

orzone



Enhancing clinical capacity and capability

CESMA Lisbon 2015: stefan.hallin@orzone.com

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ORzone
Creating clinical capacity and capability

ORF
European Medical Society
Members and Event services

- Invitations
- Registration
- Payment
- Group mail
- Curriculum
- Users & Roles
- Revision control
- Library of Forms
- CME calculations
- Lectures/logistics
- Examination Parts
- Attachment control
- Multiple Logbooks
- Attendance control
- Large Video handling
- Formative assessments
- Structured content control
- Skills curriculum connection
- Translators
- Resident tracking
- Generic CV
- Device checkup
- Scheduling
- Advanced search tool
- Language options
- Analysis tools & filters
- Question lists
- Time zones
- Language
- Random progress
- Multiple question types
- Support protocol
- Teacher interactions
- Reports
- Statistics
- Assessor role
- Tagging
- Analysis
- E-learning

PORTFOLIO

EXAMINATION

COURSE

ORTRAC™ is the only online tool validated by the UEMS and a number of medical societies. It is the preferred choice of several leading European Medical Societies and Boards.

A validated approach to examination management



OLA 2015



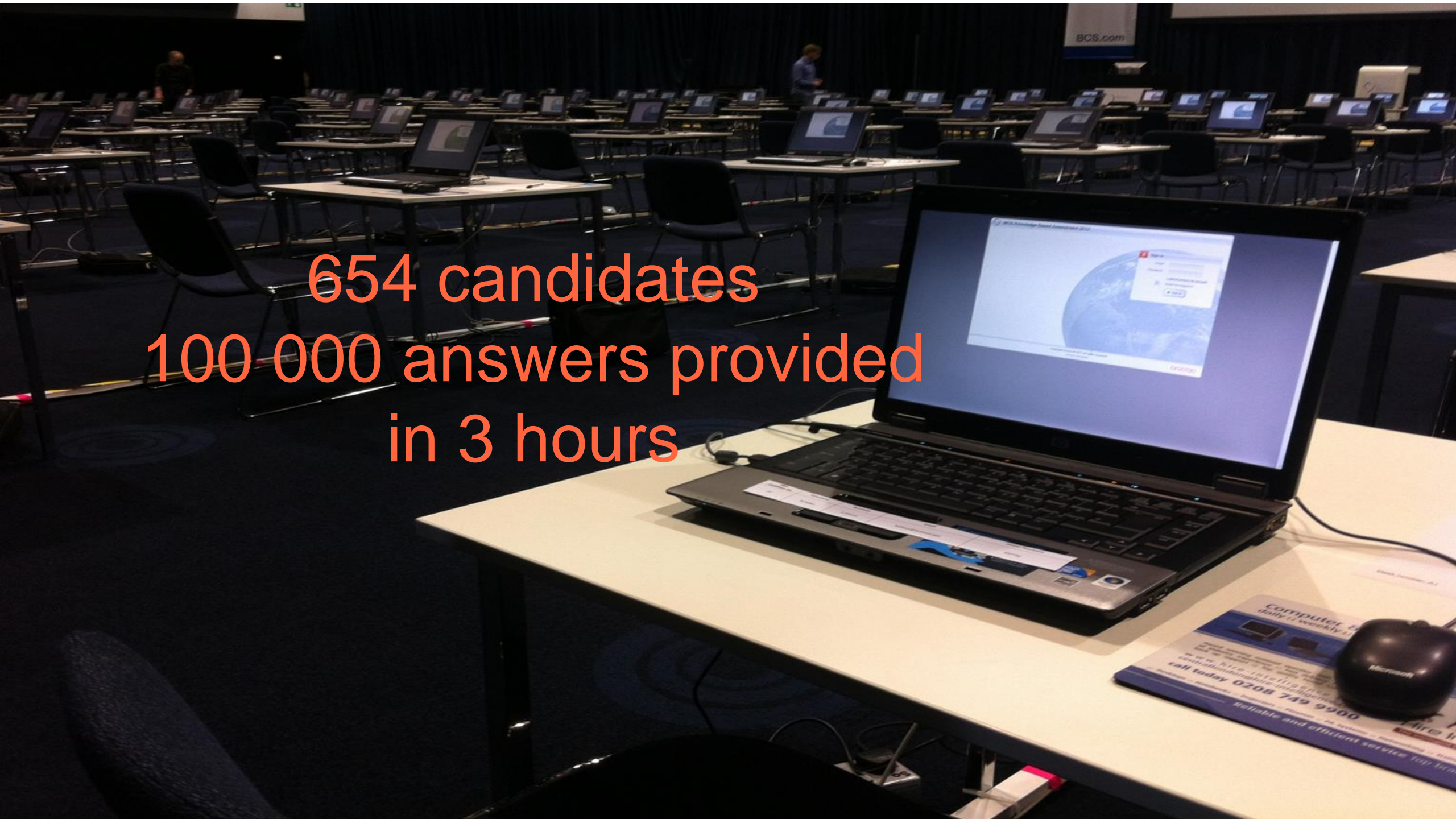
60 locations
Spanning 7 time zones



9 languages



654 candidates
100 000 answers provided
in 3 hours



Agenda

History of Orzone-UEMS collaboration and validation

Observations from 7 years collaboration with UEMS and societies / boards, with focus on examinations

Status and future

Orzone team

Medical training & assessment since 1994

800 global medical training and assessment installations

Technology featured in 200 peer reviewed studies

40 patents

The only UEMS validated tool

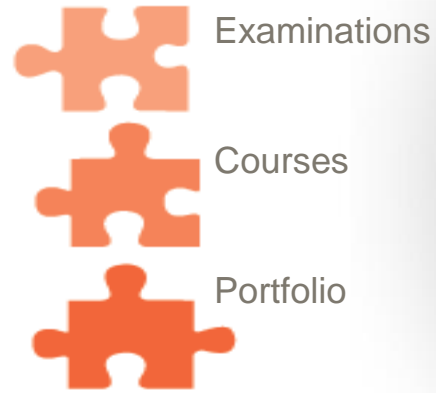


Orzone Solutions

ORCAMP Team Training solutions
– practice makes perfect!



ORTRAC Assesment solutions
– By Societies for Societies



History of partnership with UEMS* and Orzone

*and of course associated Societies and Boards

Partnership time line

2007-2009 Design and development

2009-2011 Validation and pilot projects

2011- In daily use by 10+ UEMS sections and societies/boards

Validating the Methodology of Online Examination of Medical Specialists
A Technical Review of the Pilot Exam

Member countries
Austria
Belgium
Bulgaria
Cyprus
Czech Republic
Denmark
Estonia
Finland
France
Germany
Greece
Hungary
Iceland
Ireland
Italy
Latvia
Lithuania
Luxembourg
Malta
Netherlands
Norway
Poland
Portugal
Romania
Slovakia
Slovenia
Spain
Sweden
Switzerland
United Kingdom

Associate Members
Armenia
Croatia
Israel
Turkey

Observers
Azerbaijan
Georgia



ORTRAC™ - e-learning & assessments By Societies For Societies

The idea of creating a UEMS validated tool to support competency management* originated from the needs identified by the UEMS, European Medical Societies and Orzone in 2007.

This has resulted in ORTRAC™ becoming the preferred online tool for European Medical Societies and Boards.



**examinations, courses and portfolios*

Members Area | Contact | English

U.E.M.S. UNION EUROPÉENNE DES MÉDECINS SPÉCIALISTES EUROPEAN UNION OF MEDICAL SPECIALISTS

About us | Areas of Expertise | UEMS Activities | News & Events | Media & Library | Blog

UEMS » UEMS Activities » Accreditation » ECAMSQ®

UEMS Activities

European Affairs

Harmonization of Medical Training

Accreditation

EACCME®

ECAMSQ®

The European Council for Accreditation of Medical Specialist Qualifications

Since its creation in 1958, the UEMS ambition is to promote patient safety and quality of care through the development of the highest standards of medical training and health care across Europe. The UEMS is addressing these issues through the harmonisation of medical specialists' qualifications.

In line with its Strategy adopted in 2008, the UEMS established the European Council for Accreditation of Medical Specialist Qualifications (ECAMSQ®) with a view to assess the competence of European medical specialists according to these high standards of medical training. When fully implemented, this competence-based approach aims to achieve a common background for the assessment and certification of medical specialists' competence all over Europe, based on the core curricula developed by the Specialist Sections of the UEMS. In a context of increased cross-border healthcare, the development of such a model will guarantee the delivery of safe and high quality health care for all European citizens.

While doing so, the ECAMSQ® is not intended to supersede the sovereignty of national competent authorities nor create a new layer of bureaucracy but rather to mobilise the existing initiatives and forces in the field of postgraduate training. Its founding philosophy is to ensure the highest standards of competence, based on the core curricula developed by the Specialist Sections of the UEMS, and to assess this competence through a common framework of assessment of medical competence, based on the core curricula developed by the Specialist Sections of the UEMS. The assessment is based on the core curricula developed by the Specialist Sections of the UEMS, and is carried out through a common framework of assessment of medical competence, based on the core curricula developed by the Specialist Sections of the UEMS. The assessment is based on the core curricula developed by the Specialist Sections of the UEMS, and is carried out through a common framework of assessment of medical competence, based on the core curricula developed by the Specialist Sections of the UEMS.

For this purpose, the UEMS instigated in 2011 pilot tests of knowledge assessment in several specialties i.e. Anaesthesiology, Intensive Care, Radiology and Cardiology. These tests were supported by an e-platform developed by Orzone with which we partnered. Thanks to this partnership, real-life tests have been successfully organised and paved the way to future developments of competence-based assessments.

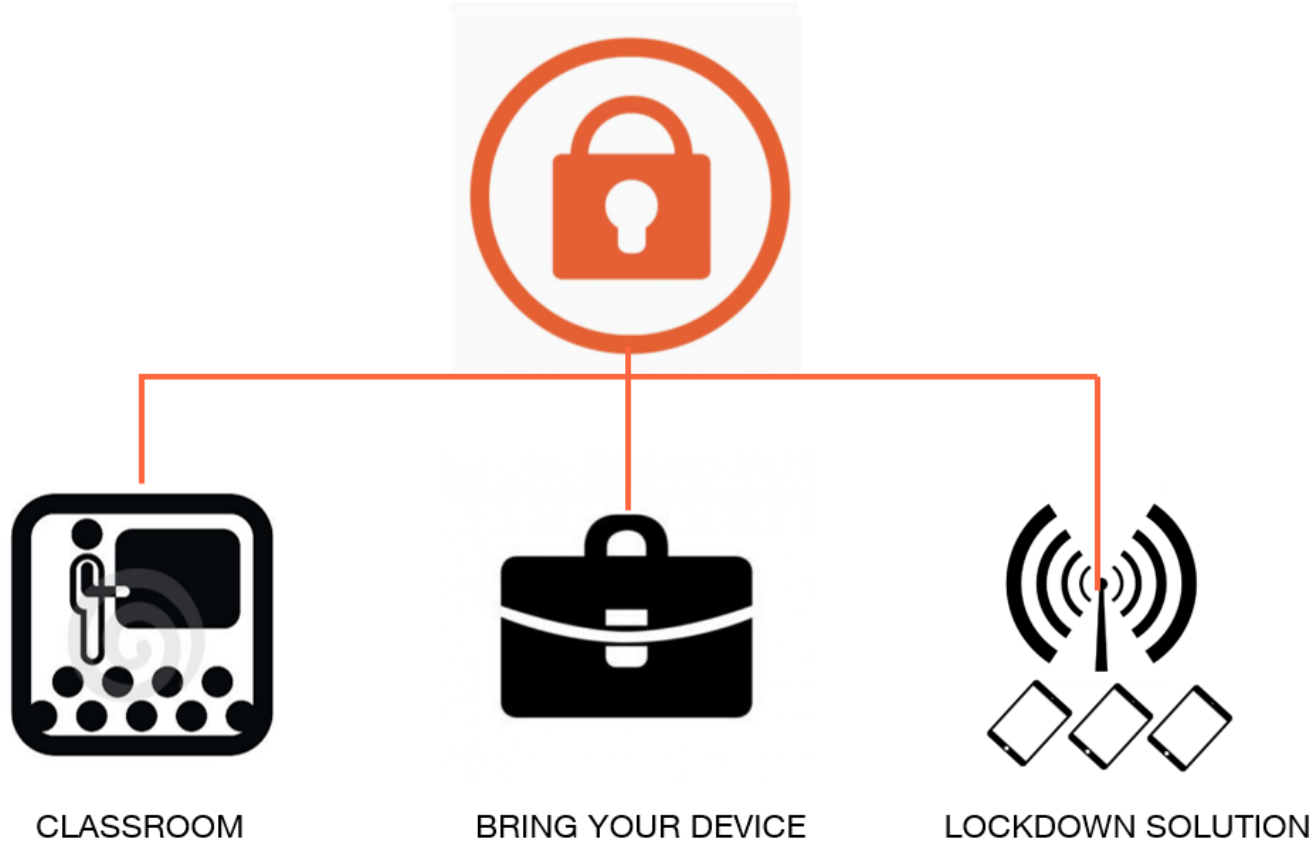
The UEMS aims to develop a common framework of assessment of medical competence at the European level based on UEMS Standards. In doing so, the UEMS does not want to duplicate or supersede current training models but rather federate and develop existing and/or new initiatives.

The UEMS is currently working on the development of a flexible, useful and high quality e-portfolio supporting the assessment of medical competence.

Background information on ECAMSQ:

Lessons learned MCQ examinations

Orzone support however you want to deliver MCQ exams



Or paper

Some observations and facts for the exams delivered

Number of countries: 42

Number of languages 12

Number of UEMS sections/societies/boards: 10+

Number of frauds detected (careful monitoring of statistics and suspect behaviour): 0

How often do computer/internet problems happen that cause a delay: 0,6% (1 in 150), average delay 6 minutes when it happens. Means 99,4% do not have any problems.

Ratio digital exams: 80% based on number of exams: 30% based on number of candidates. Was 0% 3 years ago. Expected to be 90% and 50% respectively during 2016.

Number of candidates that have not been able to complete exam due to software error: 0.

Examples from the last 48 hours

“There is an error in a form to our candidates. Can you help us change it before 8 AM tomorrow morning. Sent at 21:00“

”I really need you help with this. Can you help me. Sent at 22:00 ”

Solution: Fix the problem, even if its outside office hours.

Benefit: Doctors work long days. Education often a pro bono activity. Work with exams often happens during evenings and weekends.

Lesson learned: The exam provider must be able to accommodate requests outside business hours. Size matters.

"The group were pleased with the online support and were impressed with the (country) problem, Orzone solved the problem before they asked the question."

Solution: Orzone always have a team of 5-15 staff monitoring every exam.

Benefit: Even if the user makes a handling error (e.g. wrong password), Orzone can solve the problems within seconds or minutes, and sometimes even before the users notices it. If Orzone would not have had sufficient support for the test when a whole countries would have failed. Note: Orzone had not caused the error.

Lesson learned: Once you start doing larger exams – size matters. Require your suppliers to have at least 5-15 people on help line. Humans will make mistakes. Professionalism is how you deal with them.

“According to the evaluation form (attached) which was directly connected to the test, all who chose to fill out the form ... all were very pleased with the software, easy to use”

Thank you.

Nice with 100% stressed but happy residents. We were afraid that they due to stress all would say that they hate the software.

Example of very important future activity to grow nr of attendees

Translator MCQ workshop

ESA Translator Workshop hosted by Orzone tools and staff 40 administrators at the event.

More will attend in 2015



Ask us for many more examples. And we will help you to get in contact so that you can discuss directly with other sections and societies.

Share and learn from real world examples.

Status and future

There are some really good UEMS/CESMA publications



**THE FUTURE OF THE EUROPEAN
MEDICAL ASSESSMENTS**
BRUSSELS, 13 DECEMBER 2014
PROFESSOR VASSILIOS PAPALOIS
PRESIDENT, UEMS SECTION OF SURGERY
VICE PRESIDENT

More exams types needed

LET US SET THE SCENE FOR THE FUTURE

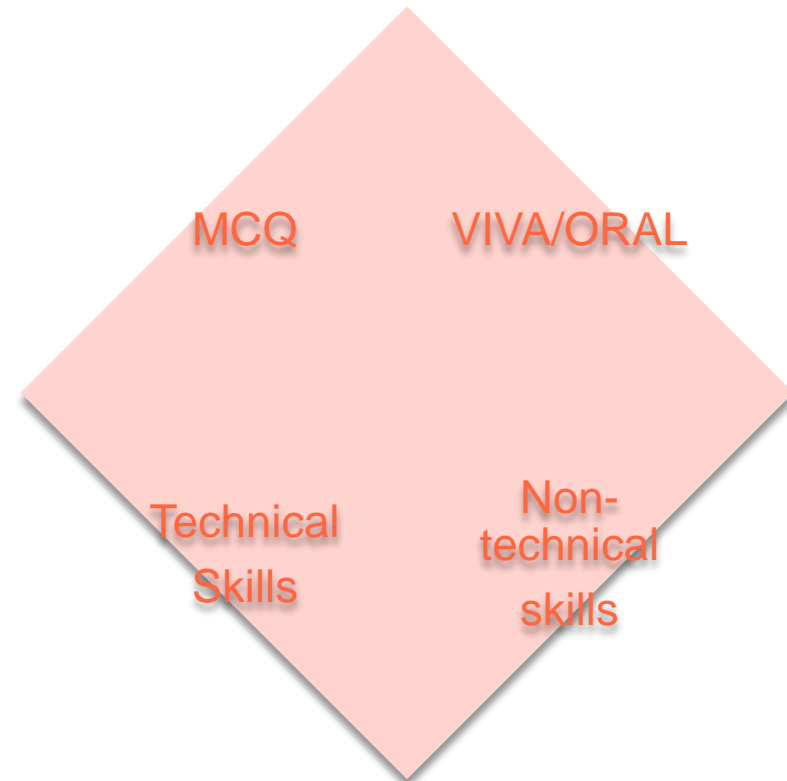
THROUGH MEDICAL ASSESSMENTS WE TRY TO ENSURE THAT
A MEDICAL SPECIALIST IS:

Knowledgeable

Clinically safe, competent and effective

Has well developed/ top class non-clinical skills

Academically productive (research-education)



Tracking over time. Can be an eligibility item to an exam or an exam item on its own

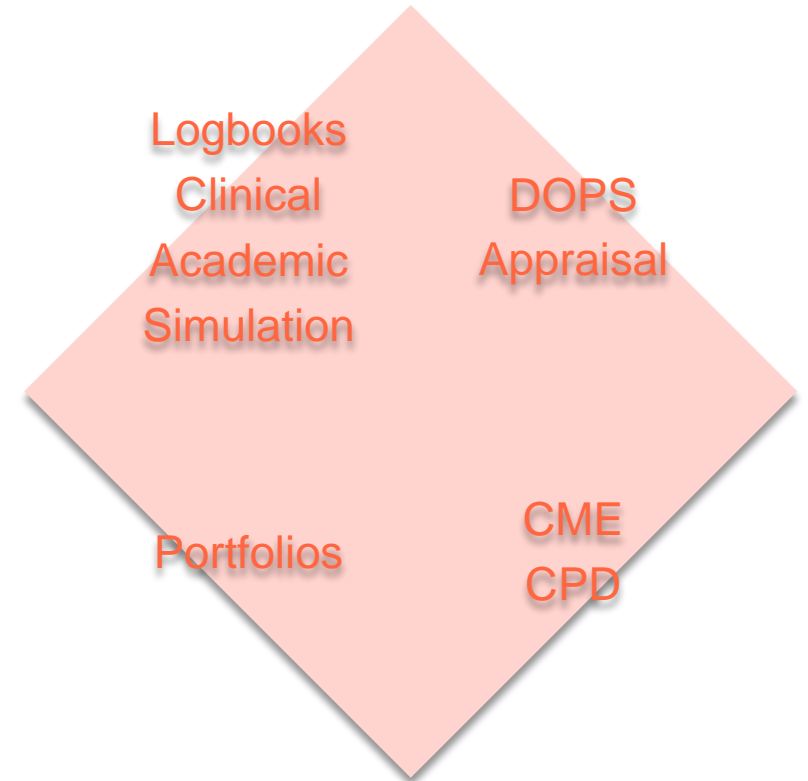
FUTURE OF ASSESSMENTS

TRAINING AND BECOMING COMPETENT IS A PROCESS

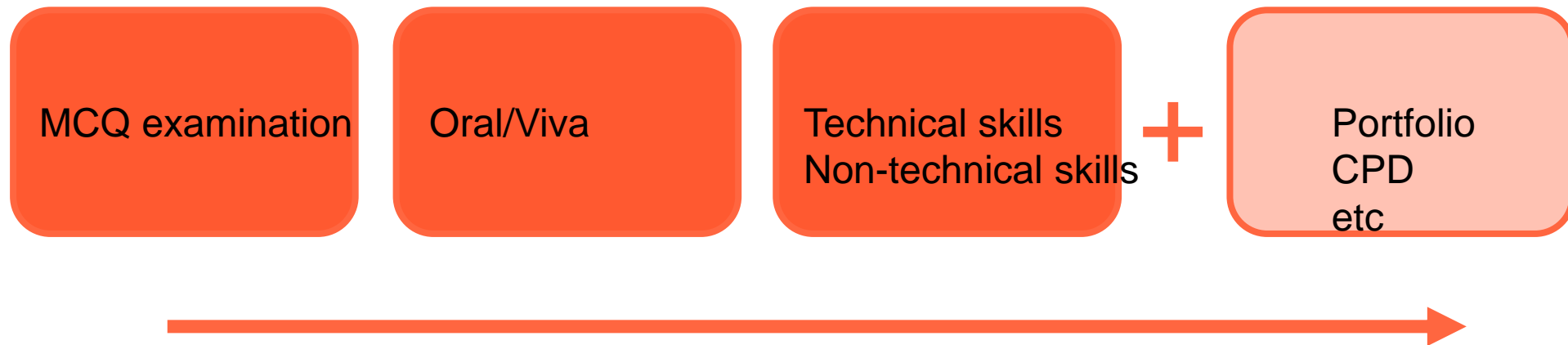
Assessments:

- Over time
- Real time

...come and see me operating...
...follow my ward round...



Why the initial UEMS language said E-platform! (and not Exam tools)



Portfolios

Demo Customer
Omnipotent
David Hedlund

Sandbox course
Orzone
Anesthesia
EBA

Overview
Curriculum
Logbook
News
Analysis

Analysis

Resident Evaluation

Entire assessment

Clinical skills
733% Average, 660% My performance

Technical skills
587% Average, 513% My performance

Weiterbildung
440% Average, 367% My performance

Entsch.
283% Average, 220% My performance

Situatives Verhalten
147% Average, 72% My performance

Teamwork
72% Average, 72% My performance

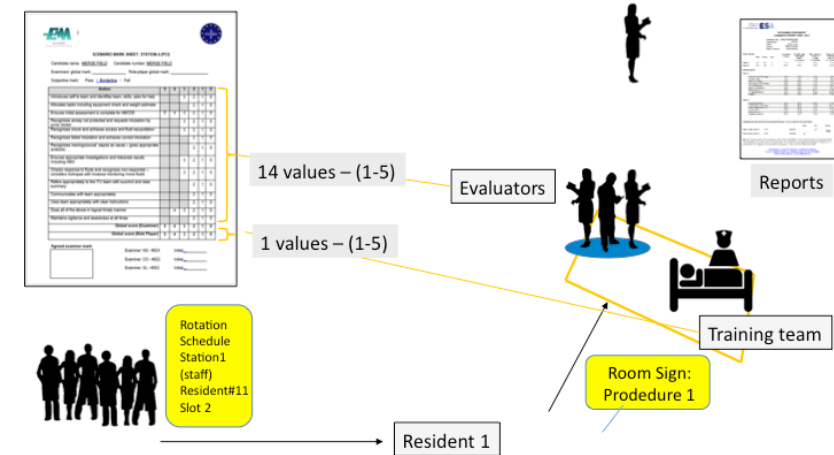
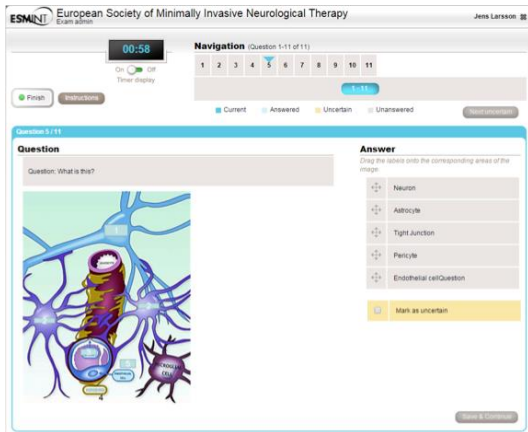
Technical Skills Aufgaben-Management
72% Average, 72% My performance

	A	B	C	D
General Core Competencies, Learning objectives				
Domain 1.1: Disease Management, Patient Assessment a...				
Identifies, optimizes, and treat...	0	0	0	1
Assesses preoperative risks	1	0	1	0
Uses and interprets preoperative...	1	1	3	0
Assesses airway for potential di...	2	0	2	0
Knows and applies recognized pri...	0	1	5	0
Elaborates an individualized pre...	3	0	1	0
Provides appropriate information...	0	1	0	0
Domain 1.2: Intraoperative patient care and Anaesthe...				
Provides safe induction, mainten...	2	2	4	0
Provides safe regional anaesthes...	3	1	3	0
Masters knowledge of pharmacolog...	1	4	3	0
Knows and uses appropriately and...	0	0	0	0
Chooses and uses appropriate mon...	4	2	2	0
Provides adequate record keeping...	1	1	2	0
Maintains perioperative homeosta...	1	1	2	0
Recognizes diagnoses and manages...	2	1	2	0
Domain 1.3: Postoperative patient care and Acute pai...				
Provides appropriate extubation ...	0	0	1	0
Is able to appropriately monitor ...	0	0	0	0
Assesses and adequately treats p...	0	0	1	0
Recognizes diagnoses and manages ...	0	0	0	0
Uses correct discharge criteria ...	0	1	0	0

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ORTRAC

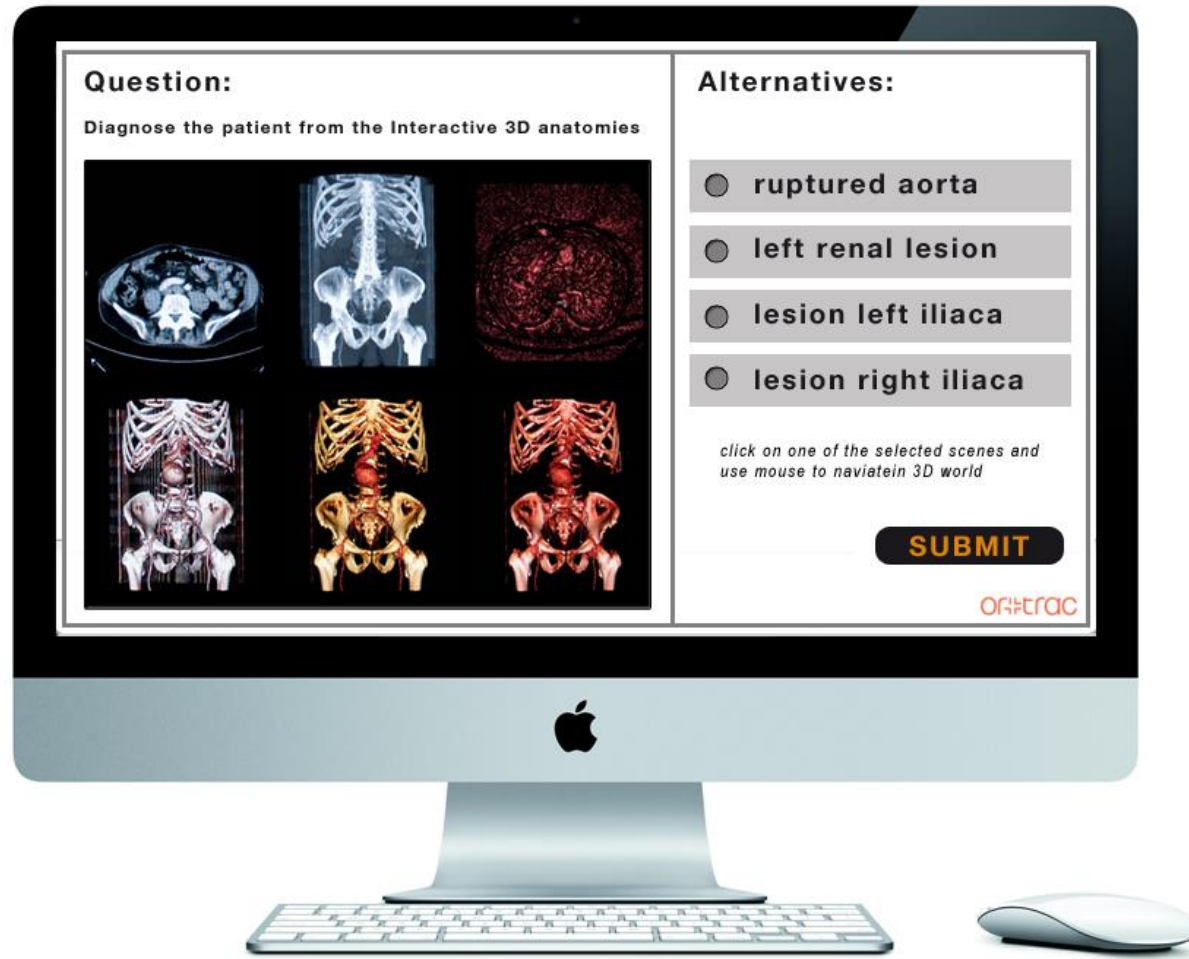
All assessment modes in one tool... plus more.



Research Orzone are doing for future MCQ, Viva and skills exams



New MCQs with 3D DICOM and patient specific case discussion



How do we assess this candidate?



Imperial College
London

OR:camp
OR:ZONE



HRH Prince Charles visited Imperial College/St Mary's and was demonstrated the Orcamp experience..

"...By simulating real equipment in combination with life-like medical scenarios, the goal is to rehearse realistic operation behaviour, both for the team and the individual operator..." (Inside Imperial's Surgical Innovation Centre, Feb 2015).

The Orzone founders have been working with Imperial College to pioneer medical training and assesment since 1997.

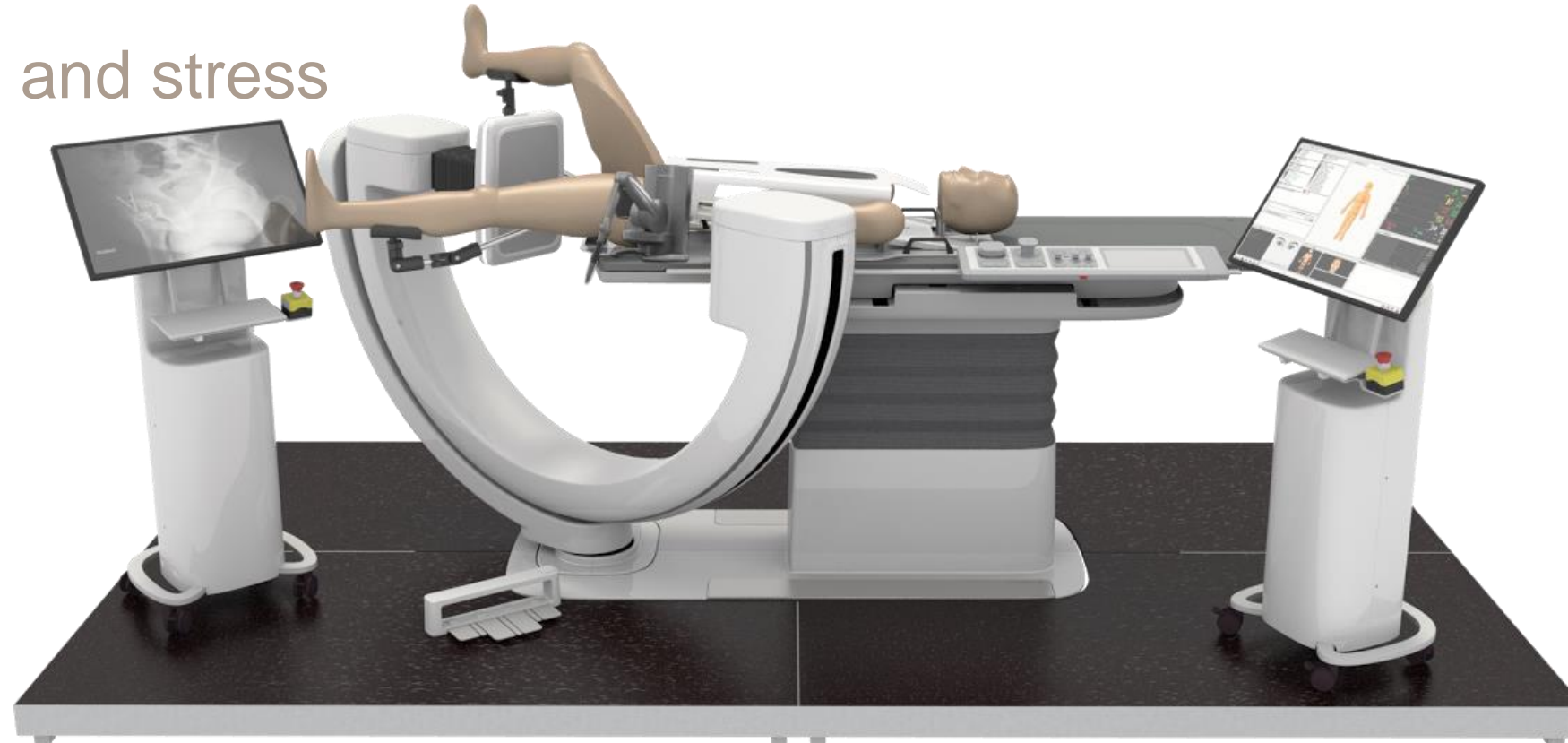
Complete team training assessment for orthopedics

Track team members in real time

Measure heart beats and stress
in real time

Communication

Leadership



Same, but for endovascular assessment



Orzone high-end assesment suite for team performance



Think EBM when choosing exam tools

Use Evidence Based Medicine when choosing exam tools.

Have the exam tools been tested

- for a long time and many times
- By multiple medical specialties
- In different technology settings
- In different languages
- What happens when difficult things happens.
- Service level. Response time. Seconds or days.
- Can you add new modalities of assessment (oral/case, skills, portfolios, DOPS etc)

Orzone is proud to have done extensive validation

Our advice

Medical Education is different - select a tool designed for **complex medical organisations**

Consider the workflow and needs of **YOUR** organisation – select a partner who understands that workflow and those needs

Localisation, **customization** and **legislation** – select a flexible solution

Think beyond MCQ's - select a tool that supports **ALL** types of assessments

Look ahead and consider future needs – select **ONE** tool for **Assessments, Portfolios, Log-books, eLearning** and **Course Management**

Talk to your colleagues at CESMA and exchange knowledge.

Thank you hosting a fantastic meeting

Contact us and we will put you in contact with CESMA/UEMS sections and societies/boards with similar challenges. Share and learn from each other.

We will in partnership develop a plan
Leading up to your successful exams

Risk free

info@orzone.com