

**Network of Erasmus Based European
Orthodontic Postgraduate Programmes**

NEBEOP

**Self-Assessment Guide for
Evaluation of a Postgraduate
Programme in Orthodontics**



Department of Orthodontics,
School of Dentistry,
National and Kapodistrian University of Athens

March 4, 2015

Appendix 2 to the Bylaws of NEBEOP

Self-Assessment Guide for the Evaluation of a Postgraduate Programme in Orthodontics

This proposal is based on:

- The Orthodontic Self-Study guide of the American Dental Association (ADA), Commission on Dental Accreditation.
- Template for writing a Self-assessment Document (prior to an external visitation/inspection) of the Association for Dental Education in Europe (ADEE).
- The guidelines and procedures for accreditation of specialty programmes in Dentistry of the Specialist Registration Committee of the Dutch Dental Association.
- Application for Approval of teams of the American Cleft Palate Craniofacial Association.
- Netherlands-Flemish Accreditation Institute for accreditation of academic Bachelor and Master programmes.
- Discussions in the Taskforce-1 Steering Group of the Teachers Forum of the European Orthodontic Society (EOS).
- Discussion during Founding Meeting of NEBEOP in Geneva, 20-21 November 2008.
- E-mail corrections by the members of NEBEOP, from December 2008 until April 15, 2009.

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Acronyms

NKUA	National and Kapodistrian University of Athens
OGG	Official Government Gazette

TITLE PAGE

The self assessment guidelines provide information for approval of postgraduate programmes in orthodontics by the Network of Erasmus Based European Orthodontic Programmes (NEBEOP) and provide the basis for active membership of the Network. It is understood that the evaluation will be conducted in accordance with the procedures set forth by the Network. The Programme Director agrees to cooperate fully in the evaluation procedures, including providing written information to the Evaluation Committee as required for evaluation of the programme.

Date	March 4, 2015
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GENERAL INFORMATION

0.1	What is the length of the programme in months?	36
0.2	Does the programme have entrance criteria? If yes, specify: Grade of DDS degree, grade of undergraduate orthodontics courses, CV of applicant (including congress presentations and publications), written entrance exams, interview.	Yes
0.3	How many full-time residents are currently enrolled in the programme per year? See page 24 for explanation of resident rosters.	4 in year 2 (Semesters 3, 4) 4 in year 3 (Semesters E, F)
0.4	How many part-time residents are currently enrolled in the programme per year?	0
0.5	The programme offers	
	0.5a a certificate / diploma, Please see Appendix A	Yes
	0.5b a Master's degree	
	0.5c a PhD degree	
	0.5d others	
0.6	What is the percentage of the residents' total programme time devoted to each segment of the programme?	
	0.6a Clinical activity	50%
	0.6b Theoretical education	35%
	0.6c Research	10%
	0.6d Teaching	5%
	0.6e Other (specify) e.g. to organize activities	
	Total	100%

STANDARD 1 - CURRICULUM AND PROGRAMME DURATION

Complete each question and identify the documentation you are providing in support of your answers. Appendices A to D are also required for this section. The appendix information may serve as “documentary evidence” where appropriate.

1.1	Does the programme provide special knowledge and skills beyond training levels in undergraduate dentistry and complies with the standards of the Network? Documentary evidence: Appendix A, B, C	Yes	
1.2	Has the programme developed clearly stated goals and objectives appropriate to advanced specialty education, addressing education, patient care, and research? Documentary evidence: Appendix A	Yes	
1.3	Is documentation of all programme activities assured by the programme director and available for review? Documentary evidence: All Appendices	Yes	
1.4	Is the postgraduate programme in orthodontics equivalent to a minimum of 36 months full-time in duration? Documentary evidence: Appendix B	Yes	
1.5	Is the content of the programme structured in line with the Erasmus Standards for postgraduate training in orthodontics? Documentary evidence: Appendix B, C	Yes	
1.6	GENERAL BIOLOGICAL AND MEDICAL SUBJECTS Does the graduate of the programme in orthodontics reach the levels of required understanding as described in the Erasmus programme for the following subjects:		
	1.6a Growth and development of the human body	Yes	
	1.6b Anatomy of the head	Yes	
	1.6c Genetics	Yes	
	1.6d Embryology of the head	Yes	
	1.6e Cell biology	Yes	
	1.6f Physiology of breathing, speech, swallowing, and mastication	Yes	
	1.6g Syndromes with the head involved	Yes	
	1.6h Psychology of the child, adolescent, and adult	Yes	
	1.6i Biostatistics	Yes	
	1.6j Epidemiology	Yes	
	1.6k Research methodology	Yes	
1.7	BASIC ORTHODONTIC SUBJECTS Does the graduate of the programme in orthodontics reach the levels of required understanding as described in the Erasmus programme for the following subjects:		

	1.7a Development of the dentition (normal and abnormal)	Yes	
	1.7b Facial growth (normal and abnormal)	Yes	
	1.7c (Patho)physiology of the stomatognathic system	Yes	
	1.7d Aspects of tooth movement and dentofacial orthopaedics	Yes	
	1.7e Radiology and other imaging techniques	Yes	
	1.7f Radiographic cephalometrics	Yes	
	1.7g Orthodontics materials	Yes	
	1.7h Orthodontic biomechanics	Yes	
1.8	<p>GENERAL ORTHODONTIC SUBJECTS</p> <p>Does the graduate of the programme in orthodontics reach the levels of required understanding as described in the Erasmus programme for the following subjects:</p>		
	1.8a Aetiology	Yes	
	1.8b Diagnostic procedures	Yes	
	1.8c Orthodontic diagnostic assessment, treatment objectives, and treatment planning	Yes	
	1.8d Growth and treatment analysis	Yes	
	1.8e Long term effect of orthodontic treatment	Yes	
	1.8f Iatrogenic effects of orthodontic treatment	Yes	
	1.8g Epidemiology in orthodontic research	Yes	
1.9	<p>ORTHODONTIC TECHNIQUES</p> <p>Does the graduate of the programme in orthodontics reach the levels of required understanding as described in the Erasmus programme for the following subjects:</p>		
	1.9a Removable appliances	Yes	
	1.9b Functional appliances	Yes	
	1.9c Extra-oral appliances	Yes	
	1.9d Partial fixed appliances techniques	Yes	
	1.9e Fixed appliances techniques	Yes	
	1.9f Retention appliances	Yes	
1.10	<p>MULTIDISCIPLINARY TREATMENT PROCEDURES</p> <p>Does the graduate of the programme in orthodontics reach the levels of required understanding as described in the Erasmus programme for the following subjects:</p>		
	1.10a Cleft lip and palate treatment	Yes	
	1.10b Combined surgical-orthodontic treatment	Yes	
	1.10c Combined periodontal-orthodontic treatment	Yes	

	1.10d Combined restorative-implantology-orthodontic treatment	Yes	
1.11	SPECIFIC TREATMENT PROCEDURES Does the graduate of the programme in orthodontics reach the levels of required understanding as described in the Erasmus programme for the following subjects:		
	1.11a Guiding the development of the occlusion	Yes	
	1.11b Adult orthodontics	Yes	
	1.11c Craniomandibular dysfunction	Yes	
1.12	MANAGEMENT OF HEALTH AND SAFETY Does the graduate of the programme in orthodontics reach the levels of required understanding as described in the Erasmus programme for the following subjects:		
	1.12a management of oral health	Yes	
	1.12b health and safety conditions in an orthodontic practice	Yes	
1.13	PRACTICE MANAGEMENT, ADMINISTRATION, AND ETHICS Does the graduate of the programme in orthodontics reach the levels of required understanding as described in the Erasmus programme for the following subjects:		
	1.13a Office management	Yes	
	1.13b Use of information technology	Yes	
	1.13c Ergonomics	Yes	
	1.13d Legislation	Yes	
	1.13e Professional ethics	Yes	
1.14	Does the programme provide theoretical education (lectures and seminars) equivalent to at least 5 hours / week (minimum of 600 hours during the education)? Documentary evidence: Appendix B, C	Yes	

STANDARD 2 - CLINICAL TRAINING

Complete each question and identify documentation in support of your answer. Appendix E is also required for this section. Required appendix information may serve as “documentary evidence” where appropriate

2.1	Does the programme provide clinical education (chair-side time) equivalent to at least 16 hours / week (approximately 2000 hours during the education)? Documentary evidence: Appendix B, D, E	Yes	
2.2	Does the programme provide treatment planning sessions or treatment evaluation seminars or discussions equivalent to at least 3 hours / week? Documentary evidence: Appendix D	Yes	
2.3	Does each resident start at least 50 new cases with a variety of malocclusions? Documentary evidence: Appendix E	Yes	
2.4	Are all treatments supervised by an orthodontist specialist, with a maximum of 8 residents per supervisor? Documentary evidence: Appendix E	Yes	
2.5	Is part of the clinical training provided in private practices?		No
2.6	2.6a Does experience include treatment of all major types of malocclusion, within the primary, mixed and permanent dentitions?	Yes	
	2.6b Does the programme provide extensive and comprehensive clinical experience appropriate for orthodontic practice?	Yes	
	Documentary evidence: Appendix E		
2.7	Does the programme aim to train a graduate to be competent to:		
	2.7a Develop and document treatment plans using sound principles of appliance design and biomechanics?	Yes	
	2.7b Treat and manage developing dentofacial problems which can be minimized by appropriate timely intervention?	Yes	
	2.7c Use dentofacial orthopaedics in the treatment of patients?	Yes	
	2.7d Provide all phases of orthodontic treatment including initiation, completion, and retention?	Yes	
	2.7e Treat patients with at least one fixed appliance technique?	Yes	
	2.7f Have exposure to patients who require joint care with oral and maxillofacial surgeons and other health care providers?	Yes	
	2.7g Manage patients with functional occlusal and temporomandibular disorders?	Yes	
	2.7h Treat or manage the orthodontic aspects of patients with moderate and advanced periodontal problems?	Yes	
	2.7i Coordinate and document detailed interdisciplinary treatment plans which may include care from other providers, such as restorative dentists and oral and maxillofacial surgeons or other dental specialists?	Yes	

	2.7j Obtain and create records of quality images of patients using contemporary photographic techniques, radiology and cephalometry, including information technology when appropriate?	Yes	
	2.7k Develop and maintain a system of longitudinal treatment records as a foundation for understanding long-term changes?	Yes	
	2.7l Manage and motivate patients to comply with orthodontic treatment procedures?	Yes	
	2.7m Practice orthodontics in full compliance with accepted professional standards of ethical behaviour?	Yes	
	2.7n Critically evaluate new literature relevant to clinical practice?	Yes	

STANDARD 3 - RESEARCH

Complete each question and identify documentation in support of your answer. Appendix F and G are also required for this section. Required appendix information may serve as “documentary evidence” where appropriate.

3.1	Do residents participate in scholarly activity regarding research? Documentary evidence: Appendix B, D	Yes	
3.2	Do residents conduct a research project including critical review of the literature, development of hypotheses and study design, statistical analysis and interpretation of data? Documentary evidence: Appendix B, D	Yes	
3.3	Do residents have research time and guidance for their project? Documentary evidence: Appendix B, D, G	Yes	
3.4	Do residents present their research as a publication or presentation? Documentary evidence: Appendix F	Yes	
3.5	Is ethical review of a research project by a Human Research Ethics Committee or Animal Research Ethics Committee performed when appropriate? Documentary evidence: The School of Dentistry has an Ethical Review Board that evaluates and approves all research projects. See website (in Greek): http://www.dent.uoa.gr/ereyna/epitropi-deontologias-ereynas.html	Yes	

STANDARD 4 - EVALUATION AND ASSESSMENT

Complete each question and identify documentation in support of your answer. Appendix H and I are also required for this section. Required appendix information may serve as “documentary evidence” where appropriate.

4.1	Does a system of ongoing evaluation and advancement ensure that a programme:		
	4.1a Periodically, and at least annually, evaluate the knowledge, skills and professional development of the residents, using appropriate written criteria and procedures?	Yes	
	4.1b Provides an assessment of performance to residents on an annual basis?	Yes	
	4.1c At the end of the postgraduate training assesses the knowledge, skills and professional standards of its residents, using appropriate assessment techniques?	Yes	
	Documentary evidence: Please see Appendix H & I		
4.2	At the time of enrolment, are the residents provided with an educational contract including assessments of knowledge, the nature of assignments, and teaching commitments?		No

STANDARD 5 - PROGRAMME DIRECTOR AND TEACHING STAFF

Complete each question and identify documentation in support of your answer. Appendices J to L are also required for this section. Required appendix information may serve as “documentary evidence” where appropriate.

5.1	Is the programme director a certified orthodontist with a minimum of 5 years of clinical experience? Documentary evidence: Appendix J	Yes	
5.2	Does the programme have a sound academic background? Documentary evidence: Appendix A, B, C, D	Yes	
5.3	Does the programme director hold a University contract and does he have sufficient training, status and time to achieve the educational goals of the programme. Is he qualified to assess the programme’s effectiveness in meeting these goals? The Programme Director is appointed full-time professor. Documentary evidence: Appendix J, L	Yes	
5.4	Is there evidence that sufficient time is devoted to the programme by the director so that the educational and administrative responsibilities can be met? Documentary evidence: Appendix L	Yes	
5.5	Besides maintaining clinical skills, does the programme director have teaching experience in orthodontics and dentofacial orthopaedics as well as research experience? Documentary evidence: Appendix J	Yes	
5.6	Is the majority of the specialty instruction and supervision conducted by supervisors who are appropriately qualified in orthodontics? Documentary evidence: Appendix J, L	Yes	
5.7	Are staff meetings held for review of the purpose, direction and potential improvement of the programme? Documentary evidence: Appendix K	Yes	
5.8	Do the teaching staff have sufficient knowledge of biomedical sciences relevant to orthodontics and dentofacial orthopaedics? Documentary evidence: Appendix J	Yes	
5.9	Are the full-time teaching staff given sufficient time for their own professional development? Documentary evidence: Appendix L	Yes	
5.10	Are there sufficient numbers of teaching staff and are they given sufficient time to provide adequate supervision of the clinical part of the programme? Documentary evidence: Appendix L	Yes	

STANDARD 6 - FACILITIES AND RESOURCES

Complete each question and identify documentation in support of your answer. Appendix M is also required for this section. Required appendix information may serve as “documentary evidence” where appropriate.

6.1	Does the Institution have sufficient financial and personnel resources to support the needs of the educational programme? Financial and personnel resources are limited due to the financial situation of Greece. Government funding to the NKUA has been considerably reduced and the Orthodontic Department now mainly relies on income from treatment fees. Nevertheless, the budget of the Department has shown a surplus for the last 4 years.	Yes	
6.2	Is there adequate designated clinical space specific for the programme? Documentary evidence: Appendix M	Yes	
6.3	Do the facilities permit the residents to work effectively with trained auxiliaries? Facilities are adequate but trained auxiliaries are not available. Documentary evidence: Appendix M		No
6.4	Are radiographic, imaging and data collecting facilities readily available to document both clinical and research data? Documentary evidence: Appendix M	Yes	
6.5	Do residents in the orthodontic programme have access to adequate space, equipment, and physical facilities to do research? Documentary evidence: Appendix M	Yes	
6.6	Are clinical facilities provided within the institution or affiliated institution to fulfil the educational needs of the programme? Documentary evidence: Appendix M	Yes	
6.7	Is sufficient space provided for storage of patient records, models and other related diagnostic materials? Documentary evidence: Appendix M	Yes	
6.8	Are these records and materials readily available to effectively document active treatment progress and immediate as well as long term posttreatment results? Documentary evidence: Appendix M	Yes	
6.9	Do trainees have adequate access to a library and electronic databases to gather scientific information and knowledge? Documentary evidence: Appendix M	Yes	

STANDARD 7 - QUALITY ASSURANCE

Complete each question and identify documentation in support of your answer. Appendix N is also required for this section. Required appendix information may serve as “documentary evidence” where appropriate.

7.1	Does a national accreditation system operate in your country? Documentary evidence: Appendix N	Yes	
7.2	Has the orthodontic programme been judged and accredited to be achieving educational purposes and objectives in accordance with established national standards? Documentary evidence: Appendix N		No
7.3	Is the evaluation of educational quality of the programme systematic, continuous and designed to promote achievement of programme goals in relation to education, patient care, research and teaching? Documentary evidence: Appendix N	Yes	
7.4	Does the programme document its effectiveness using a formal and continuous outcome assessment to include measures of trainee achievement? Documentary evidence: Appendix N	Yes	
7.5	Is there evidence of an ongoing systematic process to evaluate the quality of treatment provided by the department and affiliated clinics? Documentary evidence: Appendix N	Yes	
7.6	Does the academic institution ensure that support from organizations outside of the institution (e. g. commercial companies) do not influence the teaching, clinical and research components of the programme? Documentary evidence: Appendix N	Yes	

SUMMARY OF THE SELF-ASSESSMENT REPORT

This summary gives a qualitative appraisal and analysis of the programme's strengths and weakness.

Strengths

Large number of part-time clinical instructors who have a wide variety of training backgrounds and thus provide different treatment philosophies and techniques.

Treatment of a wide variety of cases, including clefts, syndromes, ortho-prostho, ortho-perio and orthognathic surgery cases.

In-depth and comprehensive theoretical courses, provided as core courses of the postgraduate curriculum of the School, taught by staff of other departments (e.g. Radiology, Oral Pathology).

Close collaboration with other postgraduate departments; the School has 14 postgraduate programmes, 11 of which are clinical.

Collaboration with other departments of the School and external research centres (e.g. Medical School, Demokritos research centre).

Weaknesses

Diminishing staff numbers.

Insufficient supportive staff in the clinic and secretariat for administrative purposes.

No trained auxiliaries in the clinic.

Systematic evaluation of treatment services (by patients) only recently implemented.

Systematic written evaluation of residents on a semester basis (apart from course exams) only recently implemented.

No long-term research direction or plan.

No international students.

Appendix A

Appendix A - Attach as Appendix A the institution's educational mission and programme's goals and objectives.

Legal status

The School of Dentistry of the NKUA established a Postgraduate Programme in 1994, according to Ministerial Decision B7/83 (OGG 260, 12/4/1994). Since then, there have been several amendments, including law 3685/2008. The latest amendment, describing the updated postgraduate programme for all specialities offered by the School of Dentistry, is described in Ministerial Decision OGG 1843, 7/7/2014. Selected sections are translated below:

Article 2

Subject - Aim

“The aim of the Postgraduate Programme in Dentistry is to train mainly graduate dentists in specialized and advanced subject areas and research, so as to ensure their contribution to the promotion and development of Dental Science, to the search and acquisition of new scientific knowledge, to the formulation and promotion of scientific thinking, as well as to the provision of high-level dental care and to the management of special clinical cases.”

Article 5

Duration

“The duration for the acquisition of the Postgraduate Speciality Diploma is four (4) semesters for the specialities of Oral Biology, Community Dentistry and Dental Biomaterials and six (6) semesters for the specialties: Orthodontics, Paediatric Dentistry, ...”

Article 5

Course Programme

“The acquisition of the Postgraduate Speciality Diploma in the specialities of Orthodontics, Paediatric Dentistry, ... requires 180 ECTS credits.”

“The following courses are compulsory for the speciality of Orthodontics:”

Semester	Course	ECTS
1	Basic Principles of Research	2
1	Imaging methods in Dentistry	2
1	Simulation of Orthodontic Treatment	4
1	Morphogenesis of the Craniofacial Complex	2
1	Growth of the Craniofacial Complex 1	2
1	Morphometrics - Cephalometrics	3
1	Biomechanics	3
1	Ortho Seminar 1	3
1	Ortho Clinic 1	9
	Total ECTS 1st Semester	30
2	Biostatistics	2
2	Anatomy of the Head and Neck	2
2	Growth of the Craniofacial Complex 2	3

2	Ortho Seminar 2	5
2	Ortho Clinic 2	12
2	Dysmorphogenesis and Syndromes of the Craniofacial Complex	2
2	Research	4
	Total ECTS 2nd Semester	30
3	Clinical Oral Pathology	2
3	Ortho Seminar 3	7
3	Ortho Clinic 3	11
3	Dental Trauma	2
3	Development of the Dentition and Occlusion	2
3	Research	6
	Total ECTS 3rd Semester	30
4	Occlusion	2
4	Ortho Seminar 4	7
4	Ortho Clinic 4	11
4	Research	10
	Total ECTS 4th Semester	30
5	Ortho Seminar 5	8
5	Ortho Clinic 5	22
	Total ECTS 5th Semester	30
6	Ortho Seminar 6	8
6	Ortho Clinic 6	22
	Total ECTS 6th Semester	30
	Total ECTS	180

The Postgraduate Programme leads to a 'Postgraduate Speciality Diploma' (Μεταπτυχιακό Δίπλωμα Ειδίκευσης), which is equivalent to a Master's Degree.

The aim of the Programme is also stated on the School's web site:

"The aim of the Postgraduate Program (MSc) in Dentistry is training the graduate dentists in specialized and advanced knowledge areas and prepare them to perform research to ensure their contribution to the promotion and development of Dental Science, to the search and acquisition of new scientific data, the development and promotion of scientific thought as well as the provision of high quality dental care to address specific clinical cases."

Note: The web site may not have been updated to the latest Programme, as described in OGG 1843, 7/7/2014.

Appendix B

Appendix B - Attach as Appendix B an overview of the programme showing all courses, the contents of the courses, and the time devoted to each subject.

Distribution of hours

The Programme is divided into 6 Semesters, each Semester of 20 weeks duration. Vacations are as follows: 2 weeks in December-January, 2 weeks around Easter, 1 week at end of July, 4 weeks in August (total 9 weeks). Three weeks each year are devoted to exams and/or scientific meetings:

	Weeks per Year
Autumn-Winter Semester	20
Spring-Summer Semester	20
Holidays	9
Exams / Scientific meetings, congresses	3
Total	52

Working time is from 08:00 to 17:00. Lunch breaks are between 12:00 and 13:00. This leads to 40 scheduled hours per week, or to a total of **4800** scheduled hours, not counting the exam period, during which the clinical work proceeds at a reduced pace. Most of the scheduled hours are staff/student contact hours.

The Programme accepts 4 students every year, but skips one year every two years, so that the total number of students is 8 at all times. This leads to the following student classes:

Academic Year	Class 1-6	Class A-F
2010-2011 ⇨ 1-6	Semester 1, 2	Semester C, D
2011-2012	Semester 3, 4	Semester E, F
2012-2013 ⇨ A-F	Semester 5, 6	Semester A, B
2013-2014 ⇨ 1-6	Semester 1, 2	Semester C, D
2014-2015	Semester 3, 4	Semester E, F
2015-2016 ⇨ A-F	Semester 5, 6	Semester A, B
2016-2017 ⇨ 1-6	Semester 1, 2	Semester C, D
2017-2018	Semester 3, 4	Semester E, F
2018-2019 ⇨ A-F	Semester 5, 6	Semester A, B

⇨ Entry year for new class.

Due to the staggered arrangement of classes, Semesters 1 – 6 do not follow exactly the same course schedule and clinic hours as Semesters A – F. However, both classes cover the Erasmus requirements.

The Programme is based on the updated Erasmus programme:

Huggare J, Derringer KA, Eliades T, Filleul MP, Kiliaridis S, Kuijpers-Jagtman A, Martina R, Pirttiniemi P, Ruf S, Schwestka-Polly R. The Erasmus programme for postgraduate education in orthodontics in Europe: an update of the guidelines. Eur J Orthod 2014;36:340-9. doi: 10.1093/ejo/cjt059.

Assignment of scheduled hours

Staff/student contact activities	Hours*
Clinical work	2332-2434
Lectures, seminars, workshops on obligatory academic courses	1295-1303
Treatment planning and treatment evaluation sessions	455
Literature review	221
Total	4303-4413
Staff/student non contact activities	Hours
Analysis of records, Research, other activities	≈500

* Vary depending on Class 1-6 or A-F.

The following tables show the courses and hours for each Semester.

For each course we show the total contact hours, the subjects of the Erasmus programme that are covered, the contact hours that the Erasmus programme specifies for each subject (computed as one third of the total), and the difference between the actual contact hours and those specified by the Erasmus programme (extra hours).

Semester 1	Total Hours	Erasmus Part	Erasmus Hours	Extra Hours
Orientation	6			6
Typodont - Biomechanics	55			
Extra-oral appliances		D3	2	
Partial fixed appliances		D4	2	
Fixed labial and lingual appliances		D5	10	
				41
Seminar 1	44			
Diagnostic procedures		C3	5	
Orthodontic diagnostic assessment, treatment objectives, and treatment planning		C4	20	
Removable appliances		D1	10	
Communication		G2	4	
Ergonomy		G3	2	
Professional ethics		G5	2	
				1
Core Courses	104			
Basic Principles of Research		A10	13	
Imaging methods in Dentistry		B5	13	
Growth of the Craniofacial Complex 1				
		A2	7	
		B2	6	
Biomechanics		B8	26	
Morphogenesis of the Craniofacial Complex		A3	13	
Morphometrics Cephalometrics		B6	26	
Case presentation	68			
Orthodontic literature	21			
Clinic	297			
Total	595			

Semester 2	Total Hours	Erasmus Part	Erasmus Hours	Extra Hours
Seminar 2-D	80			
Cell and molecular biology, immunology and microbiology		A4	10	
Pharmacology		A6	4	
ENT and speech		A7	7	
Craniofacial syndromes		A8	6	
Psychology of the child, adolescent and adult		A9	12	
Development of the dentition (normal and abnormal)		B1	11	
Orthodontic materials		B7	9	
Aetiology and epidemiology of malocclusions		C1	9	
Need and demand for orthodontic treatment		C2	5	
				7
Core Courses	65			
Growth of the Craniofacial Complex 2		B2	26	
Biostatistics		A10	13	
Head and Neck Anatomy		A2	13	
Dysmorphogenesis and Syndromes of the Craniofacial Complex				
		A2	5	
		A3	7	
		A8	1	
Case presentation	67			
Orthodontic literature	40			
Clinic	394			
Total	646			

Semester 3	Total Hours	Erasmus Part	Erasmus Hours	Extra Hours
Seminar 3-E	40			
Anatomy and embryology of craniofacial structures - A2.6 Orthognathic correction		A2.6	2	
Aspects of tooth movements and dentofacial orthopaedics		B4	12	
Skeletal anchorage devices, TADs		D7	7	
Oral devices for OSA treatment		D8	4	
				15
Seminar 3	80			
Growth and treatment analysis		C5	15	
Long-term effect of orthodontic treatment		C6	10	
Iatrogenic effects of orthodontic treatment		C7	10	
Functional appliances		D2	7	
Extra-oral appliances		D3	7	
Partial fixed appliances		D4	7	
Fixed labial and lingual appliances		D5	10	
Retention appliances		D6	5	
				9
Core Courses	39			
Development of the Dentition and Occlusion		B1	13	
Dental Trauma				13
Clinical Oral Pathology		A5	13	
Case presentation	80			
Orthodontic literature	40			
Clinic	354			
Total	633			

Semester 4	Total Hours	Erasmus Part	Erasmus Hours	Extra Hours
Seminar 4-F	7			
Paediatrics		A1	7	
Seminar 4	60			
Adult orthodontics		E1	7	
Treatment of patients with orofacial clefts and craniofacial anomalies		E2	9	
Orthodontic-surgical treatment		E3	7	
Orthodontic-periodontal treatment		E4	7	
Orthodontic-restorative-prosthetic treatment		E5	7	
Cranio-mandibular disorders		E6	7	
				16
Core Courses	13			
Occlusion		B3	13	
Case presentation	80			
Orthodontic literature	40			
Clinic	433			
Total	633			

Semester 5	Total Hours	Erasmus Part	Erasmus Hours	Extra Hours
Seminar 5	13			
Management of oral health		F1	4	
Health and safety conditions in an orthodontic practice		F2	4	
Multicultural health and health care behaviour		F3	2	
				3
Case presentation	80			
Orthodontic literature	40			
Clinic	400			
Total	533			

Semester 6	Total Hours	Erasmus Part	Erasmus Hours	Extra Hours
Seminar 6	13			
Office management		G1	5	
Legislation		G4	4	
				4
Case presentation	80			
Orthodontic literature	40			
Clinic	454			
Total	587			

Semester A	Total Hours	Erasmus Part	Erasmus Hours	Extra Hours
Orientation	6			
Typodont - Biomechanics	55			
Extra-oral appliances		D3	2	
Partial fixed appliances		D4	2	
Fixed labial and lingual appliances		D5	10	
				41
Seminar A	44			
Diagnostic procedures		C3	5	
Orthodontic diagnostic assessment, treatment objectives, and treatment planning		C4	20	
Removable appliances		D1	10	
Communication		G2	4	
Ergonomy		G3	2	
Professional ethics		G5	2	
				1
Core Courses	104			
Basic Principles of Research		A10	13	
Imaging methods in Dentistry		B5	13	
Growth of the Craniofacial Complex 1				
		A2	7	
		B2	6	
Biomechanics		B8	26	
Morphogenesis of the Craniofacial Complex		A3	13	
Morphometrics Cephalometrics		B6	26	
Case presentation	68			
Orthodontic literature	21			
Clinic	326			
Total	624			

Semester B	Total Hours	Erasmus Part	Erasmus Hours	Extra Hours
Seminar 2-D	7			
				7
Core Courses	65			
Growth of the Craniofacial Complex 2		B2	26	
Biostatistics		A10	13	
Head and Neck Anatomy		A2	13	
Dysmorphogenesis and Syndromes of the Craniofacial Complex				
		A2	5	
		A3	7	
		A8	1	
Case presentation	67			
Orthodontic literature	40			
Clinic	454			
Total	633			

Semester C	Total Hours	Erasmus Part	Erasmus Hours	Extra Hours
Seminar C	80			
Growth and treatment analysis		C5	15	
Long-term effect of orthodontic treatment		C6	10	
Iatrogenic effects of orthodontic treatment		C7	10	
Functional appliances		D2	7	
Extra-oral appliances		D3	7	
Partial fixed appliances		D4	7	
Fixed labial and lingual appliances		D5	10	
Retention appliances		D6	5	
				9
Core Courses	39			
Development of the Dentition and Occlusion			13	
Dental Trauma			13	
Clinical Oral Pathology			13	
Case presentation	80			
Orthodontic literature	48			
Clinic	374			
Total	621			

Semester D	Total Hours	Erasmus Part	Erasmus Hours	Extra Hours
Seminar 2-D	80			
Cell and molecular biology, immunology and microbiology		A4	10	
Pharmacology		A6	4	
ENT and speech		A7	7	
Craniofacial syndromes		A8	6	
Psychology of the child, adolescent and adult		A9	12	
Development of the dentition (normal and abnormal)		B1	11	
Orthodontic materials		B7	9	
Aetiology and epidemiology of malocclusions		C1	9	
Need and demand for orthodontic treatment		C2	5	
				7
Seminar D	46			
Adult orthodontics		E1	7	
Treatment of patients with orofacial clefts and craniofacial anomalies		E2	9	
Orthodontic-surgical treatment		E3	7	
Orthodontic-periodontal treatment		E4	7	
Orthodontic-restorative-prosthetic treatment		E5	7	
Cranio-mandibular disorders		E6	7	
				2
Core Courses	13			
Occlusion		B3	13	
Case presentation	80			
Orthodontic literature	40			
Clinic	394			
Total	653			

Semester E	Total Hours	Erasmus Part	Erasmus Hours	Extra Hours
Seminar 3-E	40			
Anatomy and embryology of craniofacial structures		A2	2	
Aspects of tooth movements and dentofacial orthopaedics		B4	12	
Skeletal anchorage devices, TADs		D7	7	
Oral devices for OSA treatment		D8	4	
				15
Seminar E	20			
Management of oral health		F1	4	
Health and safety in orthodontic practice		F2	4	
Multicultural health and health care behaviour		F3	2	
				10
Case presentation	80			
Orthodontic literature	40			
Clinic	413			
Total	593			

Semester F	Total Hours	Erasmus Part	Erasmus Hours	Extra Hours
Seminar 4-F	7			
Paediatrics		A1	7	
Seminar F	13			
Office management		G1	5	
Legislation		G4	4	
				4
Case presentation	80			
Orthodontic literature	40			
Clinic	473			
Total	613			

Appendix C

Appendix C - Attach as Appendix C a schedule of department seminars and/or lectures. Indicate the title or topics and name of the presenter(s) for each course and/or lecture. Also include goals, objectives and course outlines for each course identified.

All Core courses are of 13 weeks duration, either one or two hours per week. Some Core courses are taken with residents of other departments and are given by other departments.

In the following pages, the part of the Erasmus Programme covered by each course is shown by referring to the Erasmus section (e.g. B3). Some Erasmus sections are covered partially by one course and partially by another.

Basic Principles of Research (Core)

Semester: 1

Teaching staff

Staff of the School of Dentistry.

Coordinator: Prof. George Vougiouklakis (Department of Operative Dentistry).

Content

- Methods of knowledge acquisition and their application in science
- Differences between qualitative and quantitative research
- Basic principles of the experimental approach to knowledge acquisition
- Introduction to epidemiological research
- Basic principles of clinical studies
- Basic principles of experimental studies
- Experimental protocol and writing of scientific papers
- Ethics in research

Erasmus sections

A10

Imaging methods in Dentistry (Core)

Semester: 1

Teaching staff

Staff of the Department of Oral Diagnosis and Radiology.

Content

Aim: To acquire knowledge of the basic principles and clinical application of contemporary imaging techniques, as applied in all aspects of clinical dentistry.

Topics:

- Digital intraoral techniques
- Digital panoramic radiography
- Extraoral conventional and digital techniques
- Digital subtractive radiography
- Principles of computed tomography and magnetic resonance imaging
- Principles of dental computed tomography (cone-beam imaging, CBCT)
- Clinical application of CBCT in endodontics
- Clinical application of CBCT in oral pathology
- Clinical application of CBCT in implant dentistry
- Clinical application of CBCT in orthodontics and craniofacial surgery
- Imaging of the temporomandibular joint.

Erasmus sections

B5

Growth of the Craniofacial Complex 1 (Core)

Semester: 1

Teaching staff

Assist. Prof. A. Tsolakis

Content

- Basic principles of human growth.
- Somatic growth.
- Concepts of growth and development (pattern, variability and timing).
- Basic principles of social and behavioural development.
- Physiology of bone growth.
- Patterns of osteogenesis.
- Structural and functional differences between bone and cartilage.
- Frost's mechanostat theory.
- Bone modelling and remodelling.
- Various theories of growth control.
- Sites versus centres of growth.
- Genetic and epigenetic influences on growth.
- Hormonal influences on growth.
- Control processes in facial growth.
- Basic sites and types of skeletal growth in the cranial vault and base, maxilla and mandible.

Erasmus sections

A2, B2

Biomechanics (Core)

Semester: 1

Teaching staff

I. Sifakakis, D. Halazonetis

Aim

To cover biomechanical principles and to apply these principles to clinical practice.

Content

- Basic biomechanical principles
- Force system in Orthodontics
- Mechanical properties of orthodontic materials
- Different elements of orthodontic and dentofacial orthopaedic appliances - biomechanical evaluation
- Two-tooth force systems - Burstone geometries - statically determinate force systems
- Correction of vertical problems - deep bite, 2x4, utility/Burstone intrusion arches - open bite
- Correction of sagittal problems - distalization - extraoral anchorage
- Correction of transverse problems - appliances, indications, mode of action
- Extractions - Anchorage preservation
- Frictional mechanics - two stage/en masse retraction
- Frictionless mechanics - continuous/segmented arches

Erasmus sections

B8

Morphogenesis of the Craniofacial Complex (Core)

Semester: 1

Teaching staff

Heleni Vastardis

Content

Topics:

- Development of the craniofacial complex
- From fertilization to intrauterine life - early development
- Pharyngeal arches and their derivatives
- Development of the face
- Development of the palate. Origin and development of the tongue
- Development of the supporting structures of the craniofacial system
- Vessels and nerves of the face
- Development of the temporomandibular joint. Origin and development of teeth
- Critical time points in early and late embryonic period

Erasmus sections

A3

Morphometrics - Cephalometrics (Core)

Semester: 1

Teaching staff

D. Halazonetis. I. Sifakakis

Content

This course provides theoretical knowledge and hands-on training using advanced software for cephalometric and morphometric analysis. Topics include:

- Cephalometric radiography.
- Cephalometric anatomy and landmarks.
- Conventional cephalometric analyses.
- Superimposition. Evaluation of growth and treatment changes.
- Limitations of conventional cephalometrics.
- The measurement of biological shape.
- Basic geometric morphometrics.
- Procrustes superimposition, shape coordinates, shape space.
- Shape variance, principle components analysis.
- Visualization of shape change, thin plate spline grids.
- Landmarks and semilandmarks. Sliding semilandmarks.

Erasmus sections

B6

Typodont - Biomechanics

Semester: 1

Teaching staff

D. Konstantonis

Content

This is a hands-on laboratory course on Typodonts. Two cases are treated (one non-extraction and one extraction) following the Tweed principles. The course begins with wire bending exercises and continues with placement of bands and brackets, and full treatment mechanics. Theoretical background is provided on basic biomechanics and in the following topics:

- Extra-oral appliances
- Partial fixed appliances
- Fixed labial and lingual appliances

Erasmus sections

D3, D4, D5

Seminar 1

Semester: 1

Teaching staff

All staff members.

Content

- Diagnostic procedures
- Orthodontic diagnostic assessment, treatment objectives, and treatment planning
- Removable appliances
- Communication
- Ergonomy
- Professional ethics

Erasmus sections

C3, C4, D1, G2, G3, G5

Seminar 2-D

Semester: 2, D

Teaching staff

All staff members.

Content

- Cell and molecular biology, immunology and microbiology
- Pharmacology
- ENT and speech
- Craniofacial syndromes
- Psychology of the child, adolescent and adult
- Development of the dentition (normal and abnormal)
- Orthodontic materials
- Aetiology and epidemiology of malocclusions
- Need and demand for orthodontic treatment

Erasmus sections

A4, A6, A7, A8, A9, B1, B7, C1, C2

Growth of the Craniofacial Complex 2 (Core)

Semester: 2

Teaching staff

Assist. Prof. A. Tsolakis

Content

- Principal regions of facial and neurocranial development (the brain and basicranium, the airway and the oral region).
- Remodelling and displacement growth concepts.
- Growth of the neurocranium, the nasomaxillary complex, the mandible; in depth.
- Facial form and pattern.
- Relationship between form and function.
- Normal variations in facial form and the anatomic basis for malocclusions.
- Structural basis for ethnic variations in facial form.
- Adult facial growth.
- Maturation of orofacial musculature.
- Clinical use of different growth concepts for the treatment of anomalies of the mandible and nasomaxillary complex.

Erasmus sections

B2

Biostatistics (Core)

Semester: 2

Teaching staff

Assoc. Prof. Argyro Polychronopoulou

Content

- Introduction to Biostatistics
- Reporting of data. Functions, tables and graphs
- Descriptive statistics. Qualitative, quantitative and ordinal data
- Confidence intervals
- Hypothesis testing
- Analysis of qualitative data
- Analysis of quantitative data
- Analysis of ordinal data
- Introduction to multivariate analyses, modelling
- Interpretation of statistical results

Erasmus sections

A10

Head and Neck Anatomy (Core)

Semester: 2

Teaching staff

Staff of the Department of Oral and Maxillofacial Surgery.

Coordinator: Prof. I. Iatrou.

Content

- Clinical examination and description of structures of the craniofacial region
- Analysis of the anatomical and physiological structures using diagnostic tests
- Autopsy studies of perinatal age
- Clinical anatomy of the head and neck area, with emphasis on the structures of particular interest to dental practitioners
- Neuroanatomy and neurological examination
- Clinical anatomy and physiology in relation to congenital deformations, sexual dimorphism and age

Erasmus sections

A2

Dysmorphogenesis and Syndromes of the Craniofacial Complex (Core)

Semester: 2

Teaching staff

Heleni Vastardis

Content

Topics:

- Dysmorphogenesis (Teratogenesis). Definition – Terminology.
- General principles.
- Pathogenetic mechanisms and examples.
- Genetic factors – Chromosomal.
- Genetic factors - Monogenic. Types of mutations.
- Environmental teratogenic factors.
- Epigenetics: Effect of the environment on the epigenome.
- Disorders of gene expression – carcinogenesis.
- Genetic Counseling - indications and objectives. Cytogenetic prenatal diagnosis.
- Prenatal diagnosis of fetal chromosomal abnormalities: Present and future.
- Preimplantation genetic diagnosis of monogenic diseases.
- Congenital defects in the formation of the head and face. Basic principles of syndrome classification. Syndromes of the 1st, 3rd & 4th pharyngeal arch.
- Pathogenesis of clefts - Classification.
- Syndromes in the frontal and lateral aspect of the face. Craniosynostoses: Clinical and genetic approach.
- Genetic investigation of neuromuscular diseases.
- Small phenotypic characteristics and their importance in identifying syndromes and in their differential diagnosis.

Erasmus sections

A2, A3, A8

Seminar 3-E

Semester: 3, E

Teaching staff

All staff members.

Content

- Anatomy and embryology of craniofacial structures
- Orthognathic correction
- Aspects of tooth movements and dentofacial orthopaedics
- Skeletal anchorage devices, TADs
- Oral devices for OSA treatment

Erasmus sections

A2, B4, D7, D8

Seminar 3

Semester: 3

Teaching staff

All staff members.

Content

- Growth and treatment analysis
- Long-term effect of orthodontic treatment
- Iatrogenic effects of orthodontic treatment
- Functional appliances
- Extra-oral appliances
- Partial fixed appliances
- Fixed labial and lingual appliances
- Retention appliances

Erasmus sections

C5, C6, C7, D2, D3, D4, D5, D6

Development of the Dentition and Occlusion (Core)

Semester: 3

Teaching staff

G. Vadiakas (Department of Paediatric Dentistry) and D. Halazonetis.

Content

Topics:

- Malocclusion: aetiology, epidemiology.
- Tooth development. Disorders of development and calcification
- Tooth eruption. Eruption mechanism. Timing and sequence of tooth eruption.
- Abnormalities of tooth eruption. Root resorption of primary teeth, exfoliation.
- Occlusal changes during development.
- Changes in the dimensions of the dental arches during growth and development.
- The permanent dentition.
- Relationship between tooth size and malocclusion. Perioral forces, theory of equilibrium and occlusion.

Erasmus sections

B1

Dental Trauma (Core)

Semester: 3

Teaching staff

Staff of the Department of Paediatric Dentistry.

Coordinator: Prof. E. Papagiannouli

Content

- Epidemiology, classification, prevention
- Clinical examination, diagnosis, treatment planning
- Crown fracture
- Crown - root fracture
- Root fracture
- Concussion, subluxation, lateral luxation
- Intrusion
- Partial and total avulsion
- Trauma of the alveolar process and bone
- Post-traumatic complications
- Revascularization
- Consequences of trauma of deciduous teeth on the permanent successors

Erasmus sections

Not included as a specific section.

Clinical Oral Medicine (Core)

Semester: 3

Teaching staff

Staff of the Department of Oral Pathology

Content

Topics:

- Basic lesions of oral diseases - Diagnostic methodology
- Congenital malformations and common genetic diseases of the oral mucosal
- Tumours and oral mucosal cysts
- Diseases of salivary glands
- Tumours and cysts of the jaws
- Common diseases of inflammatory nature (tongue, lips, mucosa)
- Infections
- Diseases of immunological origin
- Haematological diseases
- Diseases of the mouth and jaws in childhood and adolescence
- Diseases of neuropathic origin

Erasmus sections

A5

Seminar 4-F

Semester: 4, F

Teaching staff

All staff members. Staff from the Children's Hospital (Agia Sofia).

Content

Topics:

- Paediatrics

Erasmus sections

A1

Seminar 4

Semester: 4

Teaching staff

All staff members.

Content

Topics:

- Adult orthodontics
- Treatment of patients with orofacial clefts and craniofacial anomalies
- Orthodontic-surgical treatment
- Orthodontic-periodontal treatment
- Orthodontic-restorative-prosthetic treatment
- Craniomandibular disorders

Erasmus sections

E1, E2, E3, E4, E5, E6

Occlusion (Core)

Semester: 4

Teaching staff

Staff of the Department of Stomatognathic Physiology (Orofacial Pain Clinic)

Content

Topics:

- Functional aspects of the stomatognathic system. The role of occlusion. Craniomandibular disorders.
- Occlusion in Prosthodontics.
- The effect of occlusion on periodontal tissues.
- Head pain. Differential diagnosis of orofacial pain.
- Occlusion in Orthodontics.
- Application of occlusal concepts in prosthetic rehabilitation.
- Principles of occlusion. Terminology.
- Relationship of occlusion to craniomandibular disorders.
- Orthodontic management of intermaxillary discrepancies.
- Articulators.
- Parafunctional habits. Bruxism.
- General concepts for the treatment of craniomandibular disorders. Splints. Individualized intraoral appliances. Criteria for prosthetic rehabilitation.

Erasmus sections

B3

Seminar 5

Semester: 5

Teaching staff

All staff members.

Content

Topics:

- Management of oral health
- Health and safety conditions in an orthodontic practice
- Multicultural health and health care behaviour

Erasmus sections

F1, F2, F3

Seminar 6

Semester: 6

Teaching staff

All staff members.

Content

Topics:

- Office management
- Legislation

Erasmus sections

G1, G4









Appendix D

Appendix D - Attach as Appendix D the year rosters of the residents including their clinical sessions.

Core courses are of 13 weeks duration, so rosters are different for the weeks when core courses are taught and the rest of the weeks of each semester. Each roster shows both Classes (1-6 and A-F), as some courses are common. Empty entries signify non-contact hours.

















Semester 1, C

Week 1 - 3

	Monday		Tuesday		Wednesday		Thursday		Friday	
	1	C	1	C	1	C	1	C	1	C
8:00	Seminar 1	Seminar 3	Seminar 1	Seminar 3	Seminar 1	Seminar 3	Seminar 1	Seminar 3	Seminar 1	
9:00	Typodont course	Case presentation	Typodont course	Case presentation	Typodont course	Case presentation	Typodont course	Case presentation	Seminar 1	
10:00									Seminar 1	Orthodontic literature
11:00									Seminar 1	
12:00	Lunch Break		Lunch Break		Lunch Break		Lunch Break		Lunch Break	
13:00	Typodont course		Typodont course		Typodont course		Typodont course			
14:00										
15:00										
16:00										

















Semester 1, C

Week 4 – 16 (13 Core weeks)

	Monday		Tuesday		Wednesday		Thursday		Friday	
	1	C	1	C	1	C	1	C	1	C
8:00	Basic Principles of Research	Seminar 3		Seminar 3	Biomechanics	Seminar 3	Morphogenesis of the Craniofacial Complex	Seminar 3		Clinical Oral Pathology
9:00	Case presentation		Case presentation		Case presentation		Case presentation		Orthodontic literature	
10:00					Biomechanics				Morphometrics	
11:00									Cephalometrics	
12:00	Imaging methods in Dentistry	Lunch Break	Lunch Break		Lunch Break		Lunch Break		Lunch Break	
13:00										
14:00										
15:00	Growth of the Craniofacial Complex 1		Seminar 1			Development of the Dentition and Occlusion		Dental Trauma		
16:00										

















Semester 1, C

Week 17 – 20

	Monday		Tuesday		Wednesday		Thursday		Friday	
	1	C	1	C	1	C	1	C	1	C
8:00		Seminar 3		Seminar 3		Seminar 3		Seminar 3		
9:00	Case presentation		Case presentation		Case presentation		Case presentation		Seminar 1	
10:00									Orthodontic literature	
11:00										
12:00	Lunch Break		Lunch Break		Lunch Break		Lunch Break		Lunch Break	
13:00										
14:00										
15:00			Seminar 1							
16:00										

















Semester 2, D

Week 1 – 13 (Core weeks)

	Monday		Tuesday		Wednesday		Thursday		Friday	
	2	D	2	D	2	D	2	D	2	D
8:00	Growth of the Craniofacial Complex 2	Seminar D	Case presentation		Dys-morphogenesis and Syndromes of the Craniofacial Complex	Seminar D	Seminar 2 D			Seminar D
9:00		Case presentation			Case presentation		Case presentation		Seminar 2 D	
10:00									Orthodontic literature	
11:00										
12:00	Lunch Break		Biostatistics	Lunch Break	Lunch Break		Lunch Break		Lunch Break	
13:00										
14:00										
15:00	Seminar 2 D				Seminar 2 D					
16:00			Head and Neck Anatomy					Occlusion		


















Semester 2, D

Week 14 – 20

	Monday		Tuesday		Wednesday		Thursday		Friday	
	2	D	2	D	2	D	2	D	2	D
8:00	Seminar 2 D		Case presentation		Seminar 2 D		Seminar 2 D			Seminar D
9:00	Case presentation				Case presentation		Case presentation		Seminar 2 D	
10:00									Orthodontic literature	
11:00										
12:00	Lunch Break		Lunch Break		Lunch Break		Lunch Break		Lunch Break	
13:00										
14:00										
15:00										
16:00										


















Semester 3, E

Week 1 – 13 (Core weeks)

	Monday		Tuesday		Wednesday		Thursday		Friday	
	3	E	3	E	3	E	3	E	3	E
8:00	Case presentation		Case presentation		Case presentation		Case presentation		Clinical Oral Pathology	Seminar E
9:00	Seminar 3 E		Seminar 3		Seminar 3		Seminar 3		Seminar 3 E	
10:00										Orthodontic literature
11:00										
12:00	Lunch Break		Lunch Break		Lunch Break		Lunch Break		Lunch Break	
13:00										
14:00										
15:00			Seminar 3		Development of Dentition and Occlusion		Dental Trauma			
16:00										

















Semester 3, E

Week 14 – 20

	Monday		Tuesday		Wednesday		Thursday		Friday	
	3	E	3	E	3	E	3	E	3	E
8:00	Seminar 3 E		Case presentation		Case presentation		Case presentation			
9:00	Case presentation		Seminar 3		Seminar 3		Seminar 3		Seminar 3 E	
10:00										Orthodontic literature
11:00										
12:00	Lunch Break		Lunch Break		Lunch Break		Lunch Break		Lunch Break	
13:00										
14:00										
15:00			Seminar 3			Seminar E				
16:00										

















Semester 4, F

Week 1 – 13 (Core weeks)

	Monday		Tuesday		Wednesday		Thursday		Friday	
	4	F	4	F	4	F	4	F	4	F
8:00	Case presentation		Case presentation		Case presentation		Case presentation			
9:00	Seminar 4						Seminar 4		Seminar 4	Orthodontic literature
10:00										
11:00										
12:00	Lunch Break		Lunch Break		Lunch Break		Lunch Break		Lunch Break	
13:00										Seminar F
14:00										
15:00										
16:00							Occlusion			









Semester 4, F

Week 14 – 20

	Monday		Tuesday		Wednesday		Thursday		Friday	
	4	F	4	F	4	F	4	F	4	F
8:00	Case presentation		Case presentation		Case presentation		Case presentation			
9:00	Seminar 4						Seminar 4		Seminar 4	Orthodontic literature
10:00										
11:00										
12:00	Lunch Break		Lunch Break		Lunch Break		Lunch Break		Lunch Break	
13:00										
14:00										
15:00									Seminar 4 F	
16:00										

















Semester 5, A

Week 1 - 3

	Monday		Tuesday		Wednesday		Thursday		Friday	
	5	A	5	A	5	A	5	A	5	A
8:00	Case presentation	Seminar A	Case presentation	Seminar A	Case presentation	Seminar A	Case presentation	Seminar A		Seminar A
9:00										Seminar A
10:00		Typodont course		Typodont course		Typodont course		Typodont course		Seminar A
11:00										Seminar A
12:00	Lunch Break		Lunch Break		Lunch Break		Lunch Break		Lunch Break	
13:00		Typodont course		Typodont course		Typodont course		Typodont course		
14:00										
15:00										
16:00										

















Semester 5, A

Week 4 – 16 (13 Core weeks)

	Monday		Tuesday		Wednesday		Thursday		Friday	
	5	A	5	A	5	A	5	A	5	A
8:00	Seminar 5	Basic Principles of Research	Case presentation		Case presentation			Morphogenesis of the Craniofacial Complex		
9:00	Case presentation					Biomechanics	Case presentation		Orthodontic literature	
10:00										Morphometrics Cephalometrics
11:00										
12:00	Lunch Break	Imaging methods in Dentistry	Lunch Break		Lunch Break		Lunch Break		Lunch Break	
13:00										
14:00										
15:00		Growth of the Craniofacial Complex 1		Seminar A						
16:00										

















Semester 5, A

Week 17 – 20

	Monday		Tuesday		Wednesday		Thursday		Friday	
	5	A	5	A	5	A	5	A	5	A
8:00	Case presentation		Case presentation		Case presentation		Case presentation			
9:00								Seminar A		Seminar A
10:00									Orthodontic literature	
11:00										
12:00	Lunch Break		Lunch Break		Lunch Break		Lunch Break		Lunch Break	
13:00										
14:00										
15:00										
16:00										

















Semester 6, B

Week 1 – 13 (Core weeks)

	Monday		Tuesday		Wednesday		Thursday		Friday	
	6	B	6	B	6	B	6	B	6	B
8:00		Growth of the Craniofacial Complex 2	Case presentation			Dys-morphogenesis and Syndromes of the Craniofacial Complex	Case presentation			
9:00	Case presentation				Case presentation				Seminar 6	
10:00									Orthodontic literature	
11:00										
12:00	Lunch Break		Lunch Break	Biostatistics	Lunch Break		Lunch Break		Lunch Break	
13:00										
14:00										
15:00										
16:00				Head and Neck Anatomy						

Semester 6, B

Week 14 – 20

	Monday		Tuesday		Wednesday		Thursday		Friday	
	6	B	6	B	6	B	6	B	6	B
8:00	Case presentation		Case presentation		Case presentation		Case presentation			
9:00										Seminar B
10:00									Orthodontic literature	
11:00										
12:00	Lunch Break		Lunch Break		Lunch Break		Lunch Break		Lunch Break	
13:00										
14:00										
15:00										
16:00										

Appendix E

Appendix E - Attach as Appendix E a schedule of department clinical sessions and treatment planning and evaluation sessions. Indicate the name of the supervisor(s) for each clinical session.

Clinical sessions and treatment planning and evaluation sessions ('Case presentation') are shown in the students' rosters in Appendix D.

Supervisors of clinical sessions:

Monday	Tuesday	Wednesday*	Thursday
A. Tsolakis	E. Bitsanis	M. Makou	D. Halazonetis
G. Damanakis	M. Sanoudos	I. Sifakakis	S. Yagtzis
A. Rontogianni	M. Karamolegkou	M. Nasika	K. Palaska
		D. Konstantonis	
		G. Angelopoulos	
		D. Koletsi	
		K. Palaska	

*Most of patients with special problems (syndromes, clefts, etc.) are treated on Wednesdays.

Number of patients under treatment by residents:

	New Patients	Clefts, syndromes*	Surgical**	Transfer Patients	Total Patients
Class 2012-2015					
Alina Cocos	60	3	9	45	105
Kostas Karamesinis	63	6	5	49	112
Alexis Katsadouris	60	5	7	52	112
Lydia Schoretsaniti	63	4	8	44	107
Class 2013-2016					
Anna Iliadi	76	3	2		76
Afroditi Kouli	69	2	2	1	70
Eleni Parcha	68	2	2	2	70
Panos Prevezanos	68	1	1	1	69

* Patients with clefts, syndromes or other craniofacial abnormalities

** Orthognathic surgery cases

Appendix F

Appendix F - Attach as Appendix F a list of publications and congress presentations of all residents over the last 7 years.

Congress presentations are listed for **international meetings only**.

Publications are listed for both Greek and International journals. Residents' names are in bold.

2009

Publications

1. **Chatziagianni A**, Halazonetis DJ. Geometric morphometric evaluation of cervical vertebrae shape and its relationship to skeletal maturation. *Am J Orthod Dentofacial Orthop* 2009;136:481.e1-9.
2. **Koletsis D**, Karagianni A, Pandis N, Makou M, Polychronopoulou A, Eliades T. Are studies reporting significant results more likely to be published? *Am J Orthod Dentofacial Orthop* 2009;136:632.e1-5.

In Greek

3. **Λύρος Ι**, Σαλμάν Ι, Καρούσης Ι, Τσάμη Α. Υπάρχει σχέση μεταξύ συνηθειών στοματικής υγιεινής και έτους προπτυχιακών σπουδών φοιτητών της Οδοντιατρικής Σχολής ΕΚΠΑ; *Παιδοδοντία* 2009;23:6-18.
4. Αγγελοπούλου Μ, **Κωλέτση Δ**, Ζαμπέλη Δ. Οιστρογονομιμητική δράση σύνθετων ρητινών. *Παιδοδοντία* 2009;23:56-65.

Congress Presentations

Poster presentations

5. **Koletsis D**, Halazonetis D. Cervical Vertebrae Anomalies in Orthodontic Patients. A Growth-Based Superimpositional Approach. Scientific Poster Presentation in the 85th Congress of the European Orthodontic Society (EOS), Helsinki, Finland, June 10-14, 2009.

2010

Publications

6. **Gkantidis N**, Christou P, Topouzelis N. The orthodontic-periodontic interrelationship in integrated treatment challenges: a systematic review. *J Oral Rehabil* 2010;37:377-90. doi: 10.1111/j.1365-2842.2010.02068.x.
7. **Koletsis DD**, Halazonetis DJ. Cervical vertebrae anomalies in orthodontic patients: a growth-based superimpositional approach. *Eur J Orthod* 2010;32:36-42. doi: 10.1093/ejo/cjp049.

In Greek

8. **Λύρος Ι**, Σαλμάν Ι, Μπιτσάνης Η. Ωφελιμότητα και περιορισμοί ορθοδοντικών εμφυτευμάτων. *Οδοντοστοματολογική Πρόοδος* 2010;64:284-293.
9. Αγγελοπούλου Μ, **Κωλέτση Δ**, Ουλής Κ. Πρωτόκολλο πρόληψης και αντιμετώπισης των οδοντικών και περιοδοντικών βλαβών για τον ορθοδοντικό ασθενή. *Παιδοδοντία* 2010;24:141-150.

Congress Presentations

Poster presentations

10. **Papamanou DA**, Christou P. Orofacial, craniofacial and general characteristics of LADD syndrome. 86th Congress of the European Orthodontic Society, Portorož, Slovenia, June 15-19, 2010.

2011**Publications**

11. **Gkantidis N**, Halazonetis DJ, Alexandropoulos E, Haralabakis NB. Treatment strategies for patients with hyperdivergent Class II Division 1 malocclusion: is vertical dimension affected? *Am J Orthod Dentofacial Orthop* 2011;140:346-55. doi: 10.1016/j.ajodo.2011.05.015.
12. **Gkantidis N**, Halazonetis DJ. Morphological integration between the cranial base and the face in children and adults. *J Anat* 2011;218:426-38. doi: 10.1111/j.1469-7580.2011.01346.x.

In Greek

13. **Λύρος Ι**, Κουτσουμπού Δ, Λαζαρίδη Κ, Λιγούτσικου Μ, Μπιτσάνης Η. Μέσα διατήρησης θεραπευτικού αποτελέσματος στην ορθοδοντική θεραπεία. *Οδοντοστοματολογική Πρόοδος* 2011;65:66-75.
14. **Λύρος Ι**, Κουτσουμπού Δ, Λαζαρίδη Κ, Λιγούτσικου Μ, Μπιτσάνης Η. Πρόγνωση αύξησης. *Οδοντοστοματολογική Πρόοδος* 2011;65:380-391.

Congress Presentations**Oral Presentations**

15. Tsolakis A, **Ferdianakis E**, **Lyros I**, **Koletsis D**, Kalavritinos M, Bitsanis I. Managing class III malocclusion. IAPD 2011-23rd Congress of the International Association of Paediatric Dentistry, 15-18 June 2011.

Poster presentations

16. **Lyros I**, **Ferdianakis E**, **Maroulakos M**, Tsolakis A, Bitsanis I. Orthodontic micro-implants. Presentation of different cases. IAPD 2011-23rd Congress of the International Association of Paediatric Dentistry, 15-18 June 2011.
17. Tentolouri I, **Lyros I**, Bovali E, Bitsanis I, Tsolakis A. Orthodontic treatment need of Sotos syndrome. A case report. IAPD 2011-23rd Congress of the International Association of Paediatric Dentistry, 15-18 June 2011.
18. Kapogianni I, **Kouli A**, **Lyros I**, Mavragani M. Root resorption during orthodontic treatment. IAPD 2011-23rd Congress of the International Association of Paediatric Dentistry, 15-18 June 2011.
19. **Kouli A**, **Schoretsaniti L**, **Maroulakos M**, Sifakakis I. Management of bonding complications due to dentinogenesis imperfecta during orthodontic treatment. 23rd Congress of International Association of Pediatric Dentistry, Athens, 15-18 June 2011.
20. **Koletsis D**, **Gkantidis N**, **Maroulakos M**, Tsolakis A. Treatment Outcome of Orthodontic uprighting of impacted mandibular molars: a systematic review. Scientific Poster Presentation in the 87th Congress of the European Orthodontic Society (EOS), Istanbul, Turkey, June 19-23, 2011.
21. Tsiouli K, **Maroulakos M**, **Koletsis D**, Tsolakis A, Bitsanis E. Failure of eruption of the maxillary second molar: aetiology and treatment planning. Scientific Poster Presentation in the 87th Congress of the European Orthodontic Society (EOS), Istanbul, Turkey, June 19-23, 2011.
22. **Koletsis D**, **Gkantidis N**, **Maroulakos M**, Tsolakis A. Orthodontic uprighting of mandibular terminal molars with unusual impaction. Clinical Poster Presentation in the 87th Congress of the European Orthodontic Society (EOS), Istanbul, Turkey, June 19-23, 2011.
23. **Lempesi E**, Mavragani M, Makou M. Prevalence of impactions in an orthodontic population. Comparison of treatment time between cases with impacted maxillary canines and non-impacted

- teeth. Scientific Poster Presentation in the 87th Congress of the European Orthodontic Society (EOS), Istanbul, Turkey, June 19-23, 2011.
24. **Lempesi E**, Mavragani M, Makou M. Combination appliance for rapid palatal expansion and impacted canine's traction: a case report. Clinical Poster Presentation in the 87th Congress of the European Orthodontic Society (EOS), Istanbul, Turkey, June 19-23, 2011.
 25. **Papamanou DA**, **Gkantidis N**, Topouzelis N, Christou P. Professionals' and laypersons' appreciation of cleft lip and palate treatment outcome. 87th Congress of the European Orthodontic Society, Istanbul, Turkey, June 19-23, 2011 (Candidate for the Houston Poster Award).
 26. **Papamanou DA**, **Gkantidis N**, **Dorotheou D**, **Karamolegkou M**, Kiliaridis S, Christou P. Evaluation of treatment outcome in patients with cleft lip and/or palate. 87th Congress of the European Orthodontic Society, Istanbul, Turkey, June 19-23, 2011.
 27. **Anthopoulou C**, Christou P. Root resorption on endodontically treated teeth submitted to orthodontic movement. 87th Congress of the European Orthodontic Society, Istanbul, Turkey, June 19-23, 2011.
 28. **Anthopoulou C**, **Ferdianakis E**, Schimmel M, Halazonetis D, Christou P. Effect of malocclusion on chewing efficiency. 87th Congress of the European Orthodontic Society, Istanbul, Turkey, June 19-23, 2011.
 29. **Ferdianakis E**, **Anthopoulou C**, Schimmel M, Halazonetis D, Christou P. Does malocclusion affect the masticatory muscles? 87th Congress of the European Orthodontic Society, Istanbul, Turkey, June 19-23, 2011.
 30. Angelopoulou M, **Koletsis D**, Vadiakas G, Halazonetis DJ. Induced ankylosis of a primary molar for mesial protraction of permanent molar. Scientific Poster Presentation in the 23rd Congress of the International Association of Paediatric Dentistry (IAPD), Athens, Greece, June 15-18, 2011.
 31. **Lempesi E**, Kolomvos N, Koleventi A, Mavragani M, Makou M, Alexandridis C. Extraction of an impacted mandibular second premolar in two steps: a case report. Scientific Poster Presentation in the 23rd Congress of the International Association of Paediatric Dentistry (IAPD), Athens, Greece, June 15-18, 2011.
 32. **Lempesi E**, **Karamolegou M**, Mavragani M, Makou M. Maxillary canine's impaction at orthodontic patients with and without agenesis. A demographic study. Scientific Poster Presentation in the 23rd Congress of the International Association of Paediatric Dentistry (IAPD), Athens, Greece, June 15-18, 2011.
 33. **Prevezanos P**, **Papamanou DA**, Kavvadia E, Makou M. Oral manifestations and orthodontic treatment of a girl with a history of acute lymphoblastic leukemia. 23rd Congress of the International Association of Paediatric Dentistry (IAPD), Athens, Greece, June 15-18, 2011.
 34. Charalampakis O, **Papamanou DA**, Charalampakis N. Delayed tooth eruption in a patient with cerebral palsy. 23rd Congress of the International Association of Paediatric Dentistry (IAPD), Athens, Greece, June 15-18, 2011.

2012

Publications

35. AlSamak S, **Gkantidis N**, Bitsanis E, Christou P. Assessment of potential orthodontic mini-implant insertion sites based on anatomical hard tissue parameters: a systematic review. *Int J Oral Maxillofac Implants* 2012;27:875-87.

36. **Gkantidis N**, Zinelis S, **Karamolegkou M**, Eliades T, Topouzelis N. Comparative assessment of clinical performance of esthetic bracket materials. *Angle Orthod* 2012;82:691-7. doi: 10.2319/092511-605.1.
37. **Papamanou DA**, **Gkantidis N**, Topouzelis N, Christou P. Appreciation of cleft lip and palate treatment outcome by professionals and laypeople. *Eur J Orthod* 2012;34:553-60.
38. **Koletsis D**, Pandis N, Polychronopoulou A, Eliades T. Does published orthodontic research account for clustering effect during statistical data analysis? *Eur J Orthod* 2012;34:287-92.
39. **Koletsis D**, Pandis N, Polychronopoulou A, Eliades T. Mislabeling controlled clinical trials (CCT's) as "randomized clinical trials (RCT's)" in dental specialty journals. *J Evid Based Dent Pract* 2012;12:124-30.
40. **Koletsis D**, Pandis N, Polychronopoulou A, Eliades T. What's in a title? An assessment of whether randomized controlled trial in a title means that it is one. *Am J Orthod Dentofacial Orthop* 2012;141:679-85.

In Greek

41. **Λύρος Ι**, Σαλμάν Ι, Καρούσης Ι, Τσάμη Α. Ορθοδοντική και Περιοδοντολογία, δύο άρρηκτα συνεργαζόμενες ειδικότητες στους έφηβους. *Παιδοδοντία* 2012;26:89-100.
42. **Κωλέτση Δ**, Παπαδοπούλου Ε, Ουλής Κ, Χαλαζωνίτη Μ. Ανόρθωση ημιέγκλειστων γομφίων της κάτω γνάθου με την τεχνική Halterman: Παρουσίαση δύο περιστατικών. *Παιδοδοντία* 2012:26.

Congress Presentations

Poster presentations

43. **Papamanou D**, Tsourakis A, Halazonetis D. Morphological correlation among craniofacial shape, mandibular shape and shape of the genial symphysis. Scientific Poster Presentation, 88th Congress of the European Orthodontic Society, Santiago de Compostela (Spain), June 18-23, 2012.
44. **Koletsis D**, Pandis N, Polychronopoulou A, Eliades T. Mislabeling clinical trials as randomized clinical trials (RCTs) in orthodontic journals. How big of a problem? Scientific Poster Presentation in the 112th Annual Session of the American Association of Orthodontists (AAO) in Honolulu, Hawaii, USA. May 4-8, 2012.
45. **Papamanou DA**, Tsourakis AK, Halazonetis DJ. Morphological correlation among craniofacial shape, mandibular shape and shape of the genial symphysis. Scientific Poster Presentation, 112th Annual Session of the American Association of Orthodontists (AAO) in Honolulu, Hawaii, USA. May 4-8, 2012.

2013

Publications

46. Konstantonis D, **Anthopoulou C**, Makou M. Extraction decision and identification of treatment predictors in Class I malocclusions. *Prog Orthod* 2013;14:47. doi: ghgg10.1186/2196-1042-14-47. Recommended by Resident's journal review Ravinda Nanda, Dan Grauer. *Am J Orthod Dentofacial Orthop*, Vol. 145, Issue 5, p566–568, Published in issue: May, 2014
47. **Polychronis G**, Christou P, Mavragani M, Halazonetis DJ. Geometric morphometric 3D shape analysis and covariation of human mandibular and maxillary first molars. *Am J Phys Anthropol* 2013;152:186-96. doi: 10.1002/ajpa.22340.

48. **Dorotheou D, Gkantidis N, Karamolegkou M**, Kalyvas D, Kiliaridis S, Kitraki E. Tooth eruption: altered gene expression in the dental follicle of patients with cleidocranial dysplasia. *Orthod Craniofac Res* 2013;16:20-7. doi: 10.1111/ocr.12000.
49. **Gkantidis N, Papamanou DA**, Christou P, Topouzelis N. Aesthetic outcome of cleft lip and palate treatment. Perceptions of patients, families, and health professionals compared to the general public. *J Craniomaxillofac Surg* 2013;41:e105-10. doi: 10.1016/j.jcms.2012.11.034.
50. **Gkantidis N**, Sanoudos M. Lower anterior crowding correction by a convenient lingual method. *J Esthet Restor Dent* 2013;25:96-100. doi: 10.1111/j.1708-8240.2012.00529.x.
51. Alsamak S, Psomiadis S, **Gkantidis N**. Positional guidelines for orthodontic mini-implant placement in the anterior alveolar region: a systematic review. *Int J Oral Maxillofac Implants* 2013;28:470-9. doi: 10.11607/jomi.2659.
52. Fleming PS, **Koletsi D**, Polychronopoulou A, Eliades T, Pandis N. Are clustering effects accounted for in statistical data analysis in leading dental specialty journals? *J Dent* 2013;41:265-70.
53. Nikitakis NG, Emmanouil D, **Maroulakos MP**, Angelopoulou MV. Giant cell fibroma in children: report of two cases and literature review. *J Oral Maxillofac Res* 2013;4(1):e5. doi: 10.5037/jomr.2013.4105.

In Greek

54. **Λύπος Ι**, Φόρα Ε, Νασίκα Μ, Μάκου Μ. Ορθοδοντική θεραπεία παιδιού με Σύνδρομο Down. *Παιδοδοντία* 2013;27:92-97.

Congress Presentations

Poster presentations

55. **Katsadouris A, Ferdianakis E**, Tzouanaki A, **Lyros I**, Tsolakis A. Lower incisor extraction as a viable solution during the orthodontic treatment. Presentation of two clinical cases. EAPD 2013 - 8th Interim Seminar & Workshop of the European Academy of Paediatric Dentistry, 18-20 April, Limassol, Cyprus.
56. Tzouanaki A, **Ferdianakis E, Katsadouris A, Lyros I**, Tsolakis A. Class II Division 1: Diagnosis, treatment and follow up. Presentation of two clinical cases. EAPD 2013 - 8th Interim Seminar & Workshop of the European Academy of Paediatric Dentistry, 18-20 April, Limassol, Cyprus.
57. **Ferdianakis E, Lyros I, Katsadouris A**, Tzouanaki A, Tsolakis A. Posterior Crossbite: Diagnosis, treatment and follow-up: Presentation of two clinical cases. EAPD 2013 - 8th Interim Seminar & Workshop of the European Academy of Paediatric Dentistry, 18-20 April, Limassol, Cyprus.
58. Babatzia A, Spanou A, **Maroulakos M**, Tsolakis A: Anterior Open-bite: Diagnosis, interceptive treatment and follow-up evaluation. A case report. 8th Interim Seminar & Workshop of European Academy of Paediatric Dentistry. Cyprus, 18-20 April 2013.

2014

Publications

59. **Anthopoulou C**, Konstantonis D, Makou M. Treatment outcomes after extraction and non-extraction treatment evaluated with the American Board of Orthodontics objective grading system. *Am J Orthodo Dentofacial Orthop* 2014;146:717-23.
60. **Valla K**, Halazonetis DJ. Correlation of 2D:4D digit ratio and craniofacial shape in prepubertal children. *Am J Hum Biol* 2014;26:337-46. doi: 10.1002/ajhb.22512.

61. **Polychronis G**, Halazonetis DJ. Shape covariation between the craniofacial complex and first molars in humans. *J Anat* 2014;225:220-31. doi: 10.1111/joa.12202.
62. **Lempesi E, Karamolegkou M**, Pandis N, Mavragani M. Maxillary canine impaction in orthodontic patients with and without agenesis: a cross-sectional radiographic study. *Angle Orthod* 2014;84:11-7. doi: 10.2319/022413-155.1.
63. **Lempesi E**, Pandis N, Fleming PS, Mavragani M. A comparison of apical root resorption after orthodontic treatment with surgical exposure and traction of maxillary impacted canines versus that without impactions. *Eur J Orthod* 2014;36:690-7. doi: 10.1093/ejo/cjt099.
64. **Lempesi E**, Koletsi D, Fleming PS, Pandis N. The reporting quality of randomized controlled trials in orthodontics. *J Evid Based Dent Pract* 2014;14:46-52.
65. **Vasoglou M**, Chrysomali E, Zinelis S, Bitsanis I, Haralambakis N, Makou M, Eliades G. Retrieval analysis of immediately loaded orthodontic mini-implants: material and tissue characterization. *Eur J Orthod* 2014;36:683-9. doi: 10.1093/ejo/cjt097.
66. **Iliadi A**, Baumgartner S, Athanasiou AE, Eliades T, Eliades G. Effect of intraoral aging on the setting status of resin composite and glass ionomer orthodontic adhesives. *Am J Orthod Dentofacial Orthop* 2014;145:425-33. doi: 10.1016/j.ajodo.2013.11.020.
67. **Lyros I**, Fora E, Damaskos S, Stanko P, Tsolakis A. An incidental finding on CBCT of an orthodontic patient. *Aust Orthod J* 2014;30:67-71.

In Greek

68. Κωλέτση Δ, **Βαλλά Κ, Λεμπέση Ε**. Ιη Τάξη 1η κατηγορία. Θεραπευτική προσέγγιση σε μια ή δυο φάσεις; *Ελληνικό Περιοδικό Ορθοδοντικής* 2014;2:8-20.

Congress Presentations

Poster presentations

69. **Polychronis G**, Halazonetis DJ. Covariation of the shape of the human craniofacial complex and first molars. 90th Congress of the European Orthodontic Society, Warsaw, Poland, June 18-22, 2014.
70. **Valla K**, Halazonetis DJ. Correlation of 2D:4D digit ratio and craniofacial shape in prepubertal children. 90th Congress of the European Orthodontic Society, Warsaw, Poland, June 18-22, 2014.
71. **Iliadi A**, Gugger J, Eliades T, Zinelis S, Eliades G. Mechanical properties of adhesives used for fixed retainer bonding. 90th Congress of the European Orthodontic Society, Warsaw, Poland, June 18-22, 2014.
72. **Iliadi A**, Herzog C, Baumgartner S, Eliades T, Eliades G. Methodological variation in assessing the setting of orthodontic adhesive resins. 90th Congress of the European Orthodontic Society, Warsaw, Poland, June 18-22, 2014.
73. **Iliadi A**, Katsaros C, Kloukos D, Pandis N, Pazera P. Bond failure of fixed orthodontic retainers: a systematic review. 90th Congress of the European Orthodontic Society, Warsaw, Poland, June 18-22, 2014.
74. **Maroulakos MP**, Khaldi L, Dontas I, Makou M, Tsolakis A. The influence of rheumatoid arthritis in the temporomandibular joint. Expression of human disease in tnf- α transgenic mouse model. A histological pilot study. 90th Congress of the European Orthodontic Society, Warsaw, Poland, June 18-22, 2014.
75. Angelopoulos G, **Kouli A**. Implant site development through 'orthodontic extraction'. 90th Congress of the European Orthodontic Society, Warsaw, Poland, June 18-22, 2014.

76. **Prevezanos P**, Tsolakis A, **Maroulakos MP**, Damanakis G, Christou P. Treatment options of maxillary lateral incisors agenesis. Critical appraisal through clinical cases. 90th Congress of the European Orthodontic Society, Warsaw, Poland, June 18-22, 2014.

2015

Publications

77. Baumgartner S, **Iliadi A**, Eliades T, Eliades G. An in vitro study on the effect of an oscillating stripping method on enamel roughness. *Progress in Orthodontics* 2015;16:1.

In Greek

78. **Λεμπέση Ε**, **Ηλιάδη Α**, Κωλέτση Δ. Παράγοντες κινδύνου απορρόφησης ρίζας κατά την ορθοδοντική θεραπεία. *Ελληνικό Περιοδικό Ορθοδοντικής* 2015;3. In press.

Congress Presentations

Accepted for Poster presentation

79. Konstantonis D, **Anthopoulou C**, Makou M. Extraction rate and identification of evidence based treatment predictors in class I malocclusions. 91st Congress of the European Orthodontic Society, Venice, Italy, June 2015. (Scientific Poster)
80. **Karamesinis K**, Diamantatou T, Konstantonis D, Makou M, Kourtis S. Aiming to perfection by posing a multidisciplinary approach for patients with teeth in doubtful prognosis. 91st Congress of the European Orthodontic Society, Venice, Italy, June 2015. (Clinical Poster)
81. **Kouli A**, Angelopoulos G. Innovative approach to manage early ankylosed primary molar with permanent successor. 91st Congress of the European Orthodontic Society, Venice, Italy, June 2015. (Clinical Poster)
82. Spanou A, **Valla K**, Halazonetis DJ. Correlation of second digit to fourth digit ratio and craniofacial shape in a non growing population. 91st Congress of the European Orthodontic Society, Venice, Italy, June 2015. (Scientific Poster)
83. **Iliadi A**, D Papadogiannis D, Eliades T, Eliades G. Mechanical properties of BPA-free lingual retainer adhesives. 91st Congress of the European Orthodontic Society, Venice, Italy, June 2015. (Scientific Poster)
84. Papadopoulou A, **Iliadi A**, Sifakakis I, Eliades T, Kletsas D. Comparison of human periodontal ligament responses to cyclic and static mechanical stimulation. 91st Congress of the European Orthodontic Society, Venice, Italy, June 2015. (Scientific Poster)
85. **Kouli A**, Halazonetis DJ. Mandibular flexure measured by 3D digital cast analysis: a pilot study. 91st Congress of the European Orthodontic Society, Venice, Italy, June 2015. (Scientific Poster)
86. **Karamesinis K**, **Katsadouris A**, **Cocos A**, Paschalidi P, Kalyvas D. Autotransplantation using 3D-printed models: case reports. 91st Congress of the European Orthodontic Society, Venice, Italy, June 2015. (Clinical Poster)
87. **Cocos A**, **Karamesinis K**, **Katsadouris A**, **Schoretsaniti L**, Halazonetis DJ. Maxillary first molar movement under application of cervical headgear: a pilot study. 91st Congress of the European Orthodontic Society, Venice, Italy, June 2015. (Scientific Poster)
88. **Karamesinis K**, **Cocos A**, **Katsadouris A**, **Schoretsaniti L**, Bitsanis E. Objective assessment of patients' compliance during cervical headgear treatment: a pilot study. 91st Congress of the European Orthodontic Society, Venice, Italy, June 2015. (Scientific Poster)

89. **Cocos A**, Tsolakis A, Halazonetis DJ. Geometric morphometric analysis shows different craniofacial shape in subjects with tooth agenesis. 91st Congress of the European Orthodontic Society, Venice, Italy, June 2015. (Scientific Poster)
90. Damanakis G, **Karamesinis K**, **Cocos A**, Tsolakis A, Makou M. Indications, advantages and limitations of the Invisalign system. Cases presentation. 91st Congress of the European Orthodontic Society, Venice, Italy, June 2015. (Clinical Poster)
91. **Prevezanos P**, Xirouchaki F, Tsolakis A. Investigation of cleaning methods for removable orthodontic appliances among Greek orthodontists. 91st Congress of the European Orthodontic Society, Venice, Italy, June 2015. (Scientific Poster)
92. Marinaki L, Paschalidi P, **Katsadouris A**, Tsolakis AI. Is early treatment of orthodontic patients still necessary? 91st Congress of the European Orthodontic Society, Venice, Italy, June 2015. (Clinical Poster)

Accepted for Oral Presentation

93. **Katsadouris A**, Halazonetis DJ. Do patients with different craniofacial patterns grow differently? 91st Congress of the European Orthodontic Society, Venice, Italy, June 2015.
94. Konstantonis D, **Anthopoulou C**, Makou M. Do extraction cases achieve better treatment results? 91st Congress of the European Orthodontic Society, Venice, Italy, June 2015.

Appendix G

Appendix G - Attach as an Appendix a list of names of research supervisors and a CV.

Research supervisors are usually staff of the Orthodontic Department, but can be any staff member of the School of Dentistry or of the Medical School. The list below shows those staff members that are most frequently involved, either as supervisors or co-supervisors.

List of Research Supervisors:

Name	Department	CV
M. Makou	Orthodontic	Appendix J
D. Halazonetis	Orthodontic	Appendix J
E. Bitsanis	Orthodontic	Appendix J
A. Tsolakis	Orthodontic	Appendix J
I. Sifakakis	Orthodontic	Appendix J
E. Kitraki	Basic Sciences	http://en.dent.uoa.gr/faculty-and-staff/dental-faculty/kitraki-efthymia.html
H. Vastardis	Oral Biology	http://en.dent.uoa.gr/faculty-and-staff/dental-faculty/vastardis-heleni.html and following pages
G. Eliades	Biomaterials	http://www.dent.uoa.gr/hr/greek-cv/hliadhs-georgios.html

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Education / Qualifications

- 1986-1991: D.D.S., Valedictorian, School of Dentistry, NKUA
- 1992: Research Fellow, Department of Orthodontics, Kjaer Laboratory, University of Copenhagen, Denmark
- 1992-1996: Clinical specialty training in Orthodontics, Harvard School of Dental Medicine, Boston, MA, USA
- 1992-1996: D.M.Sc. (equivalent to Ph.D.) in Oral Biology, Harvard Medical School
- 1996-1997: Postdoctoral training, Seidman Lab & Tabin Lab, Department of Genetics, Harvard Medical School

Academic and professional positions held

- 1996-1997: Clinical Instructor in Orthodontics, Harvard School of Dental Medicine
- 1996-1997: Associate, Howard Hughes Medical Institute
- 1997-2000: Lecturer in Orthodontics, Harvard School of Dental Medicine
- 1997-2000: Assistant Professor, Division of Basic Sciences and Division of Growth and Developmental Sciences (Orthodontics), New York University College of Dentistry
- 2000-2005: Visiting Assistant Professor, Department of Orthodontics, School of Dentistry, NKUA
- 2000-2010: Assistant Research Professor, Department of Orthodontics, Tufts University School of Dental Medicine
- 2009- present: Assistant Professor, Department of Oral Biology, School of Dentistry, NKUA

Academic and professional responsibilities***Didactic***

- Undergraduate: Biology – Genetics, School of Dentistry, NKUA
- Postgraduate: Morphogenesis of the craniofacial complex (coordination- lectures), Dysmorphogenesis and syndromes of the craniofacial complex (coordination- lectures), Head and Neck Anatomy and Physiology (lectures), School of Dentistry, NKUA

Administrative

- Member in Postgraduate Education Committee, Financial Committee, and Ethics Committee, School of Dentistry, NKUA.

Research Grants and Contracts

- 1995-1996: TELP Fellowship Award, American Association of Orthodontists Foundation (Principal Investigator, P.I)
- 1997-1998: Biomedical Research Award, American Association of Orthodontists Foundation (P.I)

- 1997: Start-up funding for setting up a basic science laboratory, New York University School of Dentistry (P.I)
- 1997-1998: Dean's Research Award, New York University College of Dentistry (P.I)
- 1998-1999: Research Challenge Fund, New York University (P.I)
- 1998-1999: Biomedical Research Award, American Association of Orthodontists Foundation (P.I)
- 1999-2001: Basil O' Connor Research Award, March of Dimes Birth Defects Foundation (P.I)
- 1999-2005: National Institute of Health (NIH/NIDCR K23DE00422) (co-P.I)
- 2000-2001: Hellenic Scholarship Foundation (P.I)
- 2001-2003: Biomedical Research Award, American Association of Orthodontists Foundation (co-P.I)
- 2002-2005: March of Dimes Birth Defects Foundation (co-P.I)
- 2002-2005: National Institute of Health (NIH/NIDCR DE 014649-01) (co-P.I)
- 2004-2009: National Institute of Health (NIH/NIDCR RO1 DE016107-01) (co-P.I)
- 2009-2011: Eea grants (Agreement between the Financial Mechanism Committee established by Iceland, Liechtenstein and Norway and the Ministry of Economy and Finance of the Hellenic Republic) (co-P.I)
- 2012-2013: T. Koulouridis Foundation (supported by P & G) (P.I)

Awards and Honours

- 1986-1990: National Hellenic Scholarship Foundation Award
- 1987-1990: Seaman's Welfare
- 1988-1991: Papadakis Scholarship Foundation Award
- 1992: Lilian Voudouris Foundation Award
- 1992-1994: National Hellenic Scholarship Foundation Award
- 1993: Hellenic Harvard Club Award
- 1994: Gerondelis Scholarship Foundation Award
- 1995: Alexander S. Onassis Foundation Award
- 1995: TELP Fellowship Award, American Association of Orthodontists Foundation
- 1996: Joseph L. Henry Award, Harvard School of Dental Medicine
- 1997: Dean's Faculty Research Fund, New York University College of Dentistry
- 1997: Biomedical Research Award, American Association of Orthodontists Foundation
- 1997: Award of Special Merit, American Association of Orthodontists
- 1998: New York University Research Challenge Fund, New York University College of Dentistry
- 1998: Biomedical Research Award, American Association of Orthodontists Foundation
- 1998: Finalist, E. H. Hatton Award Competition, AADR
- 1999: Dean's Faculty Research Fund, New York University College of Dentistry
- 1999: Basil O' Connor Starter Scholar Award, March of Dimes Birth Defects Foundation
- 1999: Pew Scholars Program in the Biomedical Sciences Nominee, New York University

- 1999: Searle Scholars Program Nominee, New York University
- 2000: Best poster presentation, 76th Congress, European Orthodontic Society
- 2000-2001: National Hellenic Scholarship Foundation Award

Memberships

- 1991-2000: Dental Society of Attica, Greece
- 1991-today: Harvard Society for the Advancement of Orthodontics
- 1991-today: American Dental Association
- 1991-today: American Association of Orthodontists
- 1994-today: American Association for Dental Research
- 1994-today: International Association for Dental Research
- 1996-today: Hellenic Association of Medical Geneticists
- 1999-today: Greek Association for Orthodontic Study & Research
- 1999-today: European Orthodontic Society
- 2000-today: Hellenic Society of Odontostomatological Research
- 2007-2012: Diplomate, American Board of Orthodontics

Research Theses - Books

- Genetic Approaches to Understanding Tooth Development. A Human MSX1 Homeodomain Missense Mutation Causes Selective Tooth Agenesis. (Doctoral degree thesis, 1991)
- Craniosynostosis: Phenotype, diagnosis, surgical correction, research. From the operating room to the laboratory bench. (Research monograph, 2002)

Selected publications in scientific journals

- Morphological study of the fetal development of the human mandible. Radlanski RJ, Kjaer I, Vastardis H, Renz H. *Fortschr Kieferorthop* 55(2):77-83,1994.
- Evaluation of cervical spine abnormalities on cephalometric radiographs. Vastardis H, Evans CA. *Am J Orthod Dentofac Orthop* 109:581-8,1996.
- A human MSX1 homeodomain missense mutation causes selective tooth agenesis. Vastardis H, Karimbux N, Guthua SW, Seidman JG, Seidman CE. *Nature Genet* 13:417-21,1996.
- Haploinsufficiency of MSX1: A mechanism for selective tooth agenesis. Hu GZ*, Vastardis H*, Bendall AJ*, Wang Z, Logan MP, Zhang H, Stein S, Greenfield N, Seidman CE, Seidman JG, Abate-Shen C. *Mol Cell Biol* 18(10):6044-6051,1998.* Authors contributed equally
- Human NELL-1 expressed in unilateral coronal synostosis. Ting K, Vastardis H, Mulliken JB, Soo C, Tieu A, Do H, Kwong E, Bertolami CN, Kawamoto H, Kuroda S, Longaker MT. *J Bone Miner Res* 14(1): 80-89,1999.
- The genetics of human tooth agenesis: New discoveries for understanding dental anomalies. Vastardis H. *Am J Orthod Dentofac Orthop* 117(6):650-656,2000.
- Overexpression of Nell-1, a craniosynostosis-associated gene, induces apoptosis in osteoblasts during craniofacial development. Zhang X, Carpenter D, Bokui N, Soo C, Miao S, Truong T, Wu B, Chen I, Vastardis H, Tanizawa K, Kuroda S, Ting K. *J Bone Miner Res* 18(12):2126-34,2003.

- Unilateral coronal synostosis: a histomorphometric study. Vastardis H, Mulliken JB, Glowacki J. *Cleft Palate Craniofac J* 41(4):439-446,2004.
- Expression of stem cell factor and its receptor, c-kit, in oral mesenchymal cells. Gagari E, Rand MK, Tayari L, Vastardis H, Sharma P, Hauschka PV and Damoulis PD. *J Oral Sci* 114:409-415,2006.
- Periodontitis associated with Hajdu-Cheney syndrome. Bazopoulou-Kyrkanidou E, Vrahopoulos TP, Eliades G, Vastardis H, Tosios K, Vrotsos IA. *J Periodontol* 78(9):1831-1838,2007.
- Cephalometric Evaluation of the Craniofacial Complex in Patients Treated with an Intra-oral Distraction Osteogenesis Device. A Long Term Study. Chow A, Lee H-F, Trahar M, Kawamoto H, Vastardis H, Ting K. *Am J Orthod Dentofac Orthop* 134(6):724-731,2008.
- Revisiting the morphogenesis of the human lower lip: An overlooked paradigm. Vastardis H, Spyropoulos MN. *Front Physiol* 3:333,2012.
- Endoplasmic reticulum stress-associated chaperones, Bip/GRP78 and calnexin are overexpressed in keratocystic odontogenic tumours. Pavli M, Farmaki E, Merkourea S, Vastardis H, Sklavounou A, Tzerbos F, Chatzistamou I. *J Oral Maxillofac Res* 1:5(1),2014.

Areas of scientific interest

Cranio-oro-facial development and genetics

Appendix H

Appendix H - Attach as Appendix H an overview of the assessment procedures.

Each resident is assigned a staff member who acts as advisor during the programme. The advisor is usually, but not necessarily, also the advisor for the research project undertaken by the resident. Advisors are responsible for helping the residents during their studies, providing constructive feedback and ensuring maximization of each resident's potential.

Residents are evaluated at multiple time points during the programme:

Semester exams: written exams taken at the end of each semester on all core courses. Graded 0 to 10. Passing grade is 7.

Semester evaluation: Residents are evaluated by all staff members at the end of each semester regarding their clinical work and their performance during seminars, case presentation sessions and literature review sessions.

Final evaluation consists of the following:

Final exams: taken at the end of the programme on orthodontic topics. An external examiner is present.

Case presentation: Each resident must present 10 finished cases. Cases are displayed for evaluation by all staff members. An external examiner is present.

Research presentation: Each resident must present the final results of their research project in an open hearing. An external examiner is present.

Research publication: Each resident must submit their work for publication to a peer-reviewed journal and present their work at an orthodontic meeting, preferably the EOS congress.

Appendix I

Appendix I - Attach as Appendix I a resident evaluation form.

See following pages (translated from Greek).

Department of Orthodontics - Resident evaluation form

Name: _____	Evaluation period: _____
Date: _____	

1: Requires improvement, 2: Satisfactory, 3: Excellent

Clinical performance

	1	2	3	Comments
Quality of clinical work				
Efficiency				
Patient communication				
Hygiene - disinfection, sterilization				
Patient records - electronic database				
Collaboration with teaching staff				
Collaboration with auxiliary staff				

Performance in theoretical courses

	1	2	3	Comments
Participation during seminars				
Case presentation				
Core courses				
Orthodontic courses				

Research project

	1	2	3	Comments
Quality of research work				
Quality of thesis and written papers				
Capacity to solve problems and overcome difficulties				
Efficiency and planning				

Professional attitude and cooperativeness

	1	2	3	Comments
Response to criticism				
Cooperation with fellow students and students/staff from other departments				

Achievement of previous targets**Points needing improvement****Future targets**

Appendix J

Appendix J - Attach as Appendix J the curriculum vitae of the programme director and all teaching staff.

**Margarita Makou**

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Education:

- 1970 – 1974 Athens University Dental School, Athens, Greece. Dental degree (DDS).
- 1977 – 1979 H. Goldman School of Graduate Dentistry, Boston University, USA. Certificate in Orthodontics.
- 1979 – 1981 H. Goldman School of Graduate Dentistry, Boston University, USA. Master of Science degree (MS).
- 1983 – 1986 Athens University Dental School, Athens Greece. Doctorate degree.

Orthodontic practice:

In private practice since 1983.

Teaching experience:

1981 – present: Teaching at the undergraduate and postgraduate program of the Orthodontic Department of Athens University Dental School, Athens, Greece.

Academic Positions (Orthodontic Dept., University of Athens Dental School, Athens, Greece):

- 1981 -1988 Scientific Collaborator
- 1988 – 1994 Lecturer
- 1994 – 2005 Assistant Professor
- 2005 – 2012 Associate Professor
- 2012 – present Professor

Research Grants and Awards:

- 2004 FEO award for best paper in a European national journal «Comparative study of the effect of in vitro and in vivo aging on morphology, microstructure and elemental composition of Nickel-Titanium orthodontic archwires».
- 2010 Research grant “Koulourides” for a collaboration between the Departments of Orthodontics, Paediatric Dentistry and Periodontology.

Member of:

- European Orthodontic Society
- Greek Association for Orthodontic Study and Research
- Greek Orthodontic Society
- Hellenic Dental Association
- Hellenic Society of Odontostomatological Research
- American Association of Orthodontists
- World Federation of Orthodontists
- Greek Association for Study of Clefts and Facial Dysmorphias

- Greek Association of Community Dentistry
- Greek Association for Disability

Congress Presentations:

More than 60 presentations at Greek and International Meetings.

Selected Publications:

- Anthopoulou C, Konstantonis D, Makou M. Treatment outcomes after extraction and nonextraction treatment evaluated with the American Board of Orthodontics objective grading system. *Am J Orthod Dentofacial Orthop* 2014;146(6):717-23.
- Konstantonis D, Papadopoulou A, Makou M, Eliades T, Basdra E, Kletsas D. The role of cellular senescence on the cyclic stretching-mediated activation of MAPK and ALP expression and activity in human periodontal ligament fibroblasts. *Gerontol* 2014;57:175-80.
- Vasoglou M, Chrysomali E, Zinelis S, Bitsanis I, Haralambakis N, Makou M, EpsilonIiades G. Retrieval analysis of immediately loaded orthodontic mini-implants: material and tissue characterization. *Eur J Orthod* 2014;36(6):683-9.
- Konstantonis D, Anthopoulou C, Makou M. Extraction decision and identification of treatment predictors in Class I malocclusions. *Prog Orthod* 2013;14:47.
- Konstantonis D, Anthopoulou C, Makou M. Extraction decision and identification of treatment predictors in Class I malocclusions. *Prog Orthod* 2013;14:47. doi: 10.1186/2196-1042-14-47.
- Konstantonis D, Papadopoulou A, Makou M, Eliades T, Basdra EK, Kletsas D. Senescent human periodontal ligament fibroblasts after replicative exhaustion or ionizing radiation have a decreased capacity towards osteoblastic differentiation. *Biogerontology* 2013;14(6):741-51. doi: 10.1007/s10522-013-9449-0.
- Sifakakis I, Pandis N, Makou M, Eliades T, Katsaros C, Bourauel C. Torque efficiency of different archwires in 0.018- and 0.022-inch conventional brackets. *Angle Orthod* 2014;84(1):149-54. doi: 10.2319/021713-138.1.
- Tsolakis AI, Khaldi L, Bitsanis I, Makou M, Dontas IA. Distraction-like phenomena in maxillary bone due to application of orthodontic forces in ovariectomized rats. *Indian J Dent Res* 2012;23(4):501-5.
- Sifakakis I, Pandis N, Makou M, Eliades T, Katsaros C, Bourauel C. Torque expression of 0.018 and 0.022 inch conventional brackets. *Eur J Orthod* 2013;35(5):610-4.
- Sifakakis I, Pandis N, Makou M, Eliades T, Katsaros C, Bourauel C. A comparative assessment of torque generated by lingual and conventional brackets. *Eur J Orthod* 2013;35(3):375-80. doi: 10.1093/ejo/cjs029.
- Papaioannou W, Panagopoulos A, Koletsi-Kounari H, Kontou E, Makou M. Adhesion of *Porphyromonas gingivalis* and Biofilm Formation on Different Types of Orthodontic Brackets. *Int J Dent* 2012;2012:471380. doi: 10.1155/2012/471380.
- AlSamak S, Bitsanis E, Makou M, Eliades G. Morphological and structural characteristics of orthodontic mini-implants. *J Orofac Orthop* 2012;73(1):58-71. doi: 10.1007/s00056-011-0061-0.
- Ali O, Makou M, Papadopoulos T, Eliades G. Laboratory evaluation of modern plastic brackets. *Eur J Orthod* 2012;34(5):595-602.

**Demetrios Halazonetis**

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Education:

- 1979 - 1984 Athens University Dental School, Athens, Greece. Dental degree (DDS).
- 1984 - 1986 Tufts University, Boston, MA. Certificate in Orthodontics.
- 1985 - 1986 Tufts University, Boston, MA. Master of Science degree (MS).
- 1989 - 1994 Athens University Dental School, Athens Greece. Doctorate degree.

Orthodontic practice:

Clinical practice at the orthodontic clinic of the 251 Air Force General Hospital, Athens, Greece for 17 months, during military duties. In private practice since 1987.

Teaching experience:

1992 – present Teaching at the undergraduate and postgraduate program of the Orthodontic Department of Athens University Dental School, Athens, Greece.

Academic Positions:

- 1998 – 1999 Research Scientist, Orthodontic Dept., University of Athens Dental School, Athens, Greece.
- 2002 – 2009 Assistant Professor, Orthodontic Dept., University of Athens Dental School, Athens, Greece.
- 2009 – present Associate Professor, Orthodontic Dept., University of Athens Dental School, Athens, Greece.

Other activities:

- Invited lecturer at the University of Geneva, Switzerland, and the University of Radboud, Nijmegen, The Netherlands.
- Associate Editor of the American Journal of Orthodontics and Dentofacial Orthopedics.
- Member of the editorial board of the European Journal of Orthodontics.
- Author of cephalometric computer program (Viewbox) available commercially.

Scientific reviewer of more than 25 peer-reviewed Journals, including:

- American Journal of Orthodontics and Dentofacial Orthopedics
- Angle Orthodontist.
- European Journal of Orthodontics.
- Orthodontics and Craniofacial Research.
- World Journal of Orthodontics.
- The Cleft Palate-Craniofacial Journal.

Member of:

- Greek Orthodontic Society.
- Greek Association for Orthodontic Study and Research.
- European Orthodontic Society.
- Tufts Association of Orthodontists.
- American Association of Orthodontists.
- World Federation of Orthodontists.

Congress Presentations:

More than 60 presentations at Greek and International Meetings.

More than 30 invited presentations.

Selected Publications:

- Halazonetis DJ, Shapiro E, Gheewalla R, Clark RE. Quantitative Description of the Shape of the Mandible. *Am J Orthod Dentofacial Orthop* 1991;99:49-56.
- Halazonetis DJ. Computer-assisted cephalometric analysis. *Am J Orthod Dentofacial Orthop* 1994;105:517-521.
- Halazonetis DJ, Katsavrias E, Spyropoulos M. Changes in cheek pressure following rapid maxillary expansion. *Eur J Orthod* 1994;16:295-300.
- Halazonetis J, Halazonetis D. Autotransplantation in cleidocranial dysplasia: Case report with 5-year follow-up. *J Oral Maxillofac Surg* 1995;53:1472-1475.
- Halazonetis DJ. Computer experiments using a two-dimensional model of tooth support. *Am J Orthod Dentofacial Orthop* 1996;109:598-606.
- Halazonetis DJ. Design and test orthodontic loops using your computer. *Am J Orthod Dentofacial Orthop* 1997;111:346-348.
- Halazonetis DJ. Understanding orthodontic loop preactivation. *Am J Orthod Dentofacial Orthop* 1998;113:237-241.
- Halazonetis DJ. Cephalometric analysis of changes in occlusal relationship. *Eur J Orthod* 1998;20:449-461.
- Halazonetis DJ. Ideal-arch force systems -- a center-of-resistance perspective. *Am J Orthod Dentofacial Orthop* 1998;114:256-64.
- Katsavrias E, Halazonetis DJ. Intermaxillary forces during activator treatment. *Am J Orthod Dentofacial Orthop* 1999;115:133-7.
- Spyropoulos MN, Halazonetis DJ. Significance of the soft-tissue profile on facial esthetics. *Am J Orthod Dentofacial Orthop* 2001;119:464-471.
- Halazonetis DJ. Estimated natural head position and facial morphology. *Am J Orthod Dentofacial Orthop* 2002;121:364-8.
- Haralabakis NB, Halazonetis DJ, Sifakakis IB. Activator versus cervical headgear: Superimpositional cephalometric comparison. *Am J Orthod Dentofacial Orthop* 2003;123:296-305.

- Halazonetis DJ. Morphometrics for cephalometric diagnosis. *Am J Orthod Dentofacial Orthop* 2004;125:571-81.
- Tarantili VV, Halazonetis DJ, Spyropoulos MN. The spontaneous smile in dynamic motion. *Am J Orthod Dentofacial Orthop* 2005;128:8-15.
- Katsavrias EG, Halazonetis DJ. Condyle and fossa shape in Class II and Class III skeletal patterns: a morphometric tomographic study. *Am J Orthod Dentofacial Orthop* 2005;128:337-46.
- Halazonetis DJ. Morphometric evaluation of soft-tissue profile shape. *Am J Orthod Dentofacial Orthop* 2007;131:481-9.
- Halazonetis DJ. Morphometric correlation between facial soft-tissue profile shape and skeletal pattern in children and adolescents. *Am J Orthod Dentofacial Orthop* 2007;132:450-7.
- Andredaki M, Koumantanou A, Dorotheou D, Halazonetis DJ. A cephalometric morphometric study of the sella turcica. *Eur J Orthod* 2007;29:449-456.
- Karavaka SM, Halazonetis DJ, Spyropoulos MN. Configuration of facial features influences subjective evaluation of facial type. *Am J Orthod Dentofacial Orthop* 2008;133:277-82.
- Angelopoulou M, Vlachou V, Halazonetis DJ. Fluctuating molar asymmetry and environmental radioactivity. *Arch Oral Biol* 2009;54:666-670.
- Chatzianni A, Halazonetis DJ. Geometric morphometric evaluation of cervical vertebrae shape and its relation to skeletal maturation. *Am J Orthod Dentofacial Orthop* 2009;136:481.e1-481.e9.
- Koletsis DD, Halazonetis DJ. Cervical vertebrae anomalies in orthodontic patients. A growth-based superimpositional approach. *Eur J Orthod* 2010;32:36-42.
- Coquerelle M, Bayle P, Bookstein FL, Braga J, Halazonetis DJ, Katina S, Weber GW. The association between dental mineralization and mandibular form: a study combining additive conjoint measurement and geometric morphometrics. *J Anthropol Sci* 2010;88:129-150.
- Coquerelle M, Bookstein FL, Braga J, Halazonetis DJ, Weber GW. Fetal and infant growth patterns of the mandibular symphysis in modern humans and chimpanzees (*Pan troglodytes*). *J Anat* 2010;217:507-520.
- Halazonetis DJ. Permutation method for evaluating topographical craniofacial correlations. *Am J Orthod Dentofacial Orthop* 2011;139:e211-e217.
- Gkantidis N, Halazonetis DJ. Morphological integration between the cranial base and the face in children and adults. *J Anat* 2011;218:426-38.
- Coquerelle M, Braga J, Bookstein FL, Halazonetis DJ, Weber GW, Mitteroecker P. Sexual dimorphism of the human mandible and its association with dental development. *Am J Phys Anthropol* 2011;145:192-202.
- Bartzela TN, Katsaros C, Bronkhorst EM, Rizell S, Halazonetis D, Kuijpers-Jagtman AM. A two-centre study on facial morphology in patients with complete bilateral cleft lip and palate at nine years of age. *Int J Oral Maxillofac Surg* 2011;40:782-789.
- Gkantidis N, Halazonetis DJ, Alexandropoulos E, Haralabakis NB. Contrasting treatment strategies in hyperdivergent Class II div. 1. Is vertical dimension affected? *Am J Orthod Dentofacial Orthop* 2011;140:346-55.

- Livas C, Halazonetis DJ, Booij JW, Katsaros, C. Extraction of maxillary first molars improves second and third molar inclination in Class II Division 1. *Am J Orthod Dentofacial Orthop* 2011;140:377-82.
- Bartzela T, Katsaros C, Rønning E, Rizell S, Semb G, Bronkhorst E, Halazonetis D, Kuijpers-Jagtman AM. A longitudinal three-center study of craniofacial morphology at 6 and 12 years of age in patients with complete bilateral cleft lip and palate. *Clin Oral Investig* 2011 Sep 24.
- Angelopoulou MV, Vlachou V, Halazonetis DJ. Pharmacological management of pain during orthodontic treatment: a meta-analysis. *Orthod Craniofac Res* 2012;15:71–83.
- Livas C, Halazonetis DJ, Booij JW, Pandis N, Tu YK, Katsaros, C. Maxillary sinus floor extension and posterior tooth inclination in adolescent patients with Class II Division 1 malocclusion treated with maxillary first molar extractions *Am J Orthod Dentofacial Orthop* 2013;143:479-85. doi: 10.1016/j.ajodo.2012.10.024.
- Wellens HLL, Kuijpers-Jagtman AM, Halazonetis DJ. Geometric morphometric analysis of craniofacial variation, ontogeny and modularity in a cross-sectional sample of modern humans. *J Anat* 2013;222:397-409 doi: 10.1111/joa.12027
- Halazonetis DJ, Schimmel M, Antonarakis GS, Christou P. Novel software for quantitative evaluation and graphical representation of masticatory efficiency. *J Oral Rehab* 2013;40:329-35. doi: 10.1111/joor.12043.
- Polychronis G, Christou P, Mavragani M, Halazonetis DJ. Geometric morphometric 3D shape analysis and covariation of human mandibular and maxillary first molars. *Am J Phys Anthropol* 2013;152:186-96. doi: 10.1002/ajpa.22340.
- Valla K, Halazonetis DJ. Correlation of 2D:4D digit ratio and craniofacial shape in prepubertal children. *Am J Hum Biol* 2014;26(3):337-46. doi: 10.1002/ajhb.22512.
- Polychronis G, Halazonetis DJ. Shape covariation between the craniofacial complex and first molars in humans. *J Anat* 2014;225:220-31. doi: 10.1111/joa.12202.



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Education, Degrees

- 1977, Doctor of Dental Surgery, Aristotle University of Thessaloniki, Greece.
- 1985, Certificate in Orthodontics, University of Bern, Switzerland.
- 1987, Didactor Ododontiatrikis (Ph.D.), University of Athens, Greece.

Orthodontic practice

In private practice since 1985.

Teaching experience

- 1986 – present Teaching at the undergraduate and postgraduate program of the Orthodontic Department of Athens University Dental School, Athens, Greece.

Academic positions

- 1986 - 1995, Lecturer, University of Athens, Greece.
- 1995 - present, Assistant Professor, University of Athens, Greece.

Selected Publications

- AlSamak S, Gkantidis N, Bitsanis E, Christou P. Assessment of potential orthodontic mini-implant insertion sites based on anatomical hard tissue parameters: a systematic review. *Int J Oral Maxillofac Implants* 2012;27(4):875-87.
- AlSamak S, Bitsanis E, Makou M, Eliades G. Morphological and structural characteristics of orthodontic mini-implants. *J Orofac Orthop* 2012;73(1):58-71.
- Ingervall B, Bitsanis E. Function of masticatory muscles during the initial phase of activator treatment. *Eur J Orthod* 1986;8:172-84.
- Ingervall B, Bitsanis E. A pilot study of the effect of masticatory muscle training on facial growth in long-face children. *Eur J Orthod* 1987;9:15-23.

**Apostolos I. Tsolakis**

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Education, Degrees:

- 1979, Doctor of Dental Surgery, Aristotle University of Thessaloniki, Greece.
- 1981, Master of Science in Dentistry, Case Western Reserve University, USA.
- 1981, Certificate in Clinical Orthodontics, Case Western Reserve University, USA.
- 1994, Didactor Odondiatrikis (Ph.D.), University of Athens, Greece.

Orthodontic practice:

In private practice since 1983.

Teaching experience:

- 1992 – present Teaching at the undergraduate and postgraduate program of the Orthodontic Department of Athens University Dental School, Athens, Greece.

Academic positions:

- 2002 - present, Adjunct Associate Professor, CWRU, USA.
- 2005 - present, Visiting Associate Professor, St. Louis University, USA.
- 2008 - present, Assistant Professor, University of Athens, Greece.

Other activities:

- Editor of the Greek Dental Journal "Odontostomatologic News" an official publication of the Thessalian Stomatologic Society of Greece. 2000 – 2011.
- Editor of the Greek Dental Journal "European Journal of Dental Science" an official publication of the Thessalian Stomatologic Society of Greece. 2012 – present.

Scientific reviewer of the following journals:

- Angle Orthodontist
- Progress in Orthodontics
- European Journal of Dentistry
- Archives of Oral Biology

Member of:

- Greek Dental Association
- Greek Association for Orthodontic Study and Research
- European Orthodontic Society
- American Association of Orthodontists
- World Federation of Orthodontists
- Greek Cleft Palate Society

- Thessalian Stomatologic Society, Greece
- International Society of Musculoskeletal and Neuronal Interactions
- Greek Society for Biomedical Research and Laboratory Animals

Congress Presentations:

More than 100 presentations at Greek and International Meetings.

More than 30 invited presentations.

Selected Publications:

- Tsolakis AI, Spyropoulos MN. An appliance designed for experimental mandibular hyperpropulsion in rats. *Eur J Orthod* 1997;19(1):1-7.
- Tsolakis AI, Spyropoulos MN, Katsavrias E, Alexandridis K. Effects of altered mandibular function on mandibular growth after condylectomy. *Eur J Orthod* 1997;19(1):9-19.
- Spyropoulos MN, Tsolakis AI, Katsavrias E, Alexandridis K. Effects of experimental unilateral condylectomy followed by altered mandibular function on the maxilla and zygoma. *Eur J Orthod* 1997;19(2):205-10.
- Spyropoulos MN, Tsolakis AI. Altered mandibular function and prevention of skeletal asymmetries after unilateral condylectomy in rats. *Eur J Orthod* 1997;19(2):211-8.
- Spyropoulos MN, Tsolakis AI. Experimental production of Class III malocclusion in rats. *Bul Orth Soc Yugoslavia* 1999;32:5-11.
- Spyropoulos MN, Tsolakis AI, Alexandridis C, Katsavrias E, Dontas I. Role of suprahyoid musculature on mandibular morphology and growth orientation in rats. *Am J Orthod Dentofacial Orthop* 2002;122(4):392-400.
- Tsolakis AI, Zarogiannis K, Aggelopoulos G: Diagnostic limitations of the panoramic radiography. *Odontosomatologic News* 2006;7:21-26.
- Aggelopoulos G, Tsolakis AI, Zarogiannis K. Influence of third molars to lower incisor crowding. *Odontosomatologic News* 2006;7:27-31.
- Tsolakis AI, Khaldi L, Makou M, Lyritis GP, Spyropoulos MN, Dontas IA. Cortical bone response adjacent to applied light orthodontic forces in ovariectomized rats. *J Musculoskelet Neuronal Interact* 2008;8(4):375-8.
- Tsolakis AI, Khaldi L, Chrysomali E, Alexandridis C, Makou M, Lyritis GP, Dontas I. Effects of experimental osteoporosis on the rat alveolar bone. *Odontostomatological Progress* 2008;33:245-251.
- Tsolakis AI, Khaldi L, Dontas I. Physiology of orthodontic movement. Cellular, vascular and biochemical changes. *Pedodontia* 2008;22:85-93.
- Tsolakis AI, Zarogiannis K. The role of regulatory factors RANKL, RANK and OPG in bone physiology. *Pedodontia* 2008;22:146-150.
- Tsolakis AI, Khaldi L, Chrysomali E, Makou M, Dontas I. Effects of estrogen withdrawal on the rat maxillary and mandibular cortical bone. *Odontostomatological Progress* 2009;34:346-352.
- Dontas IA, Tsolakis AI, Khaldi L, Patra E, Lyritis GP. Malocclusion in aging Wistar rats. *J Am Assoc Lab Anim Sci* 2010;49(1):22-6.

- Papachatzopoulou A, Tsolakis AI. Effects of orthodontic treatment in periodontal health-A literature review. *Odontostomatologic News* 2011;12:7-13.
- Makrygiannakis M, Damanakis G, Maroulakos M, Tsolakis AI. Invisalign appliance and technique. *Odontostomatologic News* 2011;12:14-20.
- Xirouchaki F, Prevezanos P, Tsolakis AI. Dental and skeletal effects of intraoral appliances for non-compliance maxillary molar distalization-A literature review. *Odontostomatologic News* 2011;12:21-27.
- Tsolakis AI, Khaldi L, Bitsanis I, Makou M, Dontas IA. Distraction-like phenomena in maxillary bone due to application of orthodontic forces in ovariectomized rats. *Indian J Dent Res* 2012;23(4):501-5. doi: 10.4103/0970-9290.104958.
- Xirouchaki F, Prevezanos P, Tsolakis AI. Skeletal and dental effects of the chin cup appliance - A literature review. *European Journal of Dental Science* 2012;2:5-10.
- Spanou A, Koletsi D, Tsolakis AI. Maxillary canine impaction. Diagnosis and complications - A literature review. *European Journal of Dental Science* 2013;1:5-10.
- Lyros I, Fora E, Damaskos S, Stanko P, Tsolakis A. An incidental finding on a diagnostic CBCT: a case report. *Aust Orthod J* 2014;30(1):67-71.

**Iosif Sifakakis**

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Lecturer

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Education:

- 1990 - 1995 Athens University, Dental School, Athens, Greece. Dental degree (DDS).
- 1999 - 2002 Athens University, Dental School, Athens, Greece. Certificate in Orthodontics.
- 1999 - 2002 Athens University, Dental School, Athens, Greece. Master of Science degree (MS).
- 2005 - 2009 Athens University Dental School, Athens Greece and Bonn University, School of Dentistry, Bonn, Germany. Doctorate degree.

Orthodontic practice:

1997 - 1999 in Germany (Tauberbischofsheim, Approbation in Baden-Württemberg), as orthodontic assistant (Weiterbildungsassistent) in private practice limited to Orthodontics and licensed for orthodontic training.

2003 - present: In private practice.

Teaching experience:

- 2003 – 2010 Scientific collaborator, Orthodontic Dept., University of Athens, Dental School, Athens, Greece.
- 2010 – Lecturer, Orthodontic Dept., University of Athens Dental School, Athens, Greece. Teaching at the undergraduate and postgraduate program.

Other activities:

- Invited lecturer at the University of Bern and Zurich, Switzerland.
- Associate Editor of the Journal of Dental Biomechanics.
- Supervisor of the orthodontic part of the epidemiological survey of the National Program “Assessment and Promotion of the Oral Health of the Hellenic Population” (2013).

Scientific reviewer of peer-reviewed Journals:

- American Journal of Orthodontics and Dentofacial Orthopedics.
- The Angle Orthodontist.
- European Journal of Orthodontics.
- Orthodontics and Craniofacial Research.
- Progress in Orthodontics.
- Journal of Orthodontics.
- Australian Orthodontic Journal.
- World Journal of Orthodontics.

Congress Presentations:

- More than 30 presentations at Greek and International Meetings.

Selected publications

- Zinelis S, Sifakakis I, Katsaros C, Eliades T. Microstructural and mechanical characterization of contemporary lingual orthodontic brackets. *Eur J Orthod* 2014;36:389-93.
- Sifakakis I, Pandis N, Makou M, Eliades T, Katsaros C, Bourauel C. Torque efficiency of different archwires in 0.018- and 0.022-inch conventional brackets. *Angle Orthod* 2014;84:149-54.
- Danz JC, Greuter C, Sifakakis L, Fayed M, Pandis N, Katsaros C. Stability and relapse after orthodontic treatment of deep bite cases--a long-term follow-up study. *Eur J Orthod* 2014;36:522-30.
- Sifakakis I, Pandis N, Makou M, Eliades T, Katsaros C, Bourauel C. Torque expression of 0.018 and 0.022 inch conventional brackets. *Eur J Orthod* 2013;35:610-4.
- Sifakakis I, Pandis N, Makou M, Eliades T, Katsaros C, Bourauel C. A comparative assessment of torque generated by lingual and conventional brackets. *Eur J Orthod* 2013;35:375-80.
- Sifakakis I, Pandis N, Makou M, Katsaros C, Eliades T, Bourauel C. A comparative assessment of forces and moments generated by lingual and conventional brackets. *Eur J Orthod* 2013;35:82-6.
- Eliades T, Voutsas D, Sifakakis I, Makou M, Katsaros C. Release of bisphenol-A from a light-cured adhesive bonded to lingual fixed retainers. *Am J Orthod Dentofacial Orthop* 2011;139:192-5.
- Sifakakis I, Pandis N, Eliades T, Makou M, Katsaros C, Bourauel C. In-vitro assessment of the forces generated by lingual fixed retainers. *Am J Orthod Dentofacial Orthop* 2011;139:44-8.
- Sifakakis I, Pandis N, Makou M, Eliades T, Bourauel C. Forces and moments on posterior teeth generated by incisor intrusion biomechanics. *Orthod Craniofac Res* 2009;12:305-11.
- Sifakakis I, Pandis N, Makou M, Eliades T, Bourauel C. A comparative assessment of the forces and moments generated with various maxillary incisor intrusion biomechanics. *Eur J Orthod* 2010;32:159-64.
- Sifakakis I, Pandis N, Makou M, Eliades T, Bourauel C. Forces and moments generated with various incisor intrusion systems on maxillary and mandibular anterior teeth. *Angle Orthod* 2009;79:928-33.
- Haralabakis NB, Sifakakis IB. The effect of cervical headgear on patients with high or low mandibular plane angles and the "myth" of posterior mandibular rotation. *Am J Orthod Dentofacial Orthop* 2004;126:310-7.
- Haralabakis NB, Halazonetis DJ, Sifakakis IB. Activator versus cervical headgear: superimpositional cephalometric comparison. *Am J Orthod Dentofacial Orthop* 2003;123:296-305.

**Gerassimos Angelopoulos**

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Personal Data:

Date of birth: 22/05/1964

Nationality: Greek, French

Languages:

Greek (native), French (fluently), English (fluently), German (basics), Italian (basics).

Education:

- 1981 - 1986 Athens University Dental School, Athens, Greece. Dental degree (DDS).
- 1987 - 1990 University of Toronto, Faculty of Dentistry, Diploma in Orthodontics.
- 1988 - 1991 University of Toronto, Faculty of Dentistry, Master of Science degree in Oral Biology (M.Sc.).
- 1994-2003 Athens University Dental School, Athens, Greece. Doctorate degree.

Awards and Honours:

- Co-Recipient of the Joseph E. Johnson Clinic Award for the most outstanding clinic presented in the 88th Annual Session of The American Association of Orthodontists, New Orleans, Louisiana, U.S.A, May 1988.
- Co-Recipient of The Great Lakes Association of Orthodontists Table Clinic award for the most outstanding clinic presented in the 60th Annual Meeting of the GLAO, Toronto, Ontario, Canada. October 1988.
- Recipient of the University of Toronto, Department of Orthodontics, Aaron Posen Award for Clinical Excellence and Creativity in 1990.
- Recipient of the Harry Sicher First Research Essay Award by the American Association of Orthodontists, 92nd Annual Session, St Louis, May 1992.
- President of the 7th Panhellenic Orthodontic Congress in 2002.
- Recipient of the award for academic achievement of "polytechnic union of Greece, 2004".
- American Association of Orthodontists Ambassador, 2014.

Orthodontic practice:

Clinical practice at the orthodontic clinic of the 251 Air Force General Hospital, Athens, Greece from April 1991 till November 1992 (19 months), during military service.

In private practice since November 1992 in Athens Greece.

Teaching experience:

- Volunteer Research Assistant, Faculty of Dentistry, Department of Orthodontics, U. of Toronto, Canada, July to September 1986.
- Teaching Assistant at Faculty of Dentistry University of Toronto, Canada for the 1987-1988 academic year. Orthodontic instructor of II undergraduate year.
- Teaching Assistant at Faculty of Dentistry University of Toronto, Canada for the 1988-1989 academic year. Orthodontic instructor of III undergraduate year.
- Teaching Assistant at Faculty of Dentistry University of Toronto, Canada for the 1989 – 1990 academic year. Orthodontic instructor of IV undergraduate year.
- 1992 – present Teaching at the undergraduate and postgraduate program of the Orthodontic Department of Athens University Dental School, Athens, Greece.

Editorship

- Member of the advisory Committee of the “Progress in Orthodontics”
- Current editorship Member of the editorial review board of Odontostomatologic news,
- Founding editor of “Greek Orthodontic News Bulletin”.
- Reviewer of ortho-related submissions of manuscripts to dental journals.
- Co-Editor in charge of “Greek Journal of Orthodontics”

Other activities:

- Invited lecturer at the University of Beirut Medical Center, Lebanon 2008.
- Contemporary Orthodontic Office Design Consultant since 2000.
- Elected Senior Class President, Orthodontic Programme 1988-1989., U. of Toronto.
- Elected Student representative of the Graduate Dental Student Society to the Faculty Council Faculty of Dentistry, University of Toronto 1989-1990.
- Member of the Committee of International affairs of the Hellenic Dental Federation 2008-2012.
- Member of the Scientific Committee of the Dental Society of Attica for the term 2014-2016.
- Member of the Board of Orthodontics of the Central Health Board of the Ministry of Health since 2008.
- Has served since 1994 in different positions (President for the maximum allowed of 2 terms, secretary general for 8 years) and elected for the term 2015-2017, Vice- President of the Greek Association for Orthodontic Study and Research. Has represented the Association in local Boards as well as WFO, MOIP, Forum of National Orthodontic Societies of EOS-EFOSA-FEO.
- President of the Study club of Interdisciplinary Orthodontics of GAOSR since 2010.
- Member of the advisory board of periocare.gr facebook blog since 2013.

Member of:

- Greek Association for Orthodontic Study and Research since 1991.
- European Orthodontic Society since 1991.
- University of Toronto Orthodontic Alumni Association since 1991.
- (International) American Association of Orthodontists since 1991.

- World Federation of Orthodontists since 2001.
- MRCD (c), member of the Royal College of Dentists, Toronto, 1991-1993.
- Member of the Greek Orthodontic Society from 1991-1995.
- Hellenic Dental Association since 1987.
- Member of "Toronto Orthodontic Study Club", 1987-1991.
- Member of Dental Society of Attica, Greece since 1987.
- Member of ITI study club of Psychico since 2013.

Congress Presentations:

More than 70 presentations at Greek and International Meetings.

More than 25 invited presentations.

Areas of scientific interest

- The contribution of orthodontics to achieve an aesthetic smile with emphasis in Interdisciplinary orthodontics.
- Long-term stability of orthodontically treated cases.
- Functional appliances and Temporomandibular joint remodelling.
- Active Self-ligation.

Research Theses – Books-Chapters

- "Long-term stability of glenoid fossa and condylar remodeling following mandibular advancement in the juvenile *Macaca Fascicularis*. A histomorphometric, cephalometric and electromyographic investigation". A thesis submitted in conformity with the requirements for the Degree of Master of Science in the University of Toronto pages 1-237 1991 (in English).
- Temporomandibular joint Remodeling. Chapter 13, pages 145-160 in "the normal Temporomandibular Joint" editors Elias Katsavrias, Asterios Doukoudakis editions Paschalides Athens 2001 (in Greek).
- "Electromyographic activity of the muscles of mastication, during mastication and swallowing following mandibular protrusion in the juvenile *Macaca Fascicularis*. A thesis submitted in conformity with the requirements for the Doctorate degree in the Athens University Dental School, Athens Greece, pages 1- 196. 2003 (in Greek).
- Technical Issues for the Establishment and function of a Dental Clinic. Chapter 7, pages 189-216, in " Organization and management of a Dental Clinic" editors J. Tzoutzas, G. Bridges, editions Litsas Athens 2010 (in Greek).
- Gerassimos G. Angelopoulos. Practicien du mois. Cabinet d'ailleurs. Athenes le berceau de l'esthetique. Orthophile no17, 86-93, Fevrier-Mars 2011 (in French).
- Technical Issues for the Establishment and function of a Dental Clinic. Chapter 9, pages 224-268, in " Organization and management of a Dental Clinic" editors J. Tzoutzas, G. Bridges, editions Litsas Athens 2014 (in Greek).

Selected Publications:

- Gerassimos Angelopoulos, Afroditi Kouli. Implant site development through orthodontic tooth movement (in press)

- Afroditi Kouli, Gerassimos Angelopoulos. Innovative approach to manage early ankylosed primary molar with permanent successor. *Greek Journal of Orthodontics* volume 3, 73-78, 2014.
- Gerassimos Angelopoulos. Interview of Professor Emeritus Donald Woodside. *Greek Journal of Orthodontics* volume 2, 55-56, 2013.
- Gerassimos Angelopoulos, Afroditi Kouli. What are the treatment options in patients with unilateral congenitally missing second mandibular premolars? *Oral Health*, pages 32-46, September 2013.
- Gerassimos Angelopoulos, Afroditi Kouli. Unilateral congenitally missing second mandibular premolars: Treatment options following diagnosis. *Greek Journal of Orthodontics* volume 1, 94-104, 2012.
- Gerassimos G. Angelopoulos and Elias Katsavrias. The contribution of mini implants in orthodontic treatment. *Analecta Periodontologica* volume 19, 101-126, 2008.
- G. Angelopoulos, A.I. Tsolakis, K. Zarogiannis. Influence of third molars to lower incisor crowding. *Odontostomatologic News*, Volume 8, No 1, 2, 27-32, 2006
- A.I. Tsolakis, K. Zarogiannis, G. Angelopoulos. Diagnostic limitations of the panoramic radiography. *Odontostomatologic News*, Volume 8, No 1, 2, 21-27, 2006
- N.G. Tzortzakis, A. Mamalis, V. Chronopoulos, G. Angelopoulos, S. Silvestros. Soft and hard tissue regeneration prior to implant placement through hopeless teeth guided orthodontic extrusion. *Contemporary Dentistry* 26(4) 169-182, 2006.
- E. Bitsanis, G. Angelopoulos, E. Sinanioti, V. Stathopoulos. The contribution of Orthodontics in the reconstruction of an esthetic smile. *25th POC Pages* 127-136, 2005.
- Voudouris JC, Woodside DG, Altuna G, Kuftinec MM, Angelopoulos G, Bourque PJ. Condyle-fossa modifications and muscle interactions during Herbst treatment, Part 1. New technological methods. *Am J Orthod Dentof Orthop* 2003;123:604-613.
- Voudouris JC, Woodside DG, Altuna G, Angelopoulos G, Bourque PJ, Yamin Lacouture C, Kuftinec MM. Condyle-fossa modifications and muscle interactions during Herbst treatment, Part 2. Results and conclusions. *Am J Orthod Dentof Orthop* 2003;124:13-29.
- G. G. Angelopoulos, E. N. Manoussaki. Contemporary Dental Clinic Design. *Hellenic Stomatological review* 46 :11-17, 2002.
- George S. Goumenos, Gerassimos G. Angelopoulos. Periodontology and Orthodontics. *Dental Society of Piraeus* vol. 1, Period B pages 1-30. April –June 1995
- G. Angelopoulos. Presentation of ten year postretention orthodontic cases treated at the University of Toronto. *University of Toronto Dental Journal*. 1990.

Recent presentations

- Oral presentations and University presentations (undergraduate, post-graduate level-ortho-prostho-paedo)
- Functional Appliances. Do they work?
- Bonding in Orthodontics.
- Contemporary views regarding the stability of orthodontically treated cases.
- What follows orthodontic treatment? Long-term retention and patient monitoring. (45 minutes lecture)

- Self-ligation: Advantages and disadvantages.
- Contemporary design of specialized dental clinics.
- Combined self-ligating fixed and functional appliances for growth modification in Class II div 1, children.
- Orthodontic Clinic design: How to transform an apartment to an orthodontic clinic?
- How to effectively guide into eruption an impacted canine with a Speed self-ligating bracket?
- The contribution of Orthodontics in everyday clinical dental practice.
- The pros and the cons of self-ligating appliances. 26 years of clinical experience. (6 hour lecture and hands-on course).
- Orthodontics and adaptation of the TMJ.
- Marsipulization or enucleation in 2 cases of dentigerous cysts.
- Guidelines for quantified safe reproximation.
- Orthodontic tooth Movement and mucogingival problems.
- Visualized informed consent for the Orthodontic patient.
- How does the malocclusion alter the photographic protocol of a patient? (4 hour presentation and hand-on course)
- Video recording. Is this the future?
- In what way, could the orthodontist, prevent the development of a malocclusion?
- Dental agenesis. (90 minutes workshop presenting the alternative treatment options).
- What should we do to preserve our teeth? (30 minutes oral hygiene instructions and videos)
- Orthodontics in the reconstruction of an aesthetic smile.
- What is the contribution of orthodontics in perio-prosthetic problems treated with implants? (series of three 90 minute lectures presented to the graduate prosthodontic students)

**George Damanakis**

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Studies

- Graduate of the 10th Public School of Athens (1986)
- Graduate of the School of Dentistry, University of Athens (1986-1991)
- MASTER Diploma in Oral Biology/Dental School of Athens (1994-1996)
- Diploma in Orthodontics & Clinical Specialization / Department of Orthodontics, Dental School of Athens (1996-1999)

Activities

- Member of the Board of Directors in the Dental Association of Piraeus (2008-2015)
- President of the Greek Association of Orthodontic Study & Research (2011-2015)
- Member of the General Meeting of the Greek Dental Federation
- Member of the European Orthodontic Society (EOS)
- Member of the International Society of Orthodontics (WFO)
- Member of the Greek Orthodontic Society
- President of the 14th Panhellenic Orthodontic Congress

Professional experience

- Private Orthodontic practice in Athens
- Research Fellow at the Department of Orthodontics of the Dental School, University of Athens with subject «Orthodontic tooth movement in rats with diabetes»
- PhD candidate in the Dental School of the University of Athens

Publications

- Makrigiannakis M., Damanakis G., Maroulakos M., Tsolakis A. Invisalign Treatment. *Odontostomatologika Nea* 2011;12:14-20.

Oral Presentations

- 5th Panhellenic Congress of Greek Association of Orthodontic Study & Research (25-27/9/1998)
- 2nd National Congress of the Greek Orthodontic Society and the Orthodontic Society of Northern Greece (5-6/12/1998) «Treatment of periodontal patients»
- 19th Panhellenic Congress of Paediatric Dentistry Dentistry Association of Greece (5/1999)
- 3rd Panhellenic Orthodontic Congress of the Greek Orthodontic Society (10/1999)
- 19th Panhellenic Congress of the Greek Orthodontic Dental Association (10/1999)
- 6th Panhellenic Congress of Greek Association of Orthodontic Study & Research (30/9-1/105/2000)

- 76th Orthodontic Congress of the European Orthodontic Company (6/2000)
- 10th Pancretan Stomatology Congress of the Stomatological Society of Crete (6/2000)
- 20th Panhellenic Dental Congress of the Greek Dental Federation (10/2000)
- 7th Panhellenic Congress of Greek Association of Orthodontic Study & Research (28-29/9/2002)
- Seminar of the Dental Association of Trikala titled «Orthodontics as a way of treatment of the dental patient in cooperation with the General Dentist» (25/5/2013)
- 34th Panhellenic Dental Congress, «The contribution of Orthodontics in the oral restoration from the Dentist. New trends in treatment of the adults»
- MSc thesis at the Faculty of Dentistry of the University of Athens titled «The role of cranial base in craniofacial syndromes»

**Marina Karamolegkou**

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Work experience

- 2010 - Present Private practice limited to orthodontics

Education

- 2007 - 2010 Post-graduate studies in the Orthodontic Department of the National and Kapodistrian University of Athens, School of Dentistry.
- 2001 - 2006 Graduate studies in the Faculty of Dentistry of the National and Kapodistrian University of Athens.
- 1996 - 2000 Graduate studies in the Department of Dental Technology of the Technological Educational Institution of Athens.
- 1996 Graduation from the 4th high school of Glyfada.

Selected publications

- Lempesi E, Karamolegkou M, Pandis N, Mavragani M. Maxillary canine impaction in orthodontic patients with and without agenesis: a cross-sectional radiographic study. *Angle Orthod* 2014;84:11-7. doi: 10.2319/022413-155.1.
- Dorotheou D, Gkantidis N, Karamolegkou M, Kalyvas D, Kiliaridis S, Kitraki E. Tooth eruption: altered gene expression in the dental follicle of patients with cleidocranial dysplasia. *Orthod Craniofac Res* 2013;16(1):20-7. doi: 10.1111/ocr.12000.
- Gkantidis N, Zinelis S, Karamolegkou M, Eliades T, Topouzelis N. Comparative assessment of clinical performance of esthetic bracket materials. *Angle Orthod* 2012;82:691-7. doi: 10.2319/092511-605.1.
- Karamolegkou M. Epidemiology of dental agenesis in Greece. *Greek Journal of Orthodontics* 2012;1.
- Papagrigorakis MJ, Karamolegkou M, Vilos G, Apostolidis C, Karamesinis K, Synodinos PN. Auriculo-condylar syndrome. *Angle Orthod* 2012;82:556-64. doi: 10.2319/052911-356.1.

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Education/Qualifications

- 2012- currently: Doctoral Candidate, Endowed Chair of Oral Technology, University of Bonn, Germany (Title: "The effect of collagen disease and functional loading on biomechanical, physicochemical and structural characteristics of the mandibular condyle. A study in a transgenic rheumatoid arthritis mouse model". Supervisor: Prof. C. Bourauel).
- Apr. 2013: Orthodontic Specialty Recognition from the Greek Ministry of Health.
- Dec. 2012: Master of Science in Orthodontics (MSc Ortho), Dental School University of Athens, Greece. Grade: 8.94/10.
- Jan. 2008: Doctor of Dental Surgery, Dental School University of Athens, Greece. Grade: 7.25/10.
- Jun. 2002: 3rd Secondary School of Ioannina, Greece. Grade: 19.2/20.

Academic/Teaching

- Scientific collaborator, Department of Orthodontics, Dental School, University of Athens (Feb. 2013- Jun. 2013, undergraduate studies).
- Scientific collaborator and clinical instructor, Department of Orthodontics, Dental School, University of Athens (Apr. 2013- currently, postgraduate studies).

Publications

- Koletsi D, Madahar A, Fleming PS, Pandis N. Statistical testing against baseline was common in dental research. J Clin Epidemiol [In press, 2015]
- Spanou A, Koletsi D, Fleming PS, Polychronopoulou A, Pandis N. Statistical analysis in orthodontic journals. Are we ignoring confounding? Eur J Orthod [In press, 2015]
- Koletsi D, Fleming PS, Eliades T, Pandis N. The evidence from systematic reviews and meta-analyses published in orthodontic literature. Where do we stand? Eur J Orthod [In press, 2015]
- Gizani S, Shargill I, Koletsi D, Makou M. Interceptive and preventive orthodontics in the developing dentition. Intra-arch problems, diagnosis and management. A systematic review. Invited paper in the 8th Interim Seminar and Workshop of the European Academy of Paediatric Dentistry in Limassol, Cyprus. April18-20, 2013. Eur Arch Paediatr Dent [In press, 2015]
- Koletsi D, Pandis N, Makou M. The effect of orthodontic management and orofacial muscle training protocols on myofunctional and myoskeletal problems in the developing dentition. A systematic review. Invited paper in the 8th Interim Seminar and Workshop of the European Academy of Paediatric Dentistry in Limassol, Cyprus. April18-20, 2013. Eur Arch Paediatr Dent [In press, 2015]
- Fleming PS, Koletsi D, Seehra J, Pandis N. Systematic reviews published in higher impact journals were of higher quality. J Clin Epidemiol 2014;67:754-9

- Fleming PS, Koletsi D, Pandis N. Blinded by PRISMA. Are systematic reviewers focusing on PRISMA and ignoring other guidelines? PLoS One 2014;9:e96407
- Lempesi E, Koletsi D, Fleming PS, Pandis N. The reporting quality of randomized controlled trials in orthodontics. J Evid Based Dent Pract 2014;14:46-52
- Koletsi D, Fleming PS, Seehra J, Bagos PG, Pandis N. Are sample sizes clear and justified in RCTs published in dental journals? PLoS One 2014;9:e85949
- Koletsi D, Fleming PS, Pandis N. Sample size in orthodontic randomized controlled trials: Are numbers justified? Eur J Orthod 2014;36:67-73
- Fleming PS, Koletsi D, Polychronopoulou A, Eliades T, Pandis N. Are clustering effects accounted for in statistical data analysis in leading dental specialty journals? J Dent 2013;41:265-70
- Koletsi D, Pandis N, Polychronopoulou A, Eliades T. Mislabeling controlled clinical trials (CCT's) as "randomized clinical trials (RCT's)" in dental specialty journals. J Evid Based Dent Pract 2012;12:124-30
- Koletsi D, Pandis N, Polychronopoulou A, Eliades T. What's in a title? An assessment of whether randomized controlled trial in a title means that it is one. Am J Orthod Dentofacial Orthop 2012;141:679-85
- Koletsi D, Pandis N, Polychronopoulou A, Eliades T. Does published orthodontic research account for clustering effect during statistical data analysis? Eur J Orthod. 2012;34:287-92. Received a Commentary by Harrison JE and Burnside G. Why does clustering matter in orthodontic trials. Eur J Orthod 2012;34:293-295
- Koletsis DD, Halazonetis DJ. Cervical Vertebrae Anomalies in Orthodontic Patients. A Growth-Based Superimpositional Approach. Eur J Orthod 2010;32:36-42
- Koletsi D, Karagianni A, Pandis N, Makou M, Polychronopoulou A, and Eliades T. Are studies reporting significant results more likely to be published? Am J Orthod Dentofacial Orthop 2009;136:632.e1-5

Ongoing Projects (submitted papers)

- Fleming PS, Koletsi D, Ioannidis JP, Pandis N. Strength of the evidence and treatment recommendations: A survey of the Cochrane Database of Systematic Reviews. JAMA (submitted on Jan 14th, 2015; ref: JAMA15-0322)
- Fleming PS, Koletsi, Dwan K, Pandis N. Outcome discrepancies and selective reporting: impacting the leading journals? PLoS One (submitted on Dec 2nd, 2014; ref: PONE-D-14-54007)

Awards and Honours

- Recognition as one of the Top Reviewers of Scientific Articles for the American Journal of Orthodontics and Dentofacial Orthopedics for the years 2012 and 2013.
- 1st award for the oral presentation of Koletsi D and Halazonetis DJ, for the study: "Morphological covariation of the cervical vertebrae and the face in prepubertal children". 12th National Conference of the Greek Association for Orthodontic Study and Research. Athens, 28-30 September 2012.
- 2nd award for the scientific poster presentation of Koletsi D, Gkantidis N, Maroulakos M, Bitsanis E, Tsolakis A, for the study: "Orthodontic uprighting of mandibular terminal molars with unusual impaction". 13th Conference of the Greek Orthodontic Society. Athens, 4-5 December 2010.

- Antonios Papadakis Foundation Scholarship Award (University of Athens), for the completion of 3-year postgraduate studies (2009-2012).

Other

- Reviewer of Scientific Articles for the journals: American Journal of Orthodontics and Dentofacial Orthopedics, European Journal of Orthodontics, Angle Orthodontist, Progress in Orthodontics, Journal of Dentistry, International Journal of Paediatric Dentistry.
- Attendance of more than 50 national and international scientific conferences or seminars.
- Member of EOS, AAO, WFO.

**Dimitrios Konstantonis**

DDS, MS, PhD

Clinical Instructor

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Personal data

- Date of birth: 3/10/1965
- Nationality: Greek
- Languages: English - Italian - French - German

Posts

- 2014 – present Instructor, Department of Orthodontics - School of Dentistry, University of Athens, Greece
- 2/2014 – present Member of the examining committee of the National Boards of Orthodontics in Greece, appointed by the Minister of Health
- 2013 – present Visiting Lecturer, University of Zurich, Switzerland
- 2009 – present Research Associate, Institute of Biosciences and Applications, NCSR «Dimokritos», Athens, Greece
- 2006 – present Clinical instructor, Department of Orthodontics - School of Dentistry University of Athens, Greece

Qualifications

- PhD in Oral Biology. University of Athens, Greece 2012
- MS, Masters of Science in Orthodontics. Saint Louis University, USA 1996
- Certificate of Specialty in Orthodontics 3-years. CADE - Saint Louis University, USA 1993-1996
- Diploma in Dental Surgery - DDS. School of Dentistry, University of Athens, Greece 1990
- High Scholl Diploma. Lycée Léonin - Athens, Greece 1983

Clinical experience

In private practice of Orthodontics 1996-present

Research dissertations:

- The effect of human PDL fibroblasts aging on their response to mechanical forces (PhD in Oral Biology, University of Athens, Greece)
- The impact of extraction versus non extraction treatment on the facial esthetics of Class I equally susceptible to treatment malocclusions. (Masters of Science in Orthodontics, Saint Louis University, USA)

Recent publications:

- Anthopoulou C, Konstantonis D, Makou M. Treatment outcomes after extraction and non-extraction treatment evaluated with the American Board of Orthodontics objective grading system. Am J Orthodo Dentofacial Orthop. 2014 Dec;146(6):717-23.

- Konstantonis D, Papadopoulou A, Makou M, Eliades T, Basdra E, Kletsas D. The role of cellular senescence on the cyclic stretching-mediated activation of MAPK and ALP expression and activity in human periodontal ligament fibroblasts. *Exp. Gerontol.* 2014 Sep; 57:175-80. doi: 10.1016/j.exger.2014.05.010.
- Konstantonis D, Anthopoulou C, Makou M. Extraction decision and identification of treatment predictors in Class I malocclusions. *Prog Orthod.* 2013 Nov 19;14(1):47. doi: ghgg10.1186/2196-1042-14-47.
Recommended by Resident's journal review: Ravinda Nanda, Dan Grauer. *American Journal of Orthodontics and Dentofacial Orthopedics*, Vol. 145, Issue 5, p566–568, Published in issue: May, 2014.
- Konstantonis D, Papadopoulou A, Makou M, Eliades T, Basdra E, Kletsas D. Senescent human periodontal ligament fibroblasts after replicative exhaustion or ionizing radiation have a decreased capacity towards osteoblastic differentiation. *Biogerontology* 2013 Dec;14(6):741-51. doi: 10.1007/s10522-013-9449-0.
- Konstantonis D. The impact of extraction vs nonextraction treatment on soft tissue changes in Class I borderline malocclusions. *Angle Orthod* 2012;82:209-217.
- Konstantonis D. The biological basis of orthodontic tooth movement. New data in the era of "Molecular Dentistry" *Odontostomatologiki Proodos*, 2014.
- Konstantonis D, Ferdianakis S, Iliadi A. Extractions in orthodontics- Contemporary trends- Selection criteria. *Ellinika Stomatologika Xronika*, 2013.

Recent presentations

Oral presentations

- Konstantonis D, Papadopoulou A, Eliades T, Basdra E, Kletsas D. Aged human periodontal ligament fibroblasts (hpdlf) exhibit a decreased capacity towards an osteoblastic differentiation. Oral Presentation at the 89th Congress of the European Orthodontic Society in Reykjavik-Iceland, June 2013
- Konstantonis D. The aesthetic zone in children and adolescents. 13o Panpeloponissiakos Congress, Sparta, Greece 2012.

Poster presentations

- Konstantonis D, Papadopoulou A, Eliades T, Basdra E, Kletsas D. The impact of patient's age on the response of human periodontal fibroblasts to mechanical stress. Scientific Poster at the 13th Panhellenic Congress, Athens, Greece 9/2014
Awarded the best poster award at the 13th Panhellenic Congress in Greece.
- Konstantonis D, Papadopoulou A, Eliades T, Basdra E, Kletsas D. Ionizing radiation (IR) induces premature senescence of human periodontal ligament fibroblast (hPDLF) leading to reduced differentiation. Scientific Poster at the 13th Panhellenic Congress, Athens, Greece 9/2014.
- Papadopoulou A, Konstantonis D, Eliades T, Basdra E, Kletsas D. Cellular senescence inhibits the ability of human periodontal ligament fibroblasts towards osteoblastic differentiation, in the absence or presence of cyclic mechanical stimulation. Scientific poster in the 24th annual meeting of the European Tissue Repair Society in Edinburgh, United Kingdom.
- Konstantonis D, Papadopoulou A, Eliades T, Basdra E, Kletsas D. Ionizing radiation (IR) induces premature senescence of human periodontal ligament fibroblast (hPDLF) leading to reduced

differentiation. Scientific Poster at the 90th Congress of the European Orthodontic Society in Warsaw, Poland June 2014.

Awarded the European Orthodontic Society best poster award at the 90th Congress in Poland.

- Konstantonis D, Papadopoulou A, Eliades T, Basdra E, Kletsas D. The role of patient's age on the response of human periodontal ligament fibroblasts (hPDLF) to mechanical stimulation and differentiation. Scientific Poster at the 90th Congress of the European Orthodontic Society in Warsaw, Poland June 2014.
- Konstantonis D, Papadopoulou A, Eliades T, Basdra E, Kletsas D. The effect of cellular aging on the differentiation of periodontal ligament fibroblasts and their response to mechanical stimulation. Scientific Poster at the 89th Congress of the European Orthodontic Society in Reykjavik-Iceland, June 2013.
- Konstantonis D, Papadopoulou A, Makoy M, Eliades T, Basdra E, Kletsas D. The effect of cellular aging on the differentiation of periodontal ligament fibroblasts and their response to mechanical stimulation. Scientific Poster at the 22nd European Tissue Repair Society Meeting in Athens, Greece October 2012.
- Konstantonis D, Karamolegkou M. Ectopic eruption of maxillary permanent first molars. Treatment timing and biomechanical considerations. IAPD congress Athens, Greece 2011.

University Lectures

- The biology of tooth movement; the molecular insight. Lecture at the Graduate Department of Orthodontics, University of Zurich, 9/2014.
- The biology of orthodontic tooth movement. Series of lectures at the Graduate Department of Orthodontics, University of Athens, Greece, 9-10/2014.
- Extraction versus non-extraction treatment in Orthodontics: Series of lectures at the Graduate Department of Orthodontics, University of Athens, Greece, 9-10/2014.
- Extraction decision in Orthodontics. Lecture at the Graduate Department of Orthodontics, University of Zurich, 3/2014.
- Introduction into Tweed mechanics and philosophy. Series of 15 lectures and lab work to the residents of the Graduate Department of Orthodontics, University of Athens, Greece in 2010, 2012, 2013.

Reviewer in scientific journals

- Angle Orthodontist
- Progress in Orthodontics
- European Journal of Orthodontics
- Acta Odontologica Scandinavica
- Clinical, Cosmetic and Investigational Dentistry

Major research interests:

- The investigation of the signalling pathways involved in the expression of genes associated with osteoblast differentiation and proliferation of the human periodontal ligament.
- The role of patient's age, cellular senescence and ionizing radiation on the differentiation of human periodontal ligament fibroblasts and their response to mechanical stimulation.

Series of research projects conducted at the Institute of Biosciences and Applications, NCSR «Dimokritos» and at the department of Biological chemistry of the School of Medicine, University of Athens, Greece.

- Extraction vs non-extraction in Orthodontics.

Series of retrospective research projects on:

-the impact of the extractions on the soft tissue profile

-the measurements/variables which possess unique discriminating power between extraction and nonextraction treatment, thus accounting the most for the extraction decision in Orthodontics.

-the use of the ABO objective grading system in: the evaluation of treatment results of extraction vs non extraction cases as well as of university vs private practice cases.

-the change into transverse dimensions of the dentition in borderline extraction and non-extraction cases.

Memberships in professional organizations

- American Association of Orthodontists
- American Board Of Orthodontists
- European Orthodontic Society
- World Federation of Orthodontists
- Attica Dental Association
- Greek Association for Orthodontic Study and Research
- Hellenic Society of Odontostomatological Research



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Education/Qualifications

- 1998: Doctoral thesis from the Department of Orthodontics of the Faculty of Dentistry of the University of Athens. Title: "Epidemiologic study of the Cleft lip +palate on the Greek population between the years 1980 and 1990".
- 1988: Acquisition of CCT (Specialty) in Orthodontics from the University of Bergen, Norway. Graduation Thesis: "Does prostaglandin injection enhance orthodontic tooth movement?".
- 1981: Doctor of Dental Surgery from the School of Dentistry of the Athens University.

Academic teaching

- Scientific collaborator and Clinical instructor, Department of Orthodontics, School of Dentistry, University of Athens (1988-currently, postgraduate studies)
- Scientific collaborator, Department of Orthodontics, School of Dentistry, University of Athens (1984-1986, undergraduate studies)

Presentations

- Academic performance and athletic activities of Greek schoolchildren with cleft lip +palate: pilot study. Submitted for presentation at the 2015 International Congress of the International Association of Paediatric Dentistry, Glasgow 2015.
- Facial reconstruction in compromised patients by cranial distraction osteogenesis. 28th Annual meeting of the European Academy of Aesthetic Dentistry 2014.
- Surgical – Orthodontic treatment. Lesson in Odessa, Ukraine organized by the International College of Dentists (ICD) and the University of Odessa.
- Presentations (at least twelve) at several Panhellenic and Orthodontic Congresses in Greece about "Surgical Orthodontic treatment" mainly about "Surgical-Orthodontic treatment of Cleft and Syndromic cases" as a member of a multidisciplinary team.
- Lessons for General Dentists as a part of the "continuous educational program" of the "Hellenic Dental Federation" 1990.
- Does prostaglandin injection enhance Orthodontic tooth movement? Presented at the Research Workshop, 64th European Congress of the European Orthodontic Society (EOS), London 1988.

Other

Member of ACPA, WFO, ICD, Hellenic Craniomaxillofacial Center (member of ISCFs)

**Pinelopi-Kleio Palaska**

DDS, MS

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Education/Qualifications

- 07/2013-07/2014 Craniofacial Orthodontic Fellowship, Hospital for Sick Children, Toronto ON, Canada
- 07/2010-06/2013 MSc in Orthodontics, Department of Orthodontics, Tufts University School of Dental Medicine, Boston MA, USA
- 02/03/2008-02/15/2008 Basic Course in Orthodontics, Department of Orthodontics, School of Dental Medicine University of Geneva, Switzerland
- 08/25/2008-09/19/2008 Basic Course in Orthodontics, Department of Orthodontics, School of Dental Medicine University of Geneva, Switzerland
- 09/2001-06/2007 D.D.S., Aristotle University School of Dental Medicine, Thessaloniki, Greece

Research/teaching experience

- 09/2014-present Clinical instructor, Department of Orthodontics, School of Dentistry, University of Athens, Greece
- 01/2009-06/2010 Research Associate, Department of Oral Health Policy and Epidemiology, Harvard School of Dental Medicine, Boston MA
- 03/2008-12/2009 Research Associate, Department of Experimental Medicine, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston MA

Licensure and certification

- 2014-present Orthodontic license, Greece
- 2009-2010 Faculty license to practice in Harvard Dental School, Boston MA
- 2007-present Dental license, Greece

Professional societies

- 2014-present Greek Association for Orthodontic Study and Research (EOGME)
- 2010-present American Association of Orthodontics, USA
- 2010-present American Cleft Palate-Craniofacial Association, USA
- 2007-present Dental Society of Karditsa, Greece

Awards and honors

- 2010-2011 Gerondelis Scholarship, Boston MA, USA
- 2001 Honor Student, 1st Lyceum of Karditsa, Greece

Report of clinical activities

- 09/2014-present Orthodontist, Private practice, Athens, Greece
- 07/2013-07/2014 Craniofacial Orthodontic Fellow, Hospital for Sick Children, Toronto ON, Canada

- 01/2009-04/2010 Dental Associate Practitioner, Pediatric Clinic of Harvard School of Dental Medicine
- 06/2007-02/2008 Dental Associate Practitioner, Private practice, Thessaloniki, Greece

Publications

- Antonarakis GS, Palaska PK, Herzog G. Caries Prevalence in Non-Syndromic Patients with Cleft Lip and/or Palate: A Meta-Analysis. *Caries Res* 2013;47(5):406-13
- Nicoletti P, Cartsos VM, Palaska PK, Shen Y, Floratos A, Zavras AI. Genomewide pharmacogenetics of bisphosphonate-induced osteonecrosis of the jaw: the role of RBMS3. *Oncologist* 2012;17(2):279-87
- Cartsos V, Palaska PK, Zavras AI. Brief Communication: Anti-Retroviral Prophylaxis and the 4. Risk of Cleft Lip and Palate: Preliminary Signal Detection in the FDA Medwatch Database. *Cleft Palate Craniofac J* 2012;49(1):118-21
- Palaska PK, Cartsos V, Zavras AI. Bisphosphonates and time to osteonecrosis development. *Oncologist* 2009;14(11):1154-66
- Palaska PK, Topouzelis N. A review of the clinical applications of elastic traction in Orthodontics. *World J Orthod* 2009;10(3):e12-8

Oral presentations

- Palaska PK, Zavras AI, Cartsos V. Signal detection for drug-induced clefts of the palate and/or lip in the FDA Medwatch database. Poster presentation, AAO, Washington DC, 05/03/2010
- Cartsos V, Palaska PK, Zavras A. Evaluating antiretroviral therapy in the risk of cleft lip and palate. Poster presentation, AAO, Washington DC, 05/03/2010
- Palaska PK. Bisphosphonates and time to osteonecrosis development. Poster presentation, International Society for Pharmacoeconomics and Outcomes Research 12th Annual European Congress. [ISPOR], Paris, France, 10/25/2009
- Palaska PK, Laspia A, Arhakis A. Behaviour management for children and adolescents with special needs.

**Alik Rontogianni**

DDS, MS

Clinical Instructor

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Education

- 2001 - present Phd candidate, National University of Athens, Dental School
- 2007 Master in Orthodontics
- 2003 - 2006 Certificate in Orthodontics and Masters in Orthodontics. From the International Postgraduate program in Orthodontics. The Maurice and Gabriela Goldschleger School of Dental Medicine. Tel-Aviv University. Israel, <http://www.dental.tau.ac.il>
- 1997 - 2002 University of Athens Faculty of Dentistry: Doctor of Dental Surgery. Degree achieved with 2:1(very good) <http://en.dent.uoa.gr> .

Working experience

- 2007 - present Self-employed private clinic Athens Greece.
- 2007 - present Clinical instructor in the Department of Orthodontics Athens University
- 2003 - 2007 Specializing in orthodontics by working on more than 100 patients in the clinic of Tel-Aviv University.
- 2002 - 2003 Clinical assistant at the full mouth clinic of the Dental Faculty of Athens University in the field of operative dentistry.
- Clinical assistant at the Orthodontic department of 401 military hospital.

Congress presentations

- 15-18 June 2011: 23rd Congress International Association of Paediatric Dentistry (IAPD) Athens Greece, <http://onlinelibrary.wiley.com/doi/10.1111/j.1365-263X.2011.01138.x/pdf>
- 27-28 Sep 2008: Oral presentation in the Pan-hellenic orthodontics congress, Athens, Greece.
- 26-29 Sep 2007: Oral presentation in the IADR congress Thessaloniki, Greece. Title: Effect of time on the durability of Orthodontic elastics.
- 4 Feb 2005: Oral presentation in annual meeting at the department of orthodontics of Hadassah School of dental medicine. Title: Skeletal and dental response to the functional magnetic system (FMS) case presentation.
- 17-19 May 2002: 9th Annual scientific student congress of the Dental School of the Athens University. Oral presentation. 1) Title: Diastema of upper central incisors. 2) Title: Heredetical fibromatosis of the gingival. 3) Poster Title-The value of superimposition in clinical and research orthodontics. 4) Round table presentation- Adjustment of lip bumper.

Memberships

- Greek Association for Orthodontic Study and Research
- Greek Dental Association
- World Federation of Orthodontics

**Mattheos Sanoudos**

DDS, MS

Clinical Instructor

Mattheos Sanoudos is a practicing orthodontist, a scientific collaborator at Athens University Dental School and a certified instructor in Problem Based Learning teaching methods. He earned his DDS in 1995 from Athens University then he continued his studies in USA where he received his Certificate in Orthodontics and PhD in Dental Sciences and Bone Physiology from Indiana University. He also held teaching various teaching positions at the same university in undergraduate and graduate level and received several awards and scholarships. Since 2003 has been teaching in Dental school of Athens. He is a member of the American Association of Orthodontists. His clinical interests focus on 'invisible' orthodontics. His research has been on the effects of hormones and chemical agents on bone development, the skeletal response in space flight and the effects of nicotine on osseous healing. He has been a speaker in many Greek and international meetings with topics related to his research and clinical work.

**Spyridon Yiagtzis**

DDS, MS

Clinical Instructor

El. Venizelou 7, N. Iraklio, 141-22, Greece
Phone: +30-210-2816948, +30-6932-408040**Education**

- 1985 - 1991 Dental School, University of Athens
- 2/1992 - 4/1992 Educational Centre of Healthcare in Air Force. At the 251 General Air Force Hospital, as part of my military service in the Air Force.
- 7/1994 - 9/1994 Orthodontics department of the School of Dentistry, Toronto Canada. I participated as a research assistant in two research projects.
- 1994 - 1996 Postgraduate Programme in Oral Biology.
- 10 / 1994-3 / 1998 Postgraduate Programme in Orthodontics, University of Athens Faculty Program.

Clinical Experience

- 6/1992 - 1/1993 Dentist at the 117 Combat Section in Andravida. As part of my military service in the Air Force.
- 1/1993 - 10/1993 Dentist in the Maxillofacial Surgery Clinic at the 251 Air Force General Hospital. As part of my military service in the Air Force.
- 1999 - 2000 Instructor of Orthodontics at the Dental Assistants department of I.E.K. of Heliopolis.
- 1998 - present Research Fellow at the Department of Orthodontics, Dental School.
- 1997 - present Private practice.

Selected publications

- Yiagtzis S. Ch., Charalampakis N.B. «The hyoid bone and the changes of its position in oral breathing and linguistic promotion». *Modern Dentist* 12: 109-117, 1992.
- Haralabakis N.B., Toutountzakis N.M., Yiagtzis S. Ch. «The Hyoid bone position in adult individuals with open bite and normal occlusion». *European Journal of Orthodontics* 15:265-271, 1993.
- Haralabakis N.B., Yiagtzis S. Ch., Toutountzakis N.M. «Cephalometric characteristics of open bite in adults: A three-dimensional cephalometric evaluation». *International Journal of Adult Orthodontics and Orthognathic Surgery* 8: 223-231, 1994.
- Haralabakis N.B., Yiagtzis S. Ch., Toutountzakis N.M. «Premature or delayed exfoliation of deciduous teeth and root resorption and formation». *The Angle Orthodontist* 64: 151-157, 1994.
- Panos C., Drepanidis O., Yiagtzis S. Ch., «The diagnostic value of biopsy of minor salivary glands of the lips in the differential diagnosis of sarcoidosis and Sjogren's syndrome». *Greek Files of Oral and Maxillofacial Surgery Magazine* 9: 53-57, 1994.

Appendix K

Appendix K - Monthly attending staff schedules.

Regular staff meetings are scheduled every two months.

Extra staff meetings are held as need arises.

Appendix L

Appendix L - Overview of the teaching staff.

Appendix L - Teaching staff - Table 1

On the table below, indicate the members of the teaching staff including the programme director who are scheduled to devote ONE-HALF DAY OR MORE PER WEEK specifically to the programme. Indicate the discipline of each staff member listed, the number of hours per week, and the number of weeks per year devoted to the programme.

Name	Discipline / Specialty	Hours per week	Weeks per year	Assignments†
Appointed Staff full-time				
Margarita Makou	Orthodontist	32	43	PA, CS, T, R
Demetrios Halazonetis	Orthodontist	16	43	PA, CS, T, R
Elias Bitsanis	Orthodontist	10	43	CS, T, R
Apostolos Tsolakis	Orthodontist	10	43	CS, T, R
Iosif Sifakakis	Orthodontist	10	43	CS, T, R
Part-time instructors (non-appointed)				
Gerasimos Angelopoulos	Orthodontist	4	43	CS, T
Georgios Damanakis	Orthodontist	8	43	CS, T
Marina Karamolegkou	Orthodontist	4	43	CS
Despina Koletsi	Orthodontist	4	43	CS, T
Dimitrios Konstantonis	Orthodontist	4	43	CS, T
Maria Nasika	Orthodontist	4	43	CS, T
Kleio Palaska	Orthodontist	8	43	CS, T
Aliki Rontogianni	Orthodontist	4	43	CS
Mattheos Sanoudos	Orthodontist	4	43	CS, T
Spyros Yagtzis	Orthodontist	4	43	CS

†CS - Clinical Supervision of residents, T - Teaching Didactic Sessions (lectures, seminars, courses), R - Research supervision of residents, PA - Programme Administration

Appendix L - Teaching staff - Table 2

Starting with the individual who has the greatest time commitment to the programme, list members of the attending staff or consultants who are scheduled to devote LESS THAN ONE-HALF DAY PER WEEK, BUT AT LEAST ONE-HALF DAY (OR MORE) PER MONTH specifically to the programme. Indicate the discipline of each individual listed, the number of hours per month, and the number of months per year devoted to the educational programme.

Name	Discipline / Specialty	Hours per month	Months per year	Assignments†

†CS - Clinical Supervision of residents, T - Teaching Didactic Sessions (lectures, seminars, courses), R - Research supervision of residents, PA - Programme Administration

Appendix M

Appendix M - Attach as Appendix M an overview of facilities and resources. For each item listed below, indicate whether the item is located within the dental clinic, outside the dental clinic but readily accessible to it or not available (check appropriate response).

Facilities, Capabilities/Equipment	Within department	Outside department but readily accessible	Not available
Orthodontic clinic	✓		
Electronic patient files	✓		
Model and records storage room	✓	✓	
Sterilization and disinfection facilities	✓		
Photographic set-up	✓		
Intraoral radiographic facilities		✓	
Extraoral radiographic facilities		✓	
Conebeam CT		✓	
Orthodontic laboratory facilities	✓		
Staff offices	✓		
Study areas	✓	✓	
Resident offices	✓		
Conference rooms	✓		
Computer and network facilities	✓		
Library		✓	
Orthodontic journals		✓	
3D dental cast scanner	✓		
Ultrasound Pie Medical Scanner 480	✓		

Library

The School of Dentistry has a library equipped with a computer room containing 15 workstations connected to the Internet. However, WiFi is available at the facilities of the Department of Orthodontics and students have WiFi access to the Internet, as well as access through the HEAL-link system (Hellenic Academic Libraries Link) that provides on-line access to the full text articles of a large number of scientific journals.

Model and Records Storage

Records of patients currently in treatment are stored in the clinic area. Retention records are transferred to a records storage room. Electronic records (mainly treatment records, clinical photographs and digital radiographs) of all patients are available online on computers in the clinic, the staff offices and the residents' common room.

The following Departments are collaborating with the Department of Orthodontics in research projects involving the postgraduate students:

Department of Oral Biology

Head: Dr. Heleni Vastardis

The Department of Oral Biology is in close collaboration with the Department of Orthodontics. Orthodontic residents have access to the facilities and research projects have been completed by previous residents (e.g. Drs. D. Dorotheou, M. Karamolegkou).

The laboratory of Oral Biology provides guidance to patient sample handling techniques, preparation and storage of the appropriate biological material in a -80o Freezer. The laboratory is fully equipped for isolation of DNA/ RNA from a variety of sources (e.g., blood, saliva, buccal swabs). We also perform Polymerase Chain Reaction (PCR) to amplify human specific DNA sequences for a wide and versatile range of applications. Other conventional procedures such as agarose and polyacrylamide electrophoresis and restriction nuclease mapping are routinely performed and visualized via a gel documentation system.

Department of Biomaterials

Head: Prof. G. Eliades

For details see:

<http://en.dent.uoa.gr/departments/biomaterials.html>

<http://en.dent.uoa.gr/departments/biomaterials/facilities.html>

Department of Biological Chemistry, Medical School

Head: Prof. A. Papavasileiou

Biomechanics Division, Head: Prof. E. Basdra.

Facilities for animal research:

Laboratory for Experimental Surgery and Surgical Research, Medical School, University of Athens.

Director: Prof D.N. Perrea

- Animal housing and care.
- Bone and soft tissue biochemistry laboratory.
- Experimental surgery with two operating rooms.
- Radiology with x-Ray Units.

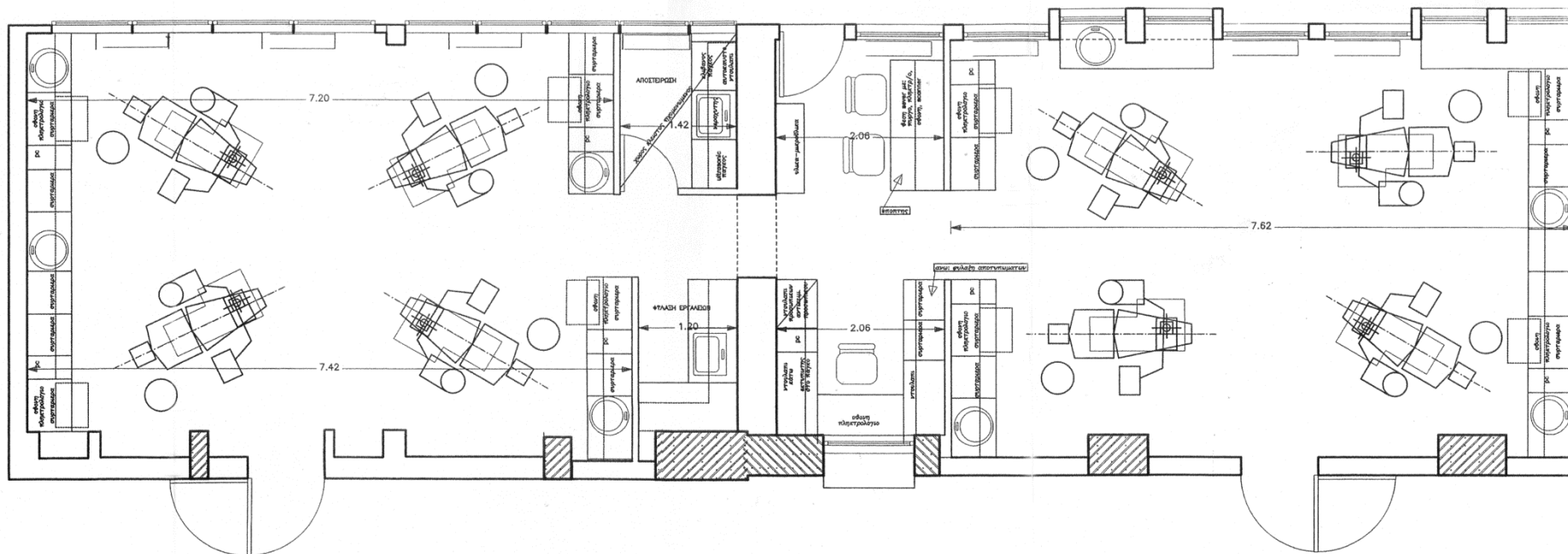
Laboratory of Research of the Musculoskeletal System, Medical School, University of Athens.

Director: Prof I. Dontas

- Animal housing and care.
- Bone biochemistry laboratory.
- Experimental surgery with two operating rooms.
- Department of Pathology and Bone Histomorphometry.
- Department of Biomechanics and kinesics.

Architectural Plan of the Postgraduate Orthodontic Clinic

The Clinic was constructed during the period that Prof. Kiliaridis was Head of the Department.



There are 8 dental units in two areas of 4 units each. The left part of the central area is used for cleaning and sterilization whereas the right part of the central area is used by the secretariat as well as by the clinic supervisors.

Appendix N

Appendix N - Attach as Appendix N the programme's outcomes assessment plan and outcomes measurements.

7.1

The national accreditation agency for higher education in Greece is HELLENIC QUALITY ASSURANCE & ACCREDITATION AGENCY (HQA) (<http://www.hqaa.gr/en/index.php>).

The latest evaluation of NKUA by HQA took place in 2010 and included an external evaluation by a 4 member committee who performed a site visit. The external evaluation report can be downloaded from this link:

http://www.hqaa.gr/external/UniAthens_Dental_2010.pdf

The above mentioned evaluation was not specific to the Department of Orthodontics but included the whole postgraduate Programme of the School.

7.2

The orthodontic programme has not been judged.

7.3

Courses are evaluated by the students at the end of each Semester; see Course Evaluation Form on following pages.

The Programme is evaluated by the staff at the end of each academic year and updates implemented. These include addition of new clinical techniques (e.g. mini-implants, lingual techniques), updates of the content of courses, updates of the reading list, introduction of new technologies (e.g. CBCT imaging, 3D models).

7.4

The programme is evaluated by following the career development of the graduating residents. The criteria include:

- Successful participation in the National Exams for the Specialty of Orthodontics, provided by the Orthodontic Committee of the Ministry of Health.
- Continuing research involvement and publications.
- Appointment to academic or administrative positions, related to Orthodontics.

7.5

Treatment satisfaction of patients treated at the Department was evaluated by a survey by Dr. I. Lyros in 2011. The results were part of a thesis submitted for a Master's Degree in Health Care Management.

A systematic process to evaluate quality of treatment and patient satisfaction has been implemented starting in 2015. The following procedure is followed:

Evaluation is performed during a week in the beginning of the spring semester, so that all new patients who started treatment in October-November have had sufficient time to become acquainted with the residents and treatment procedures. Questionnaires are given to all patients that attend the clinic during the evaluation week (estimated number: 150-200) and are asked to return them on their next visit. The questionnaires are anonymous and contain questions addressed to the parents and the patients. Questions use a Likert scale of 1 to 5 or are open-ended. A sample form (translated) is shown on the following pages.

7.6

All research is approved by the Ethics Advisory Board of the School. This ensures that commercial organizations do not influence the research projects.

All acquisitions of materials for treatment of patients are made following open contest among suppliers. Purchases are made from the lowest bidder.

COURSE EVALUATION FORM

Course Title:	
Instructor(s):	Date:

The instructor(s):

	Fair/Poor		Average		Excellent	
1. Presented content clearly and effectively in an organized manner.	1	2	3	4	5	
2. Prepared effectively the course including useful and current information.	1	2	3	4	5	
3. Responded well to student questions.	1	2	3	4	5	
4. Encouraged audience participation.	1	2	3	4	5	
5. Was (were) able to generate interest	1	2	3	4	5	
6. Was (were) able to relate the course to real life situations.	1	2	3	4	5	
7. Knew the subject matter.	1	2	3	4	5	
8. Was (were) approachable and willing to help me.	1	2	3	4	5	

The course:

	Fair/Poor		Average		Excellent	
9. Developed my abilities and skills for the subject.	1	2	3	4	5	
10. Content matched description in course guide.	1	2	3	4	5	
11. Materials/handouts were adequate.	1	2	3	4	5	
12. Was appropriate for the level of the class.	1	2	3	4	5	
13. Information was current and useful.	1	2	3	4	5	

	Too short		Appropriate		Too long	
14. Length was appropriate.	1	2	3	4	5	

Student Self-Evaluation Questions:

15. On average, how many hours totally have you spent on this course, including attending classes, doing readings, reviewing notes, writing papers and any other course-related work?	
16. How satisfied were you with your effort in this course? (Give a number on a scale from 1: not satisfied to 5: extremely satisfied)	

Open-Ended Questions:

What did you find was the most valuable part of this course?	
Do you have any suggestions on how the course could be improved?	
Other comments?	

Give your overall rating of the course (including instructors' rating):

0	1	2	3	4	5	6	7	8	9	10
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Department of Orthodontics - Patient satisfaction Questionnaire

Name and Tel. (optional): _____
Treating Resident: _____ Day of visit: _____
<input type="checkbox"/> I am currently under active treatment <input type="checkbox"/> I am under retention
For how long have you been treated in the Orthodontic clinic? _____

The treating doctor:	I disagree					I agree				
1. Is pleasant and polite	1	2	3	4	5	1	2	3	4	5
2. Listens with attention and interest	1	2	3	4	5	1	2	3	4	5
3. Works without unnecessary delays	1	2	3	4	5	1	2	3	4	5
4. Explains and answer any questions I may have	1	2	3	4	5	1	2	3	4	5
5. Does not cause any pain	1	2	3	4	5	1	2	3	4	5
6. Always wears mask and gloves	1	2	3	4	5	1	2	3	4	5
The supervisor:										
7. Supervises treatment at every visit	1	2	3	4	5	1	2	3	4	5
8. Discusses with the doctor the appropriate treatment	1	2	3	4	5	1	2	3	4	5
9. Always wears mask and gloves	1	2	3	4	5	1	2	3	4	5
10. Provides information regarding treatment progress	1	2	3	4	5	1	2	3	4	5
The clinic staff:										
11. Are pleasant and polite	1	2	3	4	5	1	2	3	4	5
12. Offers help and assistance whenever needed	1	2	3	4	5	1	2	3	4	5
General questions:										
13. I think that treatment progresses properly	1	2	3	4	5	1	2	3	4	5
14. Waiting time for the appointment is short	1	2	3	4	5	1	2	3	4	5
15. Working hours are convenient	1	2	3	4	5	1	2	3	4	5
16. Cost of treatment is reasonable	1	2	3	4	5	1	2	3	4	5
17. Methods of payment are convenient	1	2	3	4	5	1	2	3	4	5
18. Hygiene rules are strictly followed	1	2	3	4	5	1	2	3	4	5
19. The waiting area is pleasant	1	2	3	4	5	1	2	3	4	5
20. The clinic area is modern and pleasant	1	2	3	4	5	1	2	3	4	5

Other comments: (continue overleaf if necessary)

What are the positive points	
What are the negative points	
Other comments	

Mark you general impression from the Orthodontic Clinic:

bad

0	1	2	3	4	5	6	7	8	9	10
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 excellent

- END PAGE -
