EDEMTET - Use of an online platform for collaborative dental education

EDEMTET

多学科团队合作学习和
循证医学为基础制定治
疗计划的牙科教育数字
校园项目

eCampus for Dental Education
supporting multidisciplinary
team-based learning and
evidence-based treatment planning

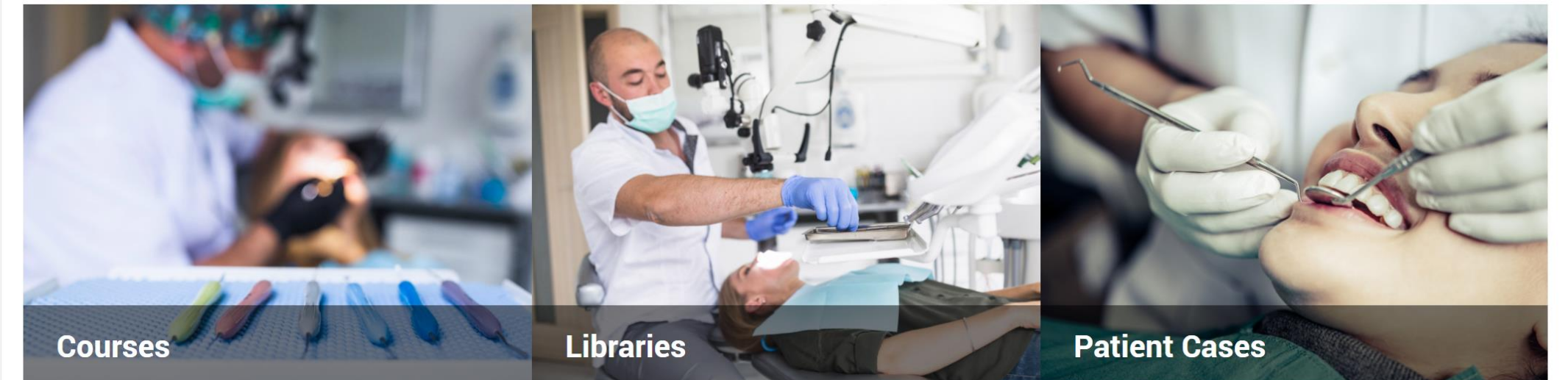Co-funded by the
Erasmus+ Programme
of the European Union

EDEMTET is…

E Campus for **D**ental **E**ducation supporting **M**ultidisciplinary **T**eam-based learning and **E**vidence-based **T**reatment planning

What?

- A collection of online **courses and materials** (semi-open) aimed at personalized oral healthcare

- A Moodle platform for dental education supporting team-based and case-based learning, **clinical reasoning** and **evidence-based treatment planning**

EDEMTET Dentalschool   https://dentalschool.edemtet.eu

Home   Settings   Participants   Reports   Question bank   More ⌄

Courses   Libraries   Patient Cases

Search courses   Go   ?

Our team & stakeholders

- **5 partner universities NJU, WHU, GXMU, QUB, RU**

  ➢ Leaders (decisions, management), teachers and students (development), admin

- Support

  ➢ Moodle company *OpenEdu* (develop and manage Moodle platform)

  ➢ Educational designer *Elevate Health* (help develop educational strategy, formats)

- Co-funding:

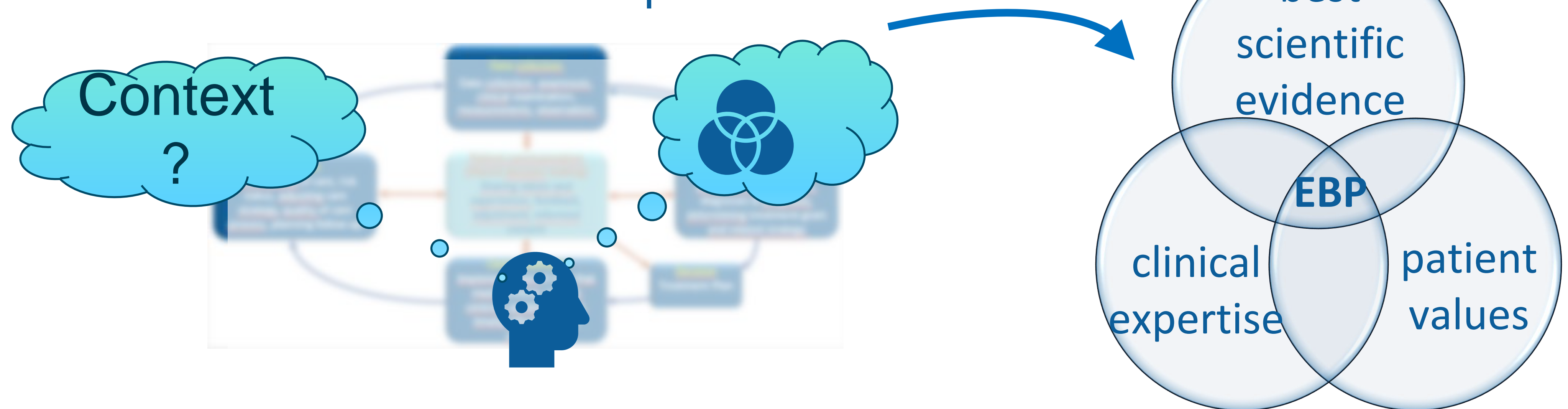 ➢ EU Agency *EACEA* The European Education and Culture Executive Agency

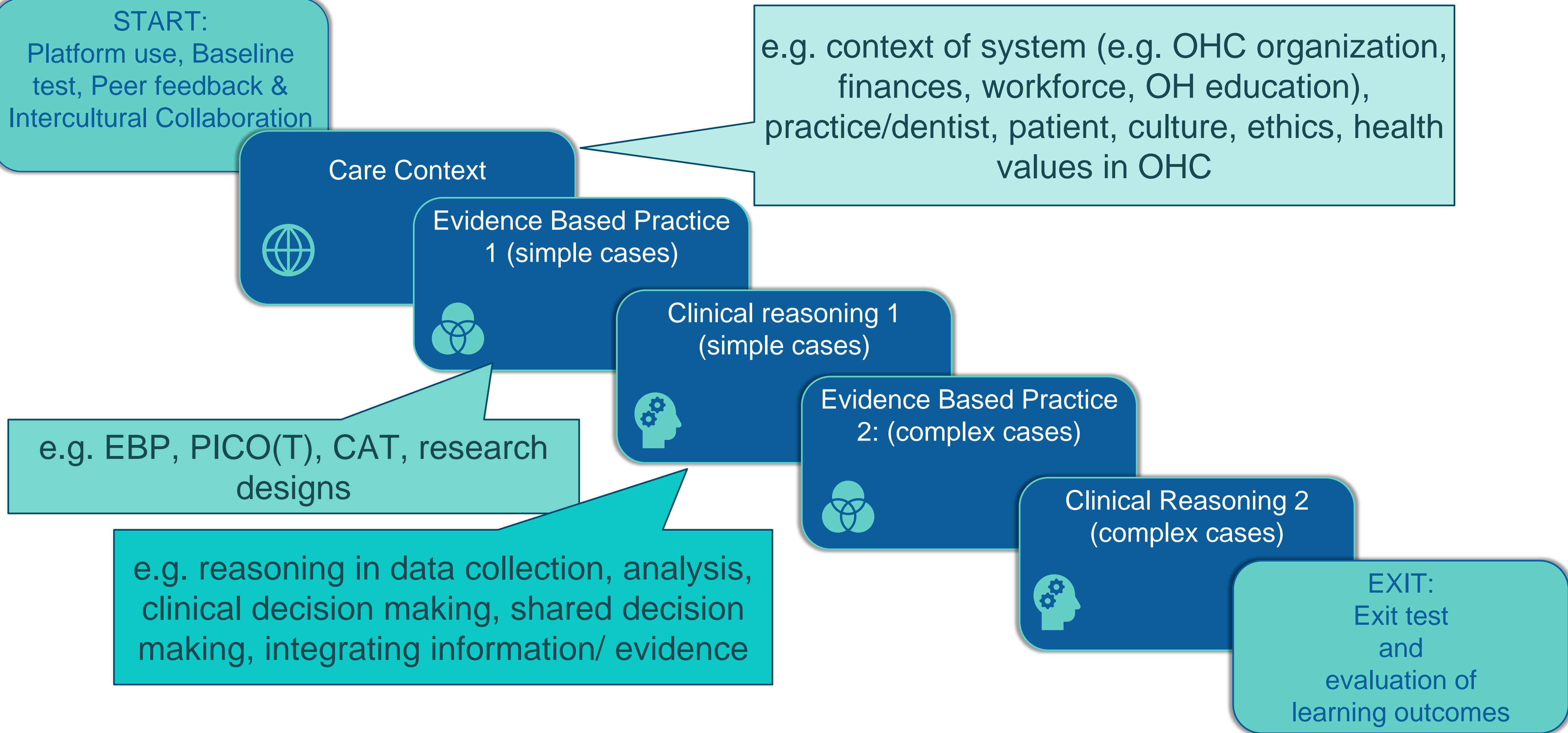**Personalized healthcare** → clinical reasoning → connecting and integrating perspectives

in EDEMTET:
- Compact format, digital
- Learning based on (large variety of) patient cases → case-based
- Activating teaching methods → team-based

EDEMTET

- Understanding of **care context** is required to clarify relevant contextual; factors, including patient values, wishes and possibilities

- **Evidence Based Practice** skills are needed for finding, assessing and applying evidence

- **Clinical reasoning** is needed to move through and understand the care delivery cycle; in finding and applying evidence; and in identifying any expertise needed and contextual factors relevant to the care plan
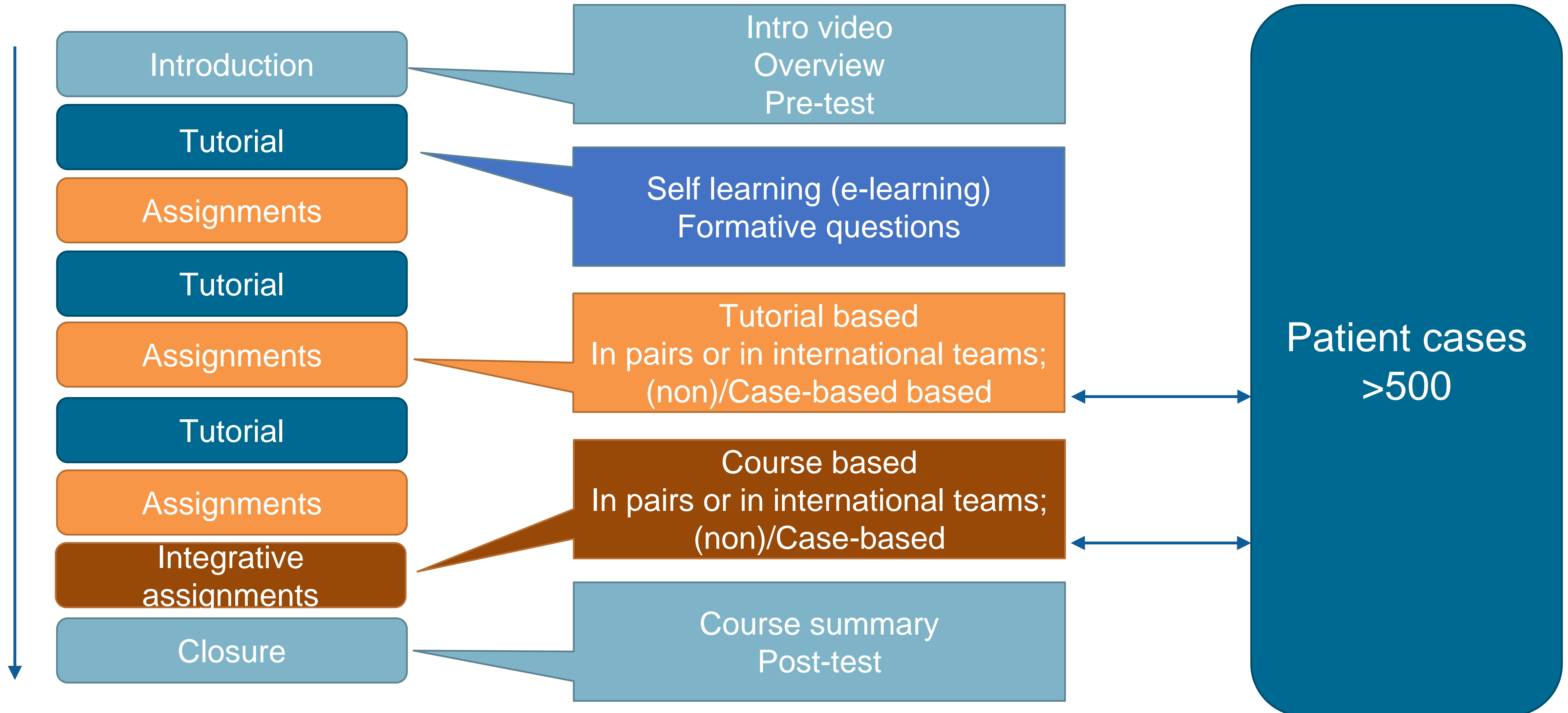
Courses in EDEMTET

EDEMTET

START:
Platform use, Baseline test, Peer feedback & Intercultural Collaboration

Care Context

e.g. context of system (e.g. OHC organization, finances, workforce, OH education), practice/dentist, patient, culture, ethics, health values in OHC

Evidence Based Practice 1 (simple cases)

Clinical reasoning 1 (simple cases)

e.g. EBP, PICO(T), CAT, research designs

Evidence Based Practice 2: (complex cases)

Clinical Reasoning 2 (complex cases)

e.g. reasoning in data collection, analysis, clinical decision making, shared decision making, integrating information/ evidence

EXIT:
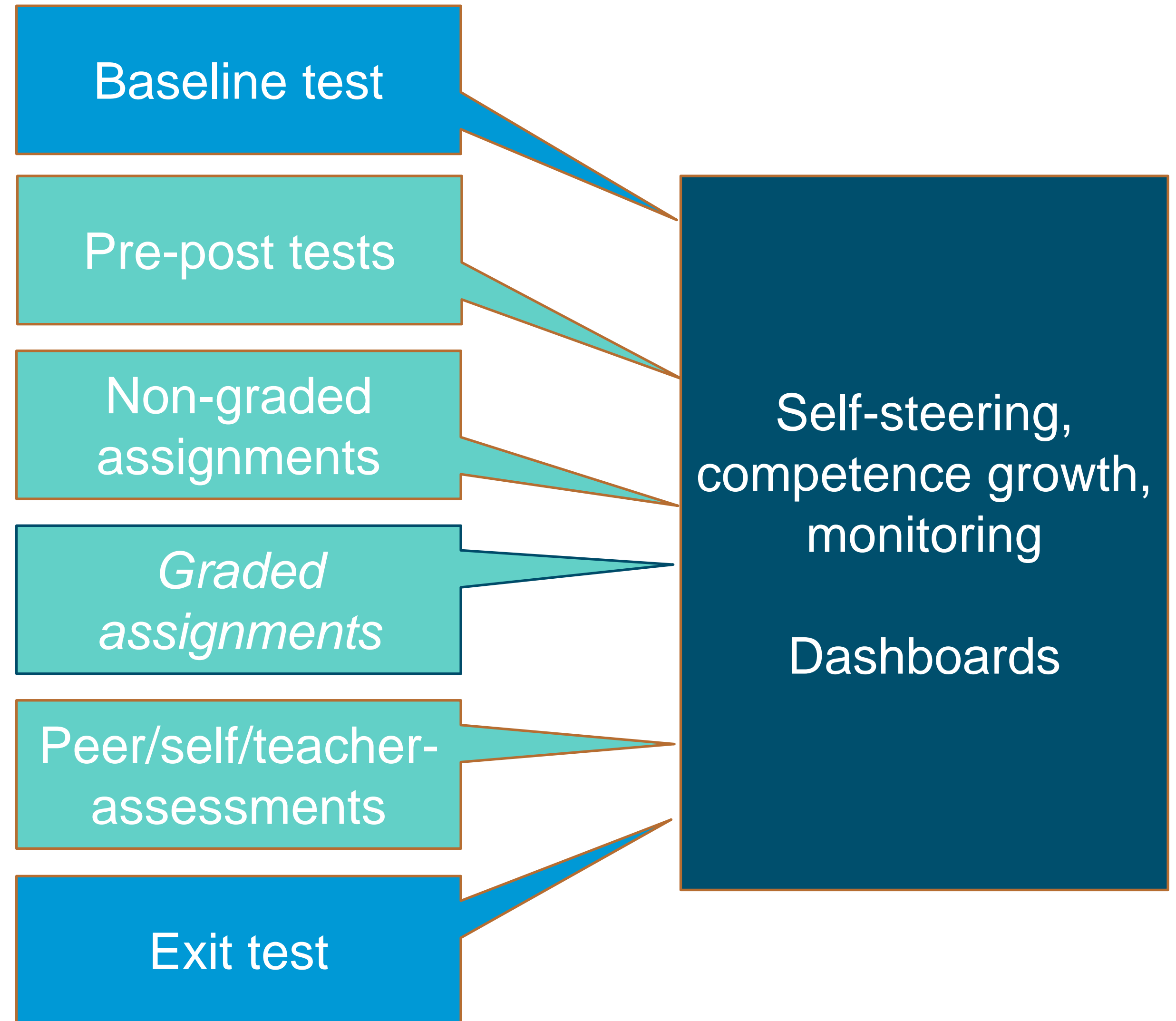Exit test and evaluation of learning outcomes

Learning concepts

Learning concepts:

- Case-based learning

- Team-based learning (also in pairs and individually)

- International and intercultural learning

- Self-regulated learning based on formative testing and peer feedback

- Competence-oriented learning based on registration and insight into competence development

Course structure

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Introduction → Intro video / Overview / Pre-test

Tutorial → Self learning (e-learning) / Formative questions

Assignments

Tutorial

Assignments → Tutorial based / In pairs or in international teams; (non)/Case-based based

Tutorial

Assignments

Integrative assignments → Course based / In pairs or in international teams; (non)/Case-based

Closure → Course summary / Post-test
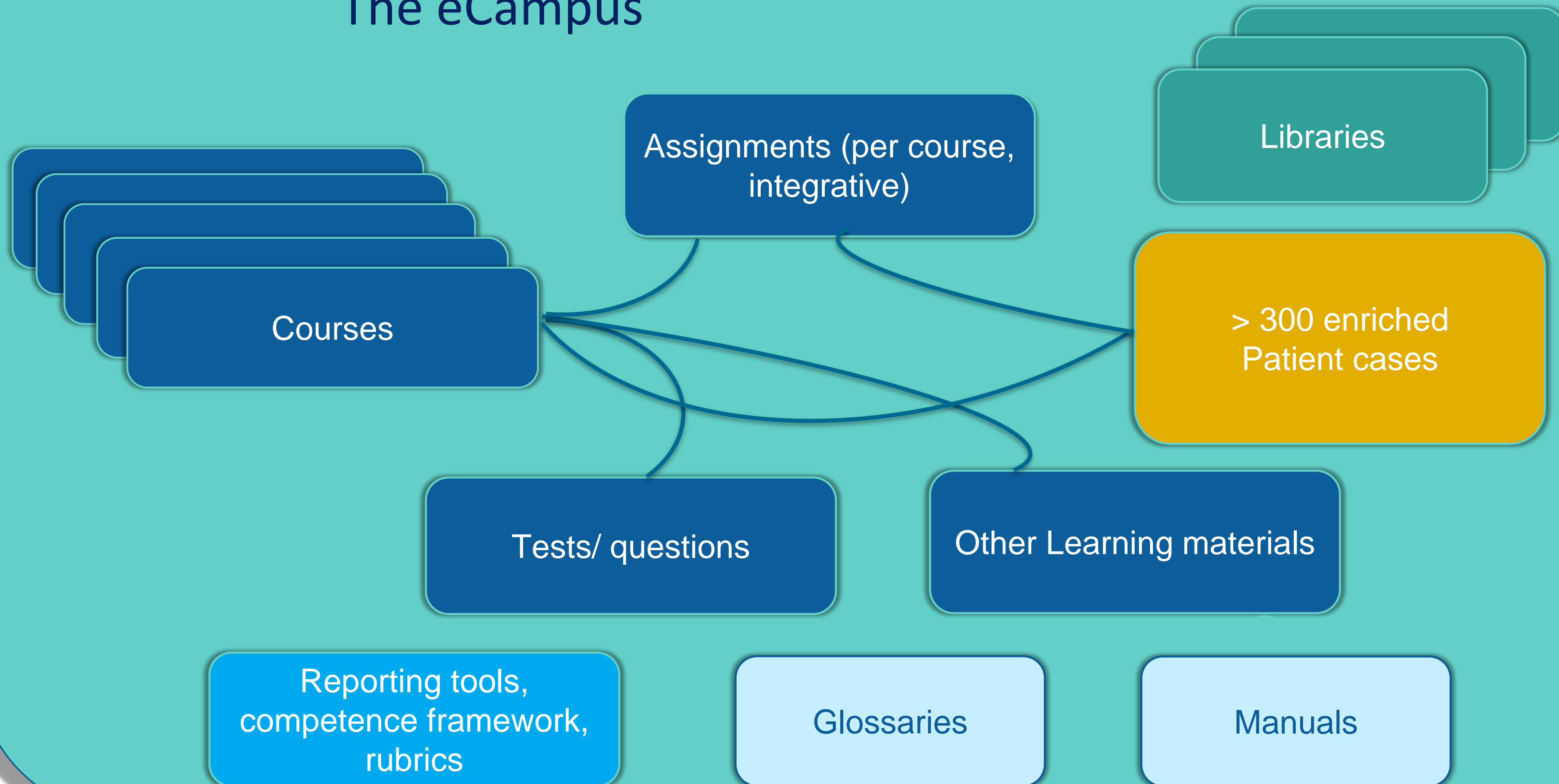
Patient cases >500

Testing/ Assessments

- Variation in testing/assessments, according to competence framework- learning objective – learning activity matrix
- Longitudinal testing
- Multiple data(points): Automated competency growth assessment based on collected test and assessment results
- Via rubrics to dashboards

- **Local: "grade" according to own school** based on provided assessment criteria

Baseline test

Pre-post tests

Non-graded assignments

Graded assignments

Peer/self/teacher- assessments

Exit test

Self-steering, competence growth, monitoring

Dashboards

How EDEMTET fits in educational developments

- Life long learning
- Flexibilization – *graduate and postgraduate; facilitate 'shopping' student*
- Digitalization
- Re-use of educational resources
- Working with entrusted professional areas (EPA's)
- Case-based & team-based learning

Effects EDEMTET

- **Quality of treatment planning & clinical reasoning improves**, becomes more effective and more uniform

- Improves **cohesion in curriculum components** (connects)

- **More effective use of teachers** and working with peer teaching

- Facilitates **intercultural exchange** (student exchange); **internationalisering@home**, further development

- Extensive patient-case database for **enrichment of own educational material**

- Facilitates development of **learning programs and/or tailor-made materials**; e.g. MOOC, postgraduate courses

Participation

- Universities can participate from June 2024

- Different scenarios for participation (e.g. all items, libraries, database, courses)

- Joined further development possible

Questions, Suggestions?

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