



# SHAPING THE FUTURE OF DENTAL EDUCATION:

## THE IMPACT OF NEW TECHNOLOGICAL AND SCIENTIFIC DISCOVERIES ON TRADITIONAL DENTAL EDUCATION

Scientific and Research Technologies  
Break out sessions – Day 2



# WHAT ARE THE IMPORTANT PROBLEMS THAT COULD BE SOLVED BY NEW SCIENTIFIC DISCOVERIES AND HOW DO WE INTRODUCE THEM TO OUR STUDENTS?

- Early diagnosis and monitoring, nanomedicine, informatics
- Ecology, microbiome and biofilm
- Regenerative dentistry (soft & hard tissues)
- Dentophobic patients
- Decrease chair-time
- On-line platform to share a problem and ask for suggestions



# HOW DO WE CREATE CRITICAL THINKERS? (*SOPHISTICATED CONSUMERS OF RESEARCH*)

- Change assessment methods (Embedding critical thinking in assessment)
- Giving the students robust methodology for evaluation of evidence (Prepare faculties – Socratic approach)
- Clinical treatment planning & case discussion
- Inter year, Inter- & Intra- professional (peer to peer support & librarians)
- Personalise (make your own soup) innovative creative methods (gamification, social media), stimulate passion



# HOW DO WE ENCOURAGE EVIDENCE-BASED DENTISTRY?

- Teach it → Use it → Assess it (Implementation)
- Classes on systematic reviews
- Spiral involvement of student/faculty/patient/industry
- Community education – collaboration network



# HOW SHOULD RESEARCH AND RESEARCH METHODOLOGY BE INTEGRATED INTO THE CURRICULUM?

- Research projects
- Innovation and entrepreneurship (collaboration, teamwork)
- Spiral approach
- CPD (Mandatory research courses)

