

Smart Diaspora 2023

10 - 13 Aprilie 2023,
Timișoara

www.diaspora-stiintifica.ro

Eveniment aflat sub înaltul patronaj
al Președintelui României



Realitatea virtuală utilizată în medicină

prof. dr. **Daniel Lighezan** , assist. univ. **Valentin Popa**

Universitatea de Medicină și Farmacie “Victor Babeș” din Timișoara

CELMED 2021

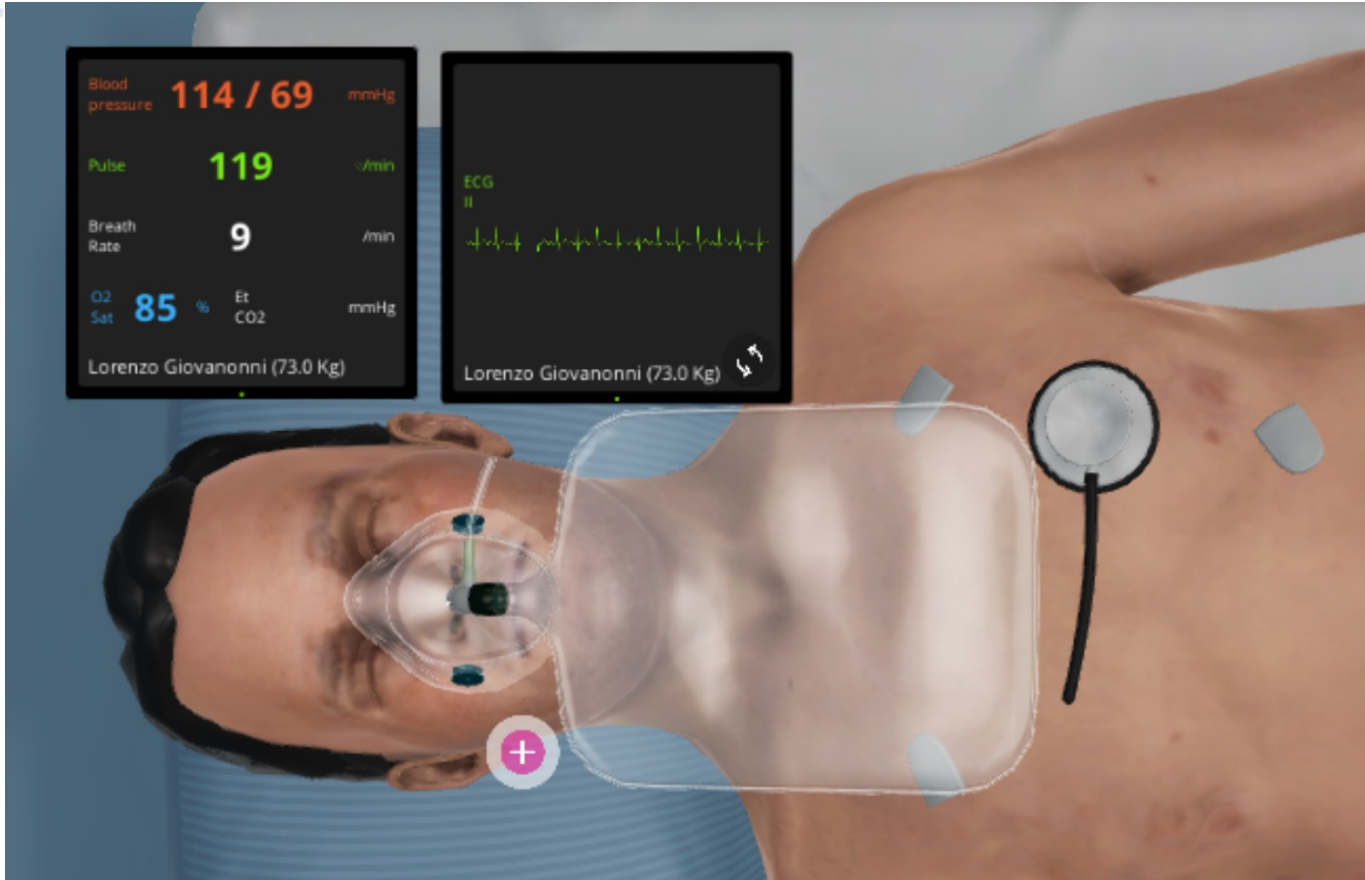
Screen based patient simulation

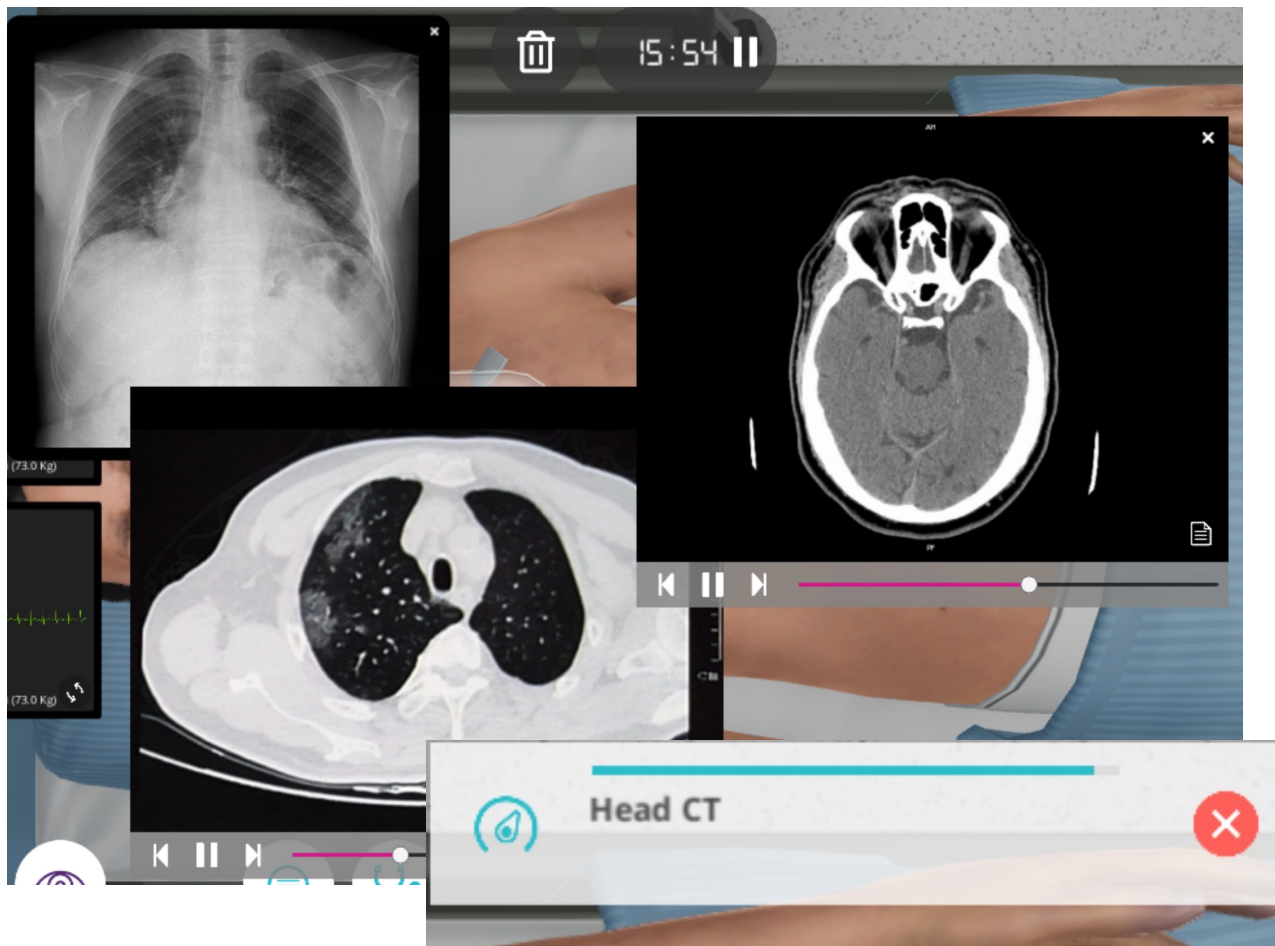
Students work alone on their devices

Teacher receives results and reports









MEDXR 2022

Virtual reality patient simulation

Teacher as facilitator

One facilitator needed for 2-3 students

Similar to working with a manikin



Educație medicală asistată de realitate virtuală MEDXR

Scopul proiectului

Dotarea unui laborator de simulare medicală asistată de realitate virtuală (VR) și achiziționarea unei platforme moderne de simulare

Obiectivele proiectului

O1. Introducerea educației asistate de realitate virtuală în universitatea noastră prin dotarea cu aparatura necesară a unui **laborator pilot de simulare medicală** cu ajutorul realității virtuale în care vom organiza minim 3 ateliere complexe de două zile în decurs de 6 luni cu studenți voluntari.

O2. **Familiarizarea cadrelor didactice ale universităților** noastre cu tehnicile și conceptele aferente educației medicale asistate de realitatea virtuală prin intermediul unui eveniment științific online de o zi în care vom invita pentru schimb de experiență cadre didactice din universitățile românești cu experiență pedagogică în realitate virtuală.

O3. Asigurarea sustenabilității investițiilor făcute prin **integrarea laboratorului în disciplina de Abilități practice** a universității și familiarizarea cadrelor didactice prin prezentări teoretice și practice de psihopedagogie și deontologie aplicate realității virtuale, atât în cadrul conferinței organizate cât și prin participarea la atelierele din proiect.

O4. Evaluarea impactului și diseminarea rezultatelor prin utilizarea chestionarelor de evaluare atât pentru studenți cât și pentru cadrele didactice la fiecare activitate pe parcursul proiectului. Acest obiectiv este relevant deoarece dorim să obținem date care să poată fi utilizate pentru continuarea proiectului. De asemenea datele obținute vor fi publicate pe sit-ul proiectului și comunicate în cadrul manifestărilor științifice.

Team simulation with Sim x



Start CPR

Stop CPR

Blanket

Intubation

Ventilator Tube

Cardiac Leads

Pulse Oximeter

BP Cuff

Gather History

Physical Exam

MONITOR

DIALOG

NAVIGATION

DESCRIPTION

RESULTS

Wesley Glover

I'm Wesley Glover, I was the medic for Clark's unit

Clark was in the middle of a firefight

He wasn't responding well and vomited shortly after e...

He's 28 and relatively healthy before this

I used ketamine for the intubation

From what we have on file, he doesn't really have signi...

On my exam he had a few cuts and scrapes, but nothi...

Yes

No

Ok

Thanks

I'm not sure

Sam Mayfield

I'm Sam Mayfield

I didn't see what happened, but I'm happy to help

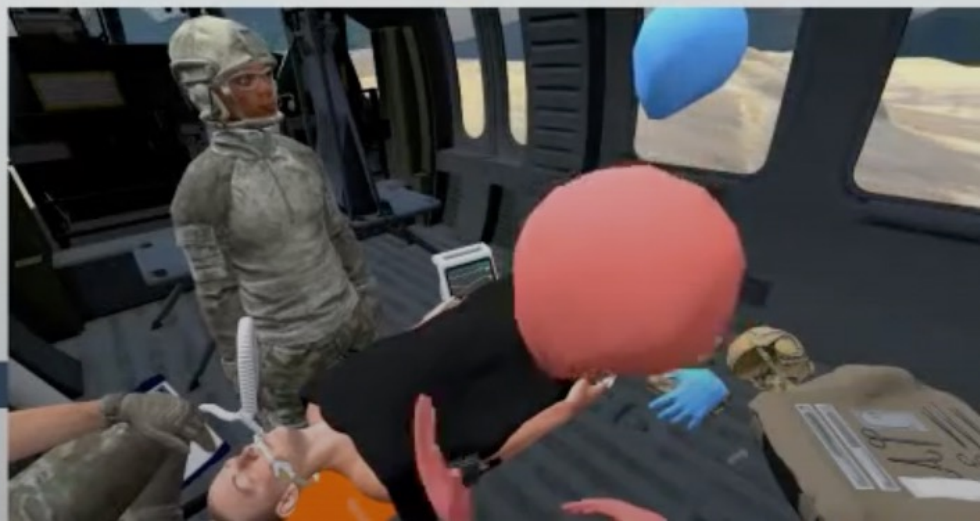
Yes

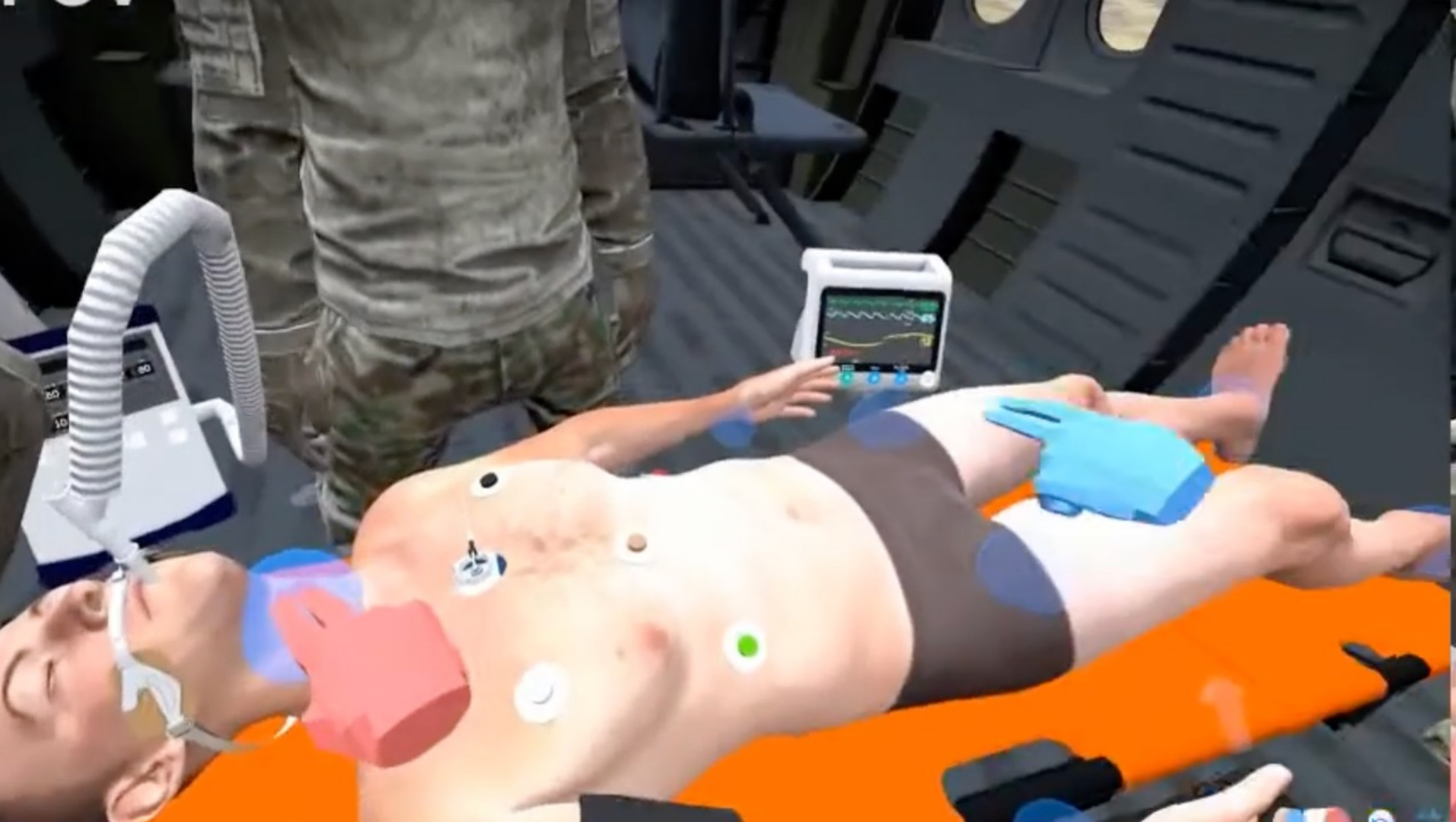
No

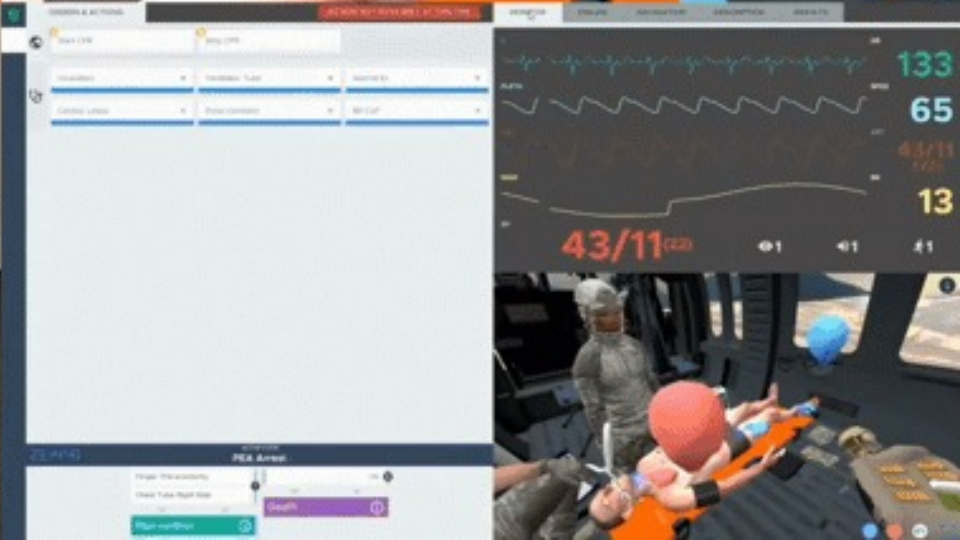
Ok

Thanks

I'm not sure

















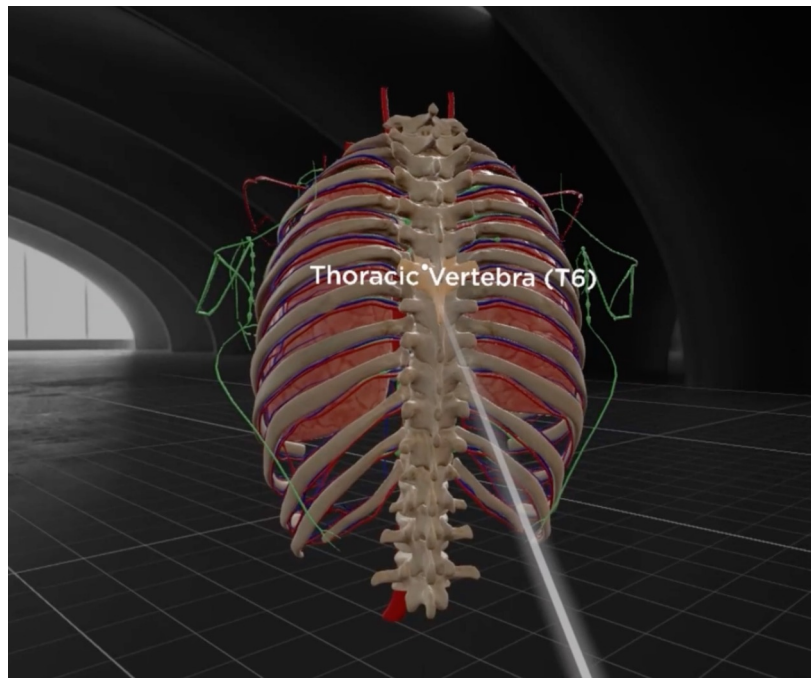
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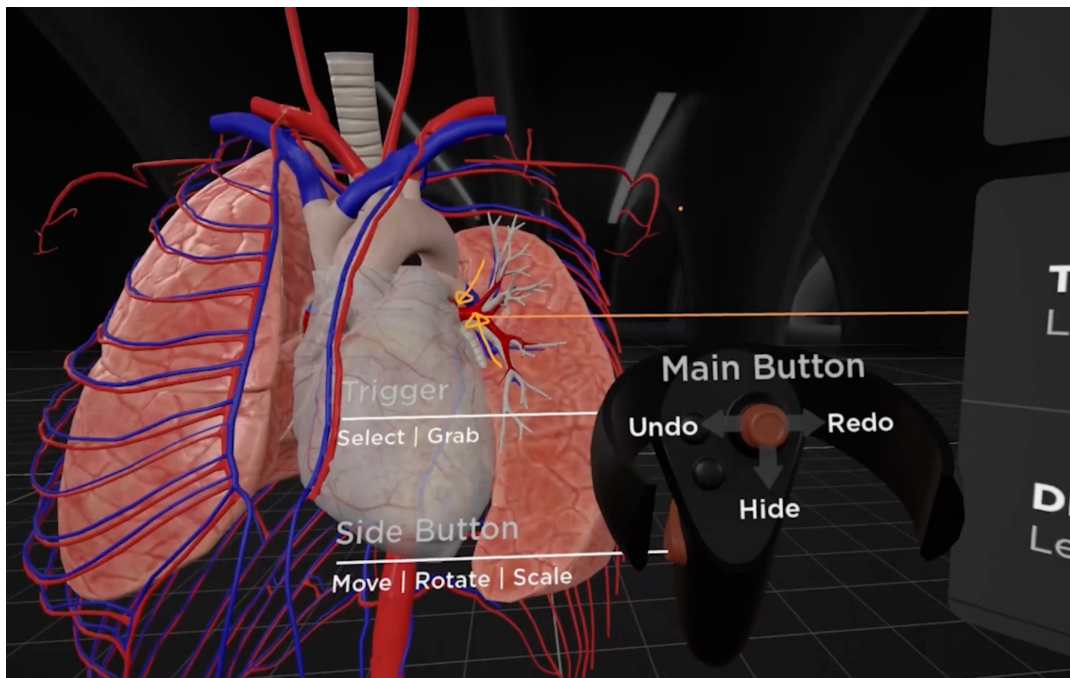


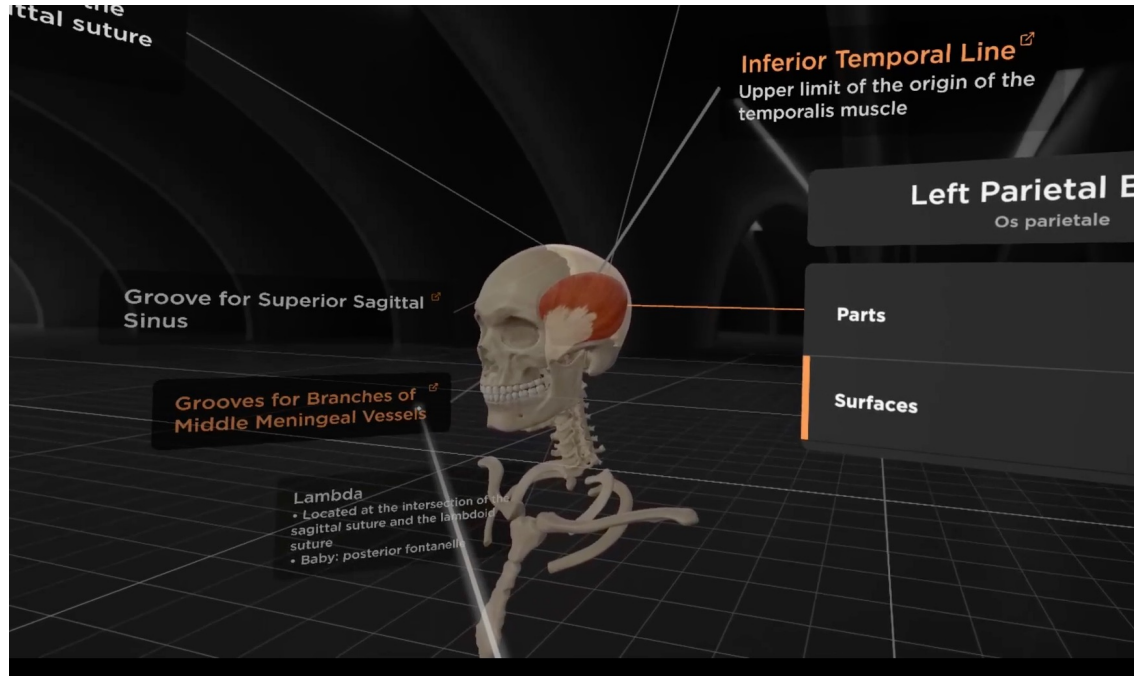
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BODYMAP VR







DIGI-HE

Supporting European universities in their strategic approaches to digital learning

The DIGI-HE project explores different ways higher education institutions can boost their strategic approaches to digitally enhanced learning and teaching and enhance their capacity.

The goal is to encourage and support a reflection on institutional strategy development and enhancement, through good practice sharing and peer learning among university leadership, and to contribute to community building. The coincidence of the Covid-19 crisis has made these activities even more pertinent and urgent.

The project provides:

- **comparative data on the state of play of digitally enhanced learning and teaching** at higher education institutions across Europe;
- **a review of self-assessment instruments** for improving the institutional digital ecosystem;
- the organisation of two cycles of thematic peer groups;
- **a workshop series on self-assessment instruments** and a self-paced training resource on the institutional self-assessment of digitally enhanced learning and teaching.

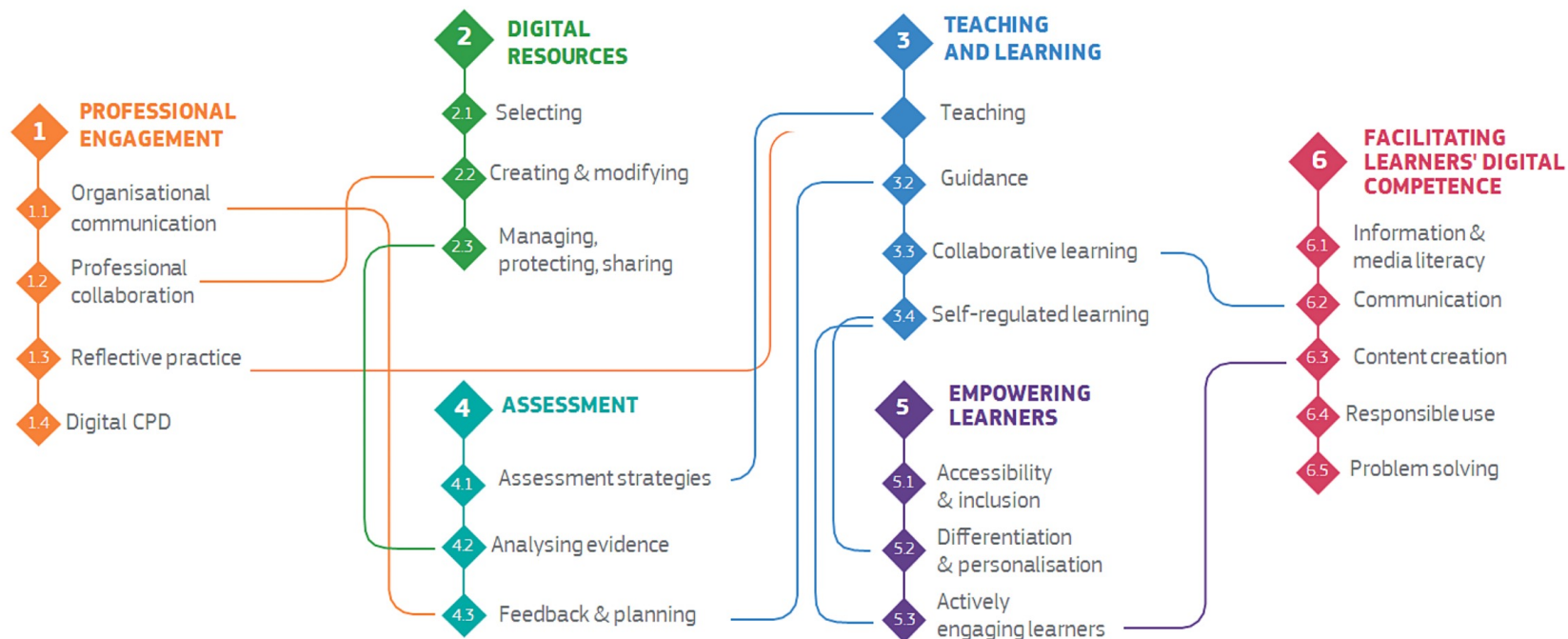
DIGI HE

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Educators' professional competences

Educators' pedagogic competences

Learners' competences

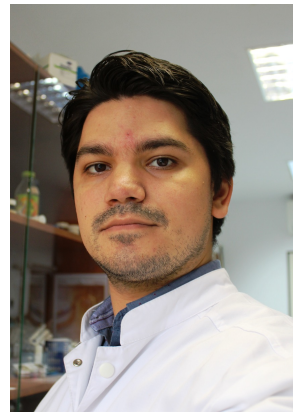
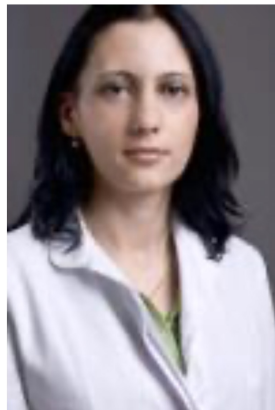


A large white boat hull is suspended in a factory-like setting, supported by a complex mechanical system of hydraulic arms and a base. The hull is tilted slightly. The word "Conclusions" is written in white on the dark, reflective surface of the hull. The floor is green with yellow and red safety lines. In the background, there are stairs, various equipment, and a large black cabinet.

Conclusions



MEET THE TEAM



<https://www.umft.ro/celmed/>

https://www.umft.ro/medxr_2022/

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