EPUAP 2021 Virtual Meeting

18-19 October

Challenges in the
 Healthcare Education
 During the Pandemic and
 the Benefit of Simulation
 Techniques.



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2 Conflict of interests

I have no potential conflict of interest to report









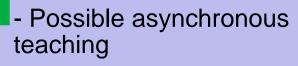
Virtual teaching (only for the pandemic time?)

- Difficult feedback giving
- Time demanding change
- No/limited practical training
- No/limited interaction



Virtual teaching (only for the pandemic time?)





- Time-management
- Pre-learning for practical training
- Guaranteed quality
- A bit Anonymous
- Interaction in synchronous teaching

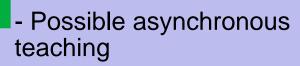
- Difficult feedback giving
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Virtual teaching (only for the pandemic time?)





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Virtual patients AKUTNE.CZ

RESUSCITATION OF COVID-19 POSITIVE PATIENT

Assoc. Prof. Martina Kosinová, MD, PhD, Tamara Skříšovská, Tereza Prokopová. Illustrations: Anita Bauerová



The general director of the World Health Organization (WHO) declared the COVID-19 infection a world pandemic situation on the 11 th March 2020. At the time, there is neither specific treatment nor vaccination available against COVID-19 infection. Everyone in the population is considered to be susceptible to this infection. The clinical features of COVID-19 infection vary from asymptomatic presentation to severe pneumonia and in the gravest cases can lead to death. In most of the cases (80%), the clinical presentation would correlate to mild respiratory infection and

pneumonia. The severe cases with the high risk of death are connected with the elderly patients with comorbidities and chronic medical impairment. This algorithm aims to guide you through the essential safety precautions and deviations from the standard CPR approach, taking into account the risk of spreading the COVID-19 infection from the patient to the medical staff.

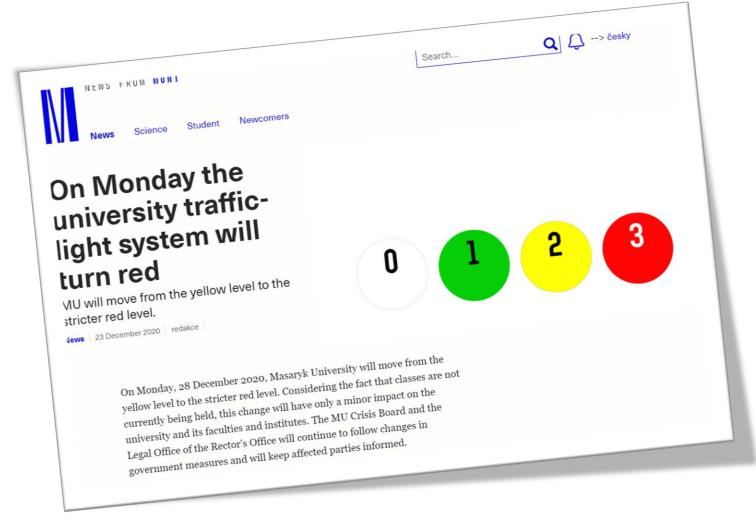








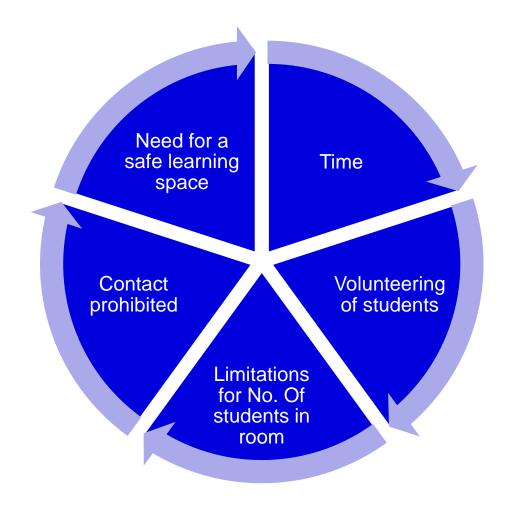
Year 2020 – COVID changed everything





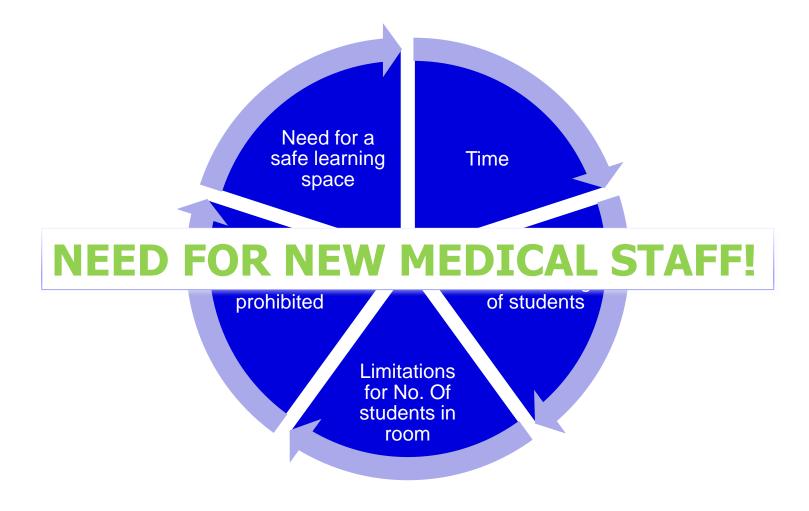


Obstacles for change during pandemic



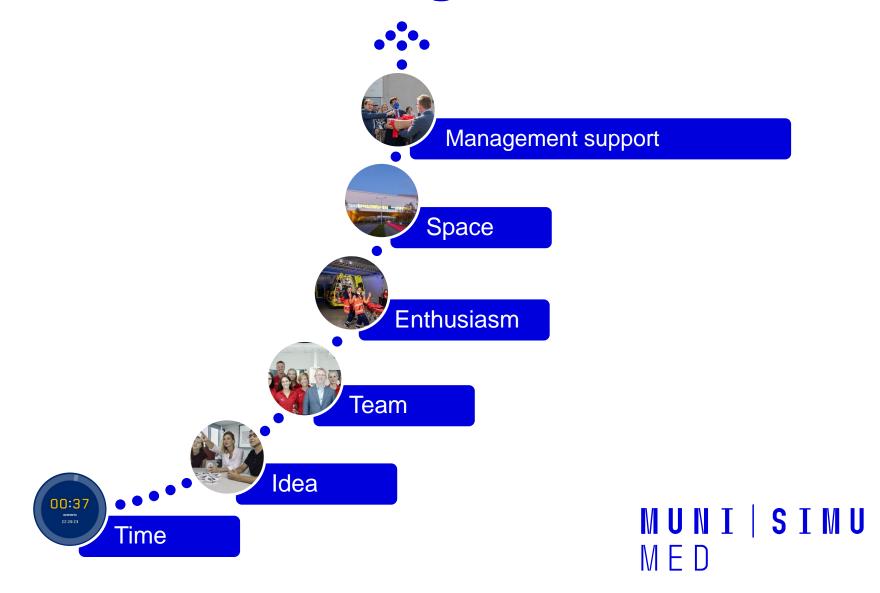


Obstacles for change during pandemic



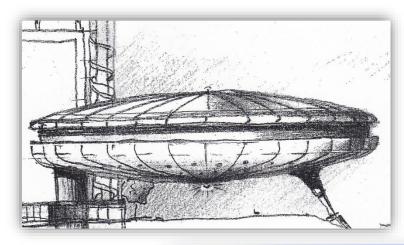


What did we need for a change?



History and Development of Simulation Centre

- The Faculty of Medicine simulation center project was launched in 2014
 - Multidisciplinary team
- From the beginning, significant
 cooperation with foreign partners
 - Simulation centers (Austria, Germany, Switzerland)
 - Virtual Patient (Great Britain, Greece, Poland, Sweden)
- Emphasis on:
 - Building
 - Facilities
 - Staff education and training





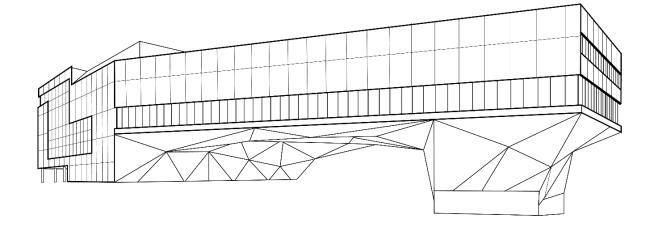




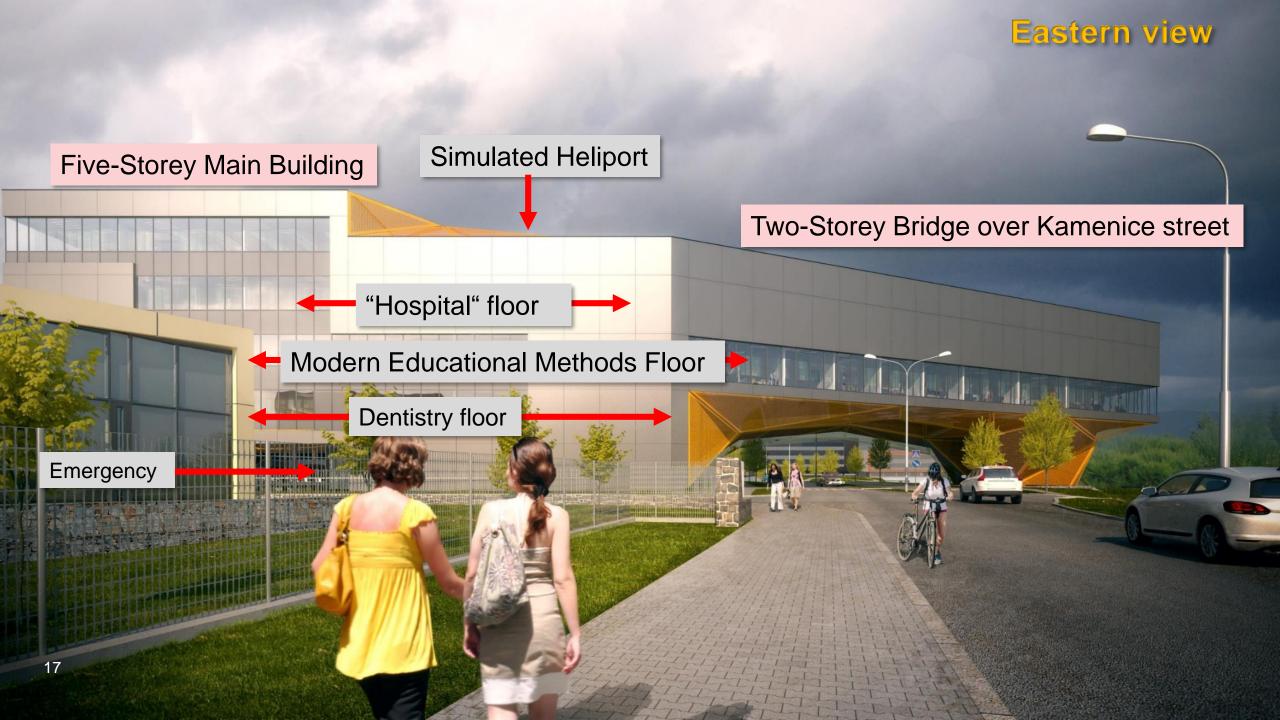
SIMU building

Simulation Center of Medical Faculty of Masaryk University

- 7 950 sq. meters usable area
- 3 215 sq. meters built-up area







New Spaces for Integrated Simulated Learning

1. "Hospital environment" for team interaction training

Operating Rooms, Intensive Care Unit / CCU, Emergency, Standard Department, Neonatal ICU, Labour Ward

2. Rooms for "debriefing"

Feedback to simulations, disassembly of key situations in video from previous simulation.

They require special HW and SW equipment and AV technology. Key to realizing simulation training teamwork.

3. Field-specific spaces with special simulation equipment

Dentistry, virtual surgery, virtual dissection, "Basic or Essential Skills".

4. Problem Based Learning rooms

Suitable for modern learning in small groups across the curriculum.

2014, 36: 555-556

5. Modern lecture halls for the "Flipped Classroom" concept

Teaching and learning of groups in "nests".

Spaces for learning – A neglected area in curriculum change and strategic educational

leadership

JONAS NORDQUIST1 & ANDREW LAING



OR

"Hospital environment" for team interaction training

ICU



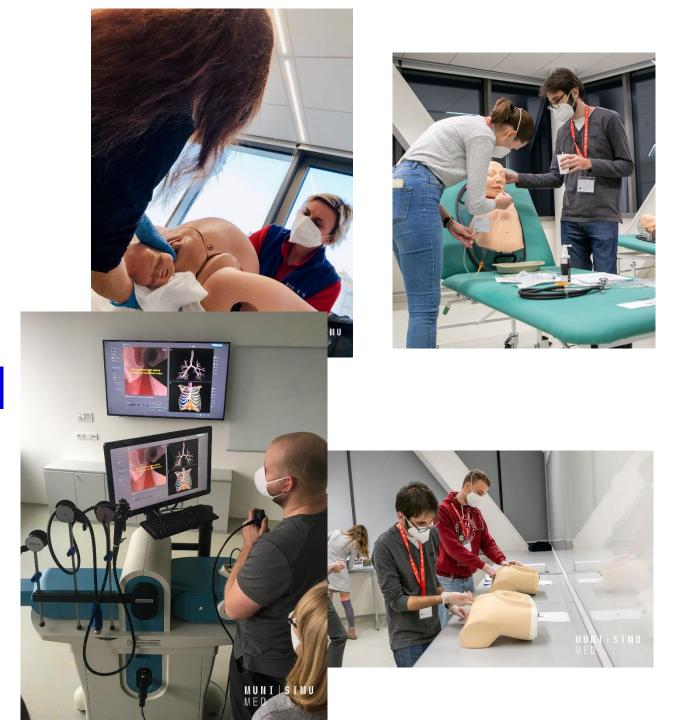


Emergency

Rooms for "debriefing"



Field-specific spaces with special simulation equipment



Problem Based Learning rooms



"Flipped Classroom" concept



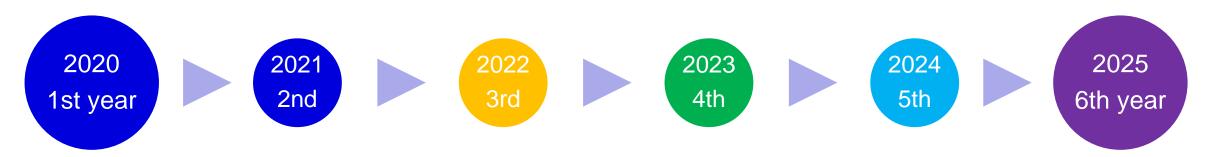


All rooms are adaptable



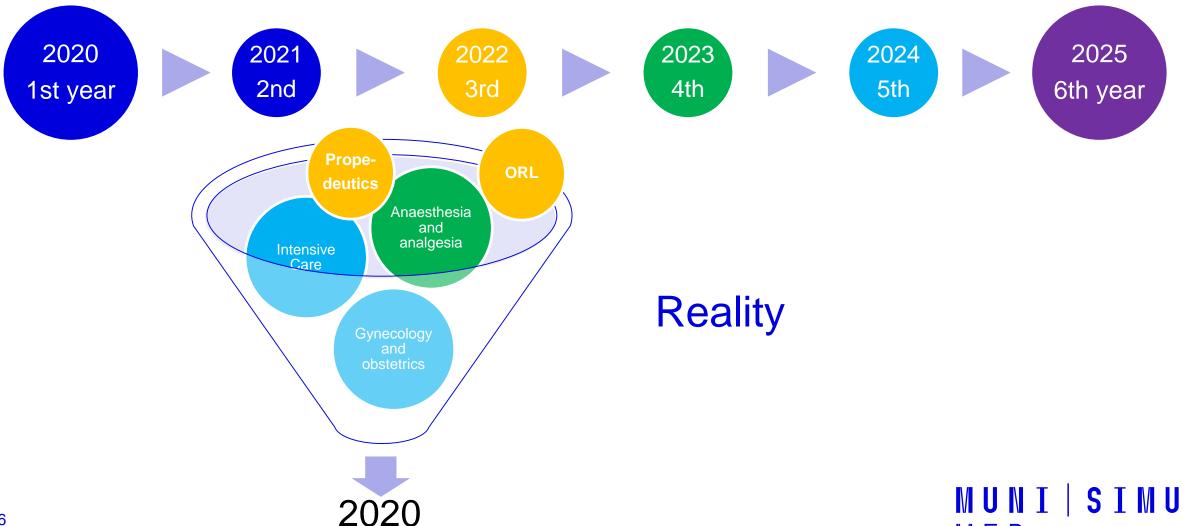


Curriculum Implementation - plan





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Exact sheduling

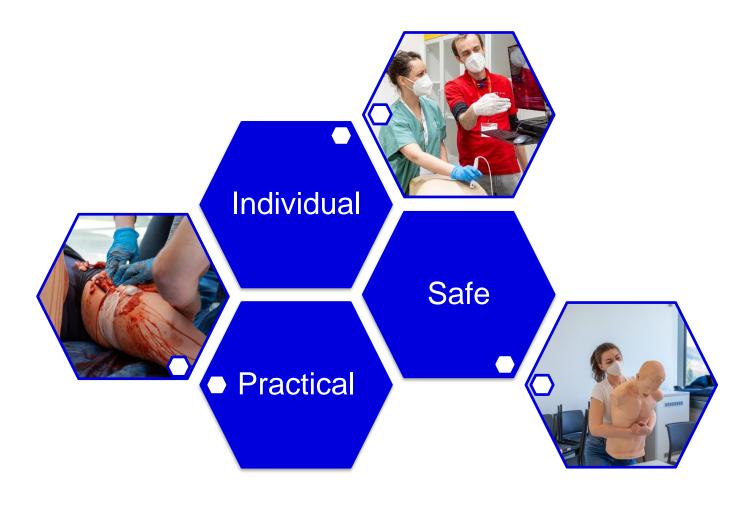
Enables safe and effective practical teaching

OS 1 m.411 + JIP 1 m.455		
čtvrtek 11.3.2021		
čas	kurz	místnost
9:00-9:30	Představení lektorů a účastníků	
9:30-11:00	Úvodní blok	
11:00-12:00	Dvořáček	OS 1 m.411
12:00-13:00	Oběd	
13:00-13:30	S01	OS 1 m.411
13:30-14:00	S01	OS 1 m.411
14:00-15:00	S03+WS	OS 1 m.411
15:00-15:30	508	JIP 1 m.455
15:30-16:00	508	JIP 1 m.455
16:00-16:30	504	OS 1 m.411
16:30-17:00	504	OS 1 m.411
17:00-17:30	S11	OS 1 m.411
17:30-18:00	S11	OS 1 m.411



Benefits of simulation techniques

Why the simulation medicine is ideal for teaching during pandemic?









XI. ROČNÍK SEKCE NELÉKAŘSKÝCH ZDRAVOTNICKÝCH PRACOVNÍKŮ XIII. KONFERENCE AKUTNĚ.CZ

20. 11. 2021

MASARYKOVA UNIVERZITA, BRNO UNIVERZITNÍ KAMPUS BOHUNICE



EUROPEAN UNION
European Structural and Investment Funds
OP Research,
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Thank you! Stay in touch

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