
Telefón/Fax: (+421 55) 642 81 51  
e-mail: tajomnik@lf.upjs.sk

**Študijné oddelenie:**  
Telefón/Fax: (+421 55) 789 49 29  
e-mail: studijne@lf.upjs.sk

**PR manažér:**  
Telefón: (+421 55) 234 3220  
Mobil: 0905 344 299  
e-mail: jaroslava.orevcova@upjs.sk

A sociácia  
U žiteľov a  
Študentov  
Lekárskych  
Fakult



Študenti,  
kontrolujte  
a hodnotíte  
výučbu!

## Prehľad akreditovaných špecializačných študijných programov

### Zdravotnícke povolanie lekár

Anestéziológia a intenzívna medicína  
Cievna chirurgia  
Dermatovenerológia  
Diabetológia, poruchy látkovej premeny a výživy  
Endokrinológia  
Fyziatria, balneológia a liečebná rehabilitácia  
Fyziatria, balneológia a liečebná rehabilitácia – platné od 1. októbra 2014  
Gastroenterologická chirurgia  
Gynekológia a pôrodníctvo  
Chirurgia  
Infektológia  
Kardiológia  
Maxilofaciálna chirurgia  
Neurochirurgia  
Neurológia  
Otorinolaryngológia  
Pediatria  
Pediatrická reumatológia  
Pneumológia a fúzeológia  
Pracovné lekárstvo  
Rádiológia  
Ultrazvuk v gynekológii a pôrodníctve  
Úrazová chirurgia  
Urológia  
Vnútorné lekárstvo  
Všeobecné lekárstvo - Náplň programu platná pre študentov ŠŠ zaradených do odboru v období od: 20.8.2008 – 20.8.2013  
Všeobecné lekárstvo (pre lekárov zaradených do špecializačného odboru všeobecné lekárstvo po 24.2.2014)  
Všeobecné lekárstvo - Špecializačné štúdium podľa zmeneného minimálneho štandardu je možné realizovať u študentov, ktorých vzdelávacia ustanovizeň bude zaraďovať od 1. októbra 2014 v zmysle § 70 ods. 7 nariadenia vlády č. 296/2010 Z. z.

### Pre zdravotnícke povolanie lekár a zubný lekár

Zdravotnícky manažment a financovanie

### Zdravotnícke povolanie zubný lekár

Čelustná ortopédia  
Detské zubné lekárstvo  
Maxilofaciálna chirurgia

### Zdravotnícke povolanie sestra

Anestéziológia a intenzívna starostlivosť  
Intenzívna ošetrovateľská starostlivosť o dospelých

### Zdravotnícke povolanie fyzioterapeut

Fyzioterapia porúch CNS

## 25 specialisations in GM

## management in Health Care

## 3 specialisations in DM

## 2 specialisations in Nursing

## 1 specialisations in Physiotherapy



### Pracoviská

- » Dekanát
- » Ústavy
- » Kliniky
- » Klinické výučbové základne
- » Vedecko-výskumné a experimentálne pracoviská
- » Účelové zariadenia

### Univerzitný kalendár akcií

25. 02. 2015  
Udelenie čestného titulu „doctor honoris causa“

### Fakultný kalendár akcií

19. 02 2015  
Obhajoby dizertačnej práce  
- MUDr. Jana Pobehová  
- MUDr Ahmad Gharaibeh, MPH

04. 03. 2015  
Verejné habilitačné prednášky  
- RNDr. Ladislav Guller, CSc.  
- PharmDr. Zdenko Pirník, PhD.



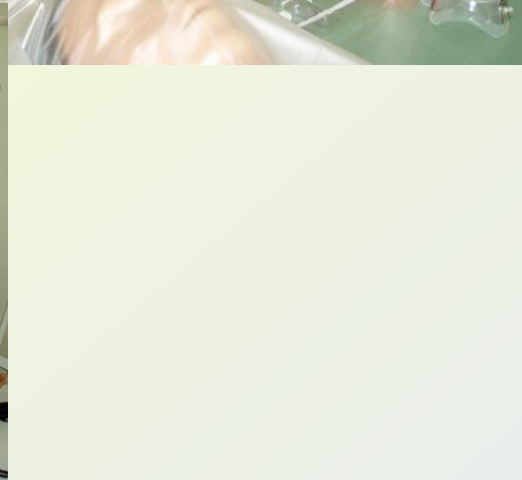
# Postgraduate Study – Workshops - Critical situations training

- **First Aid** for Paramedics EMS
- **Difficult Airway** Management Workshop =  
European Airway Management Society for  
Anaesthesiologists
- ...

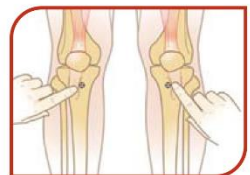


# Difficult Airway Management Workshop

Difficult Airway Society



FDA CLEARED SITES:



Proximal Tibial



Distal Tibial



Proximal Humerus

# The First in Slovakia!



Our own USG since 20090424

## Intraosseal (drilling) approach

Since 20091201



# Intrahospital Red Line

since 1997 up to 2016: **2323**

since 2016 EU Nr: **2222**





- February 1<sup>st</sup> 1966 – 52 years  
Establishment of the **First Department of ICU**  
in Czechoslovakia (Košice, R 43)

Thank you for your attention!