

Survey Results: Deans of Dental Schools

About this survey: Taking in account the technological and scientific development in Dentistry, the Council of European Dentists (CED) has been calling on the European Commission to carry out the adequate changes of the subjects of the study programme for dental practitioners listed in the Annex V.3/5.3.1 of the Professional Qualifications Directive (PQD) that was published in 2005.

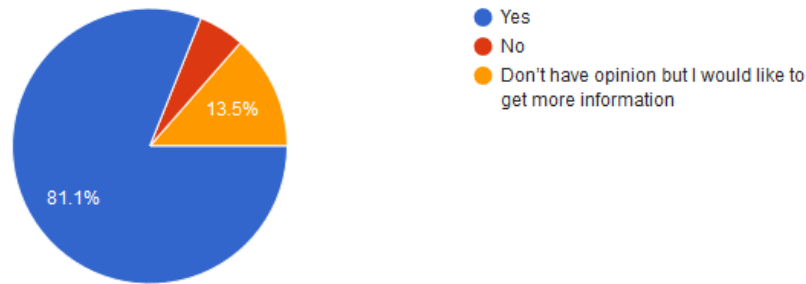
In this proposal, the CED has decided to stay focused on the subjects of the study programme rather than change it to competencies, as there is lack of political will, at supranational and national level, to amend this part of PQD and to introduce changes that include competences.

The CED noted that many of the suggested changes on the subjects are already implemented in the study program of the Universities and therefore, we would like to gather the necessary evidence to support our advocacy activities. This is the reason why CED decided to prepare a questionnaire and submit it to the Universities. The results will be presented to the decision makers in the EU to ensure the dental education remains at the highest level, timely corresponding to the scientific, technical and technological developments.

Survey results as of 31 October 2018: Replies received from 37 universities across Europe so far (17 different countries).

2. Do you find it important to update the Annex V.3/5.3.1 of the Directive 2005/36/EC (PQD)?

37 responses

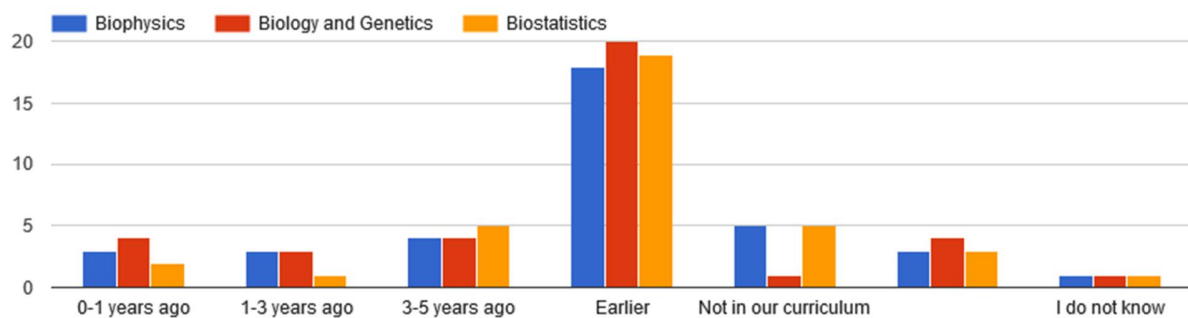


Comments on Question 2:

- X Due to the extraordinary technological and scientific development in oral health
- X Dentistry is not a static education
- X Our dental education was established and passed accreditation 6 year ago
- X There are many subjects that need to be updated or included as new
- X Sure. Semantics are of utmost importance and should follow scientific and technological evolutions
- X Relying on the concept of evidence-based dentistry necessarily implies the need of continuous revisions and updates not only in-patient care, but also in dental education.
- X An update is important so the specialized fields can represent better the main objectives and clinical concerns
- X From time to time it is useful to reconsider the situation, requirements, guidelines

Please identify which subjects are implemented at your university per section, and when were they updated:

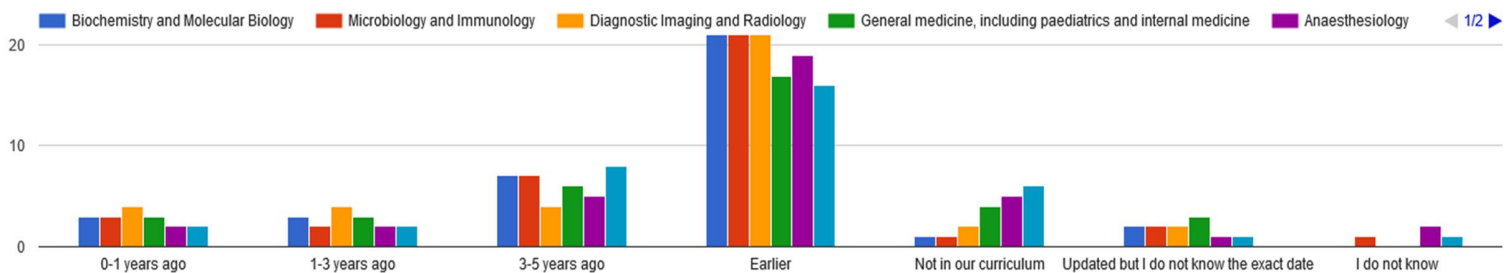
Section A "Basic Sciences" :



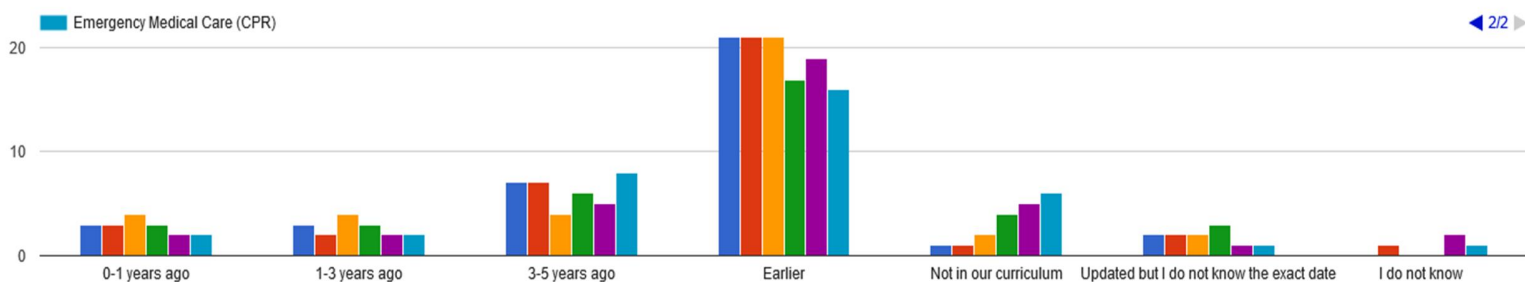
Additional Comments on Section A subjects:

- X Biostatistics is implemented as a compulsory optional subject
- X Biostatistics is a part of Informatics
- X It was implemented after the adoption of Bologna Project
- X For the subject of "Biophysics" our curriculum includes "Medical Physics" course. For the subject of "Biology and Genetics" our curriculum includes "Biology" and "Genetics" as two separate courses. Additionally, in this section, our curriculum includes "Epidemiology" as a separate course
- X Biophysics is denominated Medical Physics
- X We have Biology, Oral Biology and Genetics - titles used alone; and Data management and organization, not Biostatistics
- X our Masterprogramm was certified June 2018

Section B 'Medico-Biological Sciences':



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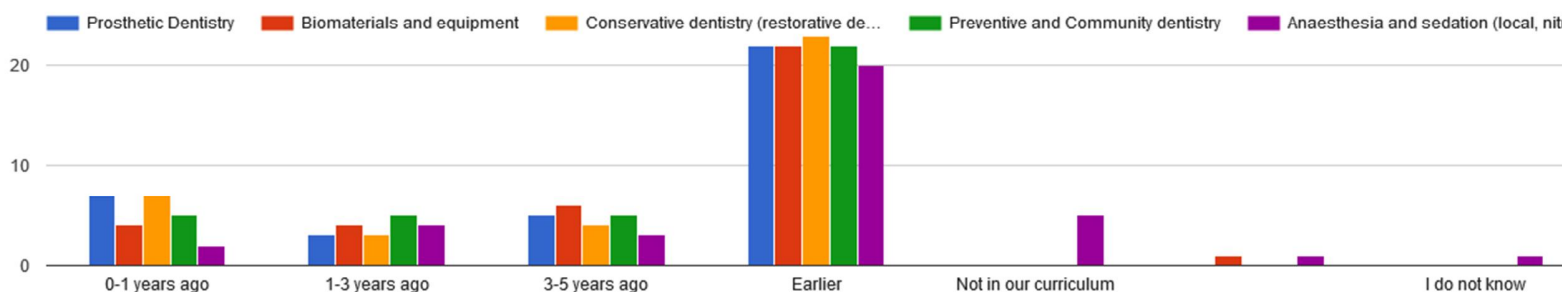
The chart is duplicated because of the subject Emergency Medical Care which does not fit in the picture (results are the same on both)

Additional Comments on Section B subjects:

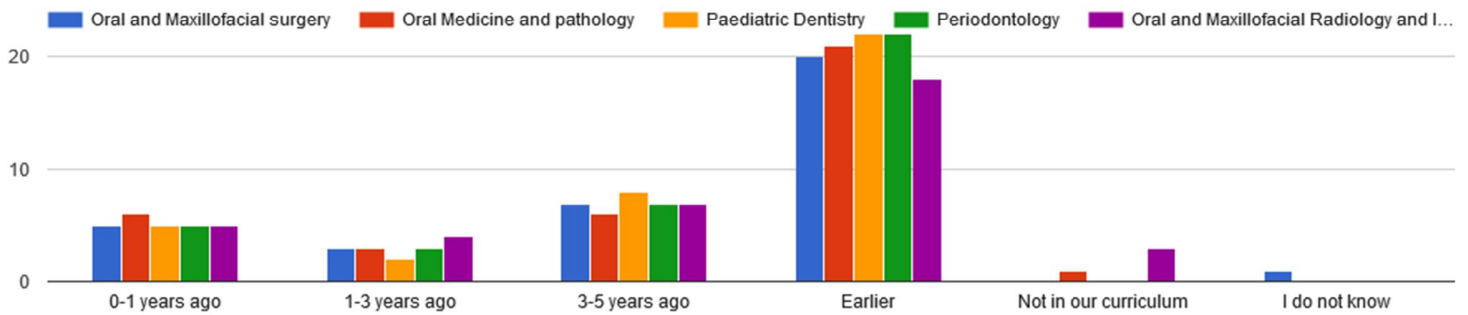
- X Some of the subjects are not extensive but covered in the curriculum.
- X Emergency Medical Care is covered by other medical and dental disciplines
- X Molecular Biology is included in our Medical Biochemistry for Dentistry; Microbiology and Immunology are as 2 separate subjects; Paediatrics is as a separate subject; Anaesthesiology is included in other subjects
- X In our curriculum are separated subjects Internal Medicine, Paediatrics; is not General medicine, CRP is not separate subject; CRP is the part of teaching subject Anaesthesiology and Resuscitation

- X Emergency Medical care is not an independent subject; it is listed with other subjects, as anaesthesiology. Besides pediatrics, we have in our curriculum dermatology, Otorhinolaryngology, ophthalmology, psychiatrics, neurology.
- X For the subject of 'Biochemistry and Molecular Biology' our curriculum includes 'Medical Chemistry' and 'Biochemistry' as separate courses, while Molecular Biology is included in the course of 'Biology'. For the subject of 'General medicine, including paediatrics and internal medicine' our curriculum includes 'Internal Medicine' course. For the subject of 'Emergency Medical Care (CPR)' our curriculum includes 'Medical Emergencies' as an elective course. Additionally, in this section, our curriculum includes 'Anatomy', 'Experimental Physiology', 'Pathology', 'Pharmacology' and 'General Surgery' as separate courses.
- X We have cellular biology and oral biology, we do not have Biochemistry and Molecular Biology, and Microbiology and immunology
- X The whole curriculum was modified in 2012 and introduced from 2013/2014. It emphasizes the knowledge necessary in modern dentistry. Unfortunately, there is no Ergonomics course here.

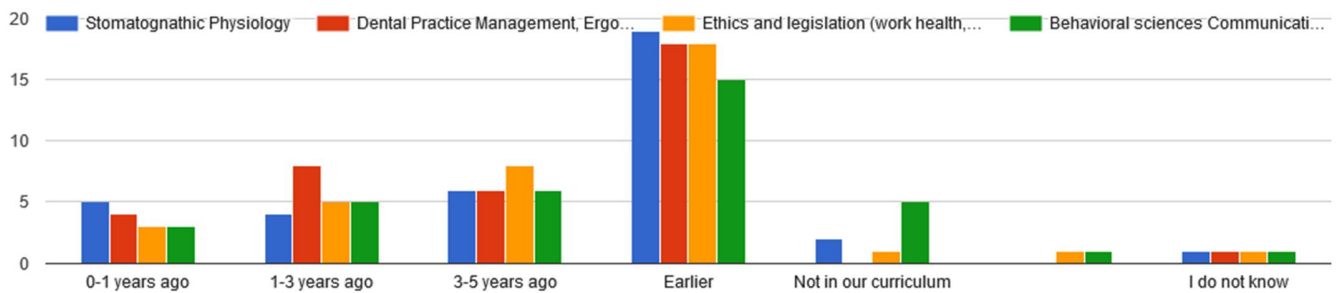
Section C 'Preclinical dentistry and comprehensive clinical experience with patients':



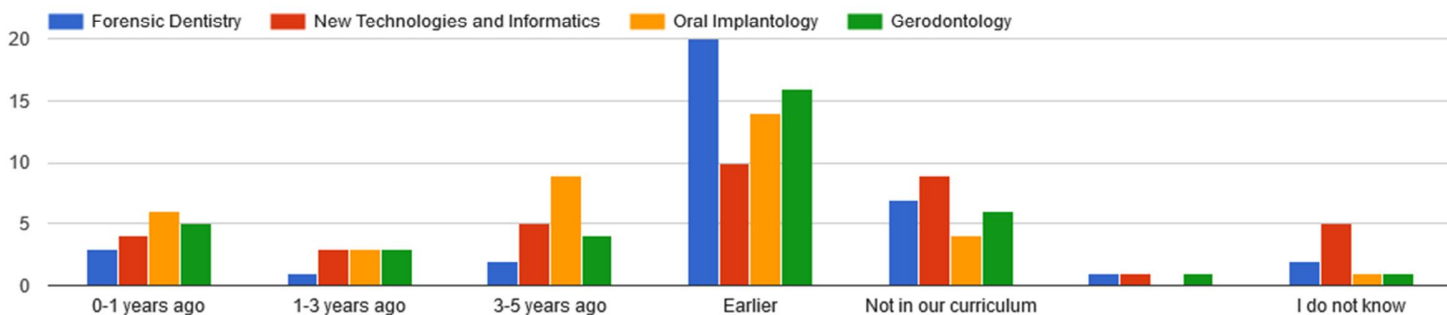
Section C - continued - 'Preclinical dentistry and comprehensive clinical experience with patients':



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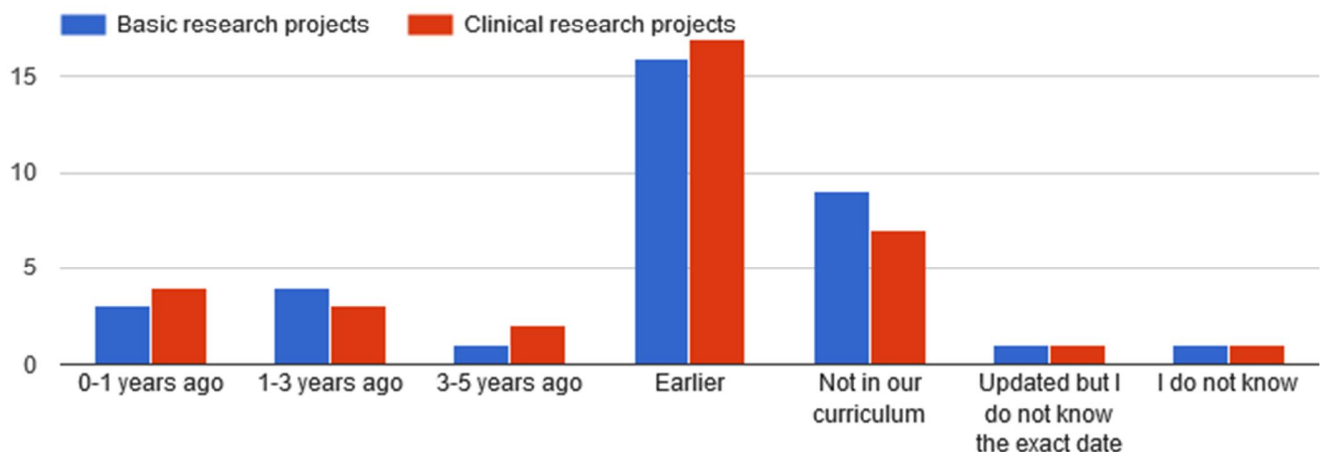
Additional Comments on Section C subjects:

- X Gerodontology is in multiple subjects, Oral implantology is voluntary subject
- X I rather suggest "New technologies and informatics" to be "New Technologies, informatics and Innovation"
- X Concerning anaesthesia: Use of local, nitrous oxide covered in theory, but not in practice
- X Titles of some subjects are slightly different in our curriculum
- X Anaesthesia and Sedation - now is a part of Dentoalveolar surgery - Oral Medicine and Pathology- is a part of Periodontology and mucosal membrane diseases - Stomatognathic physiology - is a part of Prosthetic dentistry and Orthodontics - New Technologies ... - are actually added to different subjects. Other subjects are not yet in curriculum
- X Some of these subjects are grouped together: oral implantology is listed with Prosthesis; Cariology is listed with preventive dentistry. The only subject that is not identified is gerodontology.
- X For the subject of 'Prosthetic Dentistry' our curriculum includes 'Fixed Prosthodontics' and 'Removable Prosthodontics' as separate courses. For the subject of 'Biomaterials and equipment' our curriculum includes 'Dental Materials' and 'Clinical application of Dental Biomaterials' as two separate courses. For the subject of 'Conservative dentistry (restorative dentistry, endodontology, cariology)' our curriculum includes 'Operative Dentistry', 'Endodontics', 'Tooth morphology' and 'Pathology of Dental Hard Tissues' as separate courses. For the subject of 'Preventive and Community dentistry' our curriculum includes 'Preventive Dentistry' and 'Community Dentistry' as two separate courses. For the subject of 'Anaesthesia and sedation (local, nitrous oxide)' our curriculum includes 'Dental Anaesthesia' course. For the subject of 'Oral and Maxillofacial surgery' our curriculum includes 'Oral Surgery' and 'Maxillofacial surgery'

as separate courses. For the subject of 'Oral and Maxillofacial Radiology and Imaging' our curriculum includes 'Oral Diagnosis and Radiology' course. For the subject of 'Stomatognathic Physiology' our curriculum includes 'Physiology of the Stomatognathic System' course. For the subject of 'Dental Practice Management, Ergonomics' our curriculum includes 'Dental practice management' course. For the subject of 'Behavioral sciences in Communication and interpersonal skills' our curriculum includes 'Applied Psychology in Dentistry' as an elective course. For the subject of 'New Technologies and Informatics' our curriculum includes 'Introduction to Informatics' and 'Laser in Dentistry' as two separate elective courses. For the subject of 'Oral Implantology' our curriculum includes 'Implants' course. Additionally, in this section, our curriculum includes 'Introduction to Dentistry and History of Dentistry', 'Oral Histology and Embryology & General Histology', 'Embryology', 'Orthodontics', 'Hospital Dentistry' as separate courses and 'Otorhinolaryngology' as an elective course.

- X Oral implantology (surgery) covers only basics of implantology, prosthetics on implants is taught. Graduates are not prepared for independent implant surgery.
- X Cariology topics are included in a longitudinal curriculum within several courses (Preventive and community dentistry, conservative and endodontics, pediatric dentistry, Public Health and Hygiene, etc.); Oral and Maxillofacial Radiology and Imaging topics are included in the Diagnostic Imaging and Radiology course.

Section D 'Elaboration of Research Projects':



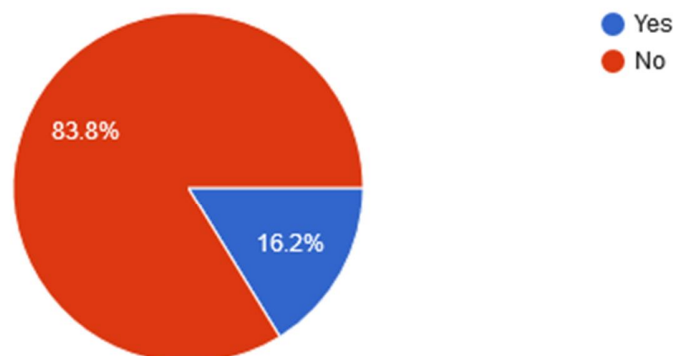
Additional Comments on Section D subjects:

- X There should be a Research Project - either basic or clinical (not both)
- X This should not be included in the curriculum of undergraduate study.

- X DIPLOMA THESIS AND DEFENSE OF DIPLOMA THESIS
- X Basic and Clinical research projects are part of Seminars for Diploma work
- X We have a subject called Research Project, where students are asked to develop and finalize a project, either basic or clinical.
- X The students write a master thesis on the 10th semester, it could be based on a basic science or a clinical research project.
- X Every student has to write one research project during the studies, either basic or clinical
- X Basic and clinical research projects are implemented as thesis project for the final exam on graduation at the end of the 6th year of course
- X There is a course and topics relating scientific activity, but not separated as the above

4. Are there any other changes concerning the names of the subjects of certain subjects to the study program r...(PQD), that you would like to mention?

37 responses

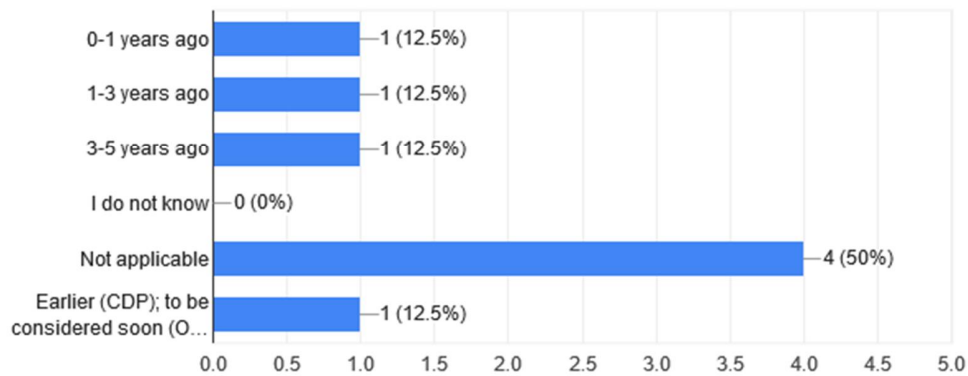


If yes, please describe the names:

- X 1. critical thinking and sources of information 2. We would like to lengthen curriculum from 5 to 6 years, otherwise we are not able to delivery sufficient quality and quantity of information
- X I rather suggest "New technologies and informatics" to be "New Technologies, informatics and Innovation"
- X Dentistry --> Oral Health Science
- X Clinical Diagnosis and Planning; Oral Biosciences
- X Why is radiology included twice?
- X In general, two additional subjects are worth of consideration in Section C: (1) Orofacial pain / temporomandibular disorders (2) History of dentistry

If yes, when were the changes or deletion implemented?

8 responses



5. Is there an intention to conduct any update of dental curriculum in a near future?

37 responses

