

LIVIU STEIER

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Publications Website: https://www.researchgate.net/profile/Liviu_Steier
Blog: <http://drsteier-implantology.blogspot.com/>

TEACHING EXPERIENCE

Warwick University, Coventry, England

Clinical and Course Director

Honorary Associate Clinical Professor (2008 – 1st of May 2017)

- Founding the Master's of Endodontics Program (3 years part time including master thesis) and designing the curriculum for the full time residence program leading to Specialty Registration with the General Dental Council (GDC) including accreditation in the European Society of Endodontics and the European Union (EU)
- Recruiting the faculty for the Department of Endodontics
- Conducting clinical research and procuring research grants on topics including microbiology, new files for mechanical shaping, innovative chemical disinfection protocols, adhesive root canal obturation protocols, rehabilitation of the previously endo-treated tooth
- Supervising students' Master theses in the fields of maxillary sinusitis of dental origin, endodontics and dental implantology, revascularization, post and core, protocols for coronal rehabilitation

Royal College of Surgeons, Edinburgh, Scotland

Member of the Faculty of Dental Surgery (2011 – present)

- Examiner for the postgraduate diploma and membership level dental exams for the Faculty of Dental Surgery (FDS) and Faculty of General Dental Practice (FGDP)
- Examiner for the specialty admission in endodontics and prosthodontics where Membership in Restorative Dentistry (MRD) is the only qualification recognised as the end point of training in one of the mono-specialties of restorative dentistry in the United Kingdom (UK), i.e. endodontics, fixed and removable prosthodontics, periodontics

University of Manchester, Manchester, England

Course Leader MSc program (2008-2010)

- Designing the curricula for the MSc in Endodontics
- Teaching the MSc in Endodontics
- Supervising Master theses for the MSc in Endodontics (topic: innovative technology for direct pulp capping using smart dental materials)

University of Florence, School of Dental Medicine, Florence, Italy

Visiting Professor (2007 – present)

- Teaching the Curricula on the application of Ozone in Dentistry
- Research: Application of Ozone in Dentistry

Tufts University, School of Dental Medicine, Boston, MA

Visiting Professor (2007 – 2008)

- Teaching Continuing Professional Dental Education in Endodontics to general dental practitioners

University of Cologne, Cologne, Germany*Lecturer (Lehrbeauftragter) (2003-2004)*

- PhD thesis supervision: retreatability of root canal obturation performed with Resilon using K3 rotary files
- Teaching graduate Endodontics courses
- Teaching Continuing Professional Dental Education in Endodontics (CPD) for general practitioners (GPR)

University of Universität Witten/Herdecke, Witten, Germany*Lecturer (Lehrbeauftragter) (2000 – 2001)*

- Supervising PhD research and theses on the topic of Ozone Desinfection in Endodontics
- Teaching postgraduate students in Endodontics

CLINICAL EXPERIENCE**Private Practice, Praxis. Dres. med. dent. Steier, Mayen, Germany***Co-Founder, Co-Owner and Partner (January 1985 – present)*

- Founding, managing, and running a referral practice for special services in endodontics, implantology, prosthodontics and CMD (cranio-mandibular-disorder) treatment with Dr.med.dent. Regina Steier

Private Practice, MS Dentistry, London, England*Co-Founder, Co-Owner and Principle (October 2008 – April 2015)*

- Founding, managing, and running a referral practice for special services in endodontics, implantology, prosthodontics and CMD (cranio-mandibular-disorder) treatment with Mr. Siavash Mirfenderski, DDS, MSc;

PROFESSIONAL APPOINTMENTS

- Certified expert witness for trials before federal and state courts for the *German Society for Prosthetic Dentistry and Biomaterials* (DGPro, <https://www.dgpro.de>)
- Board member of the research group *Dental Biomaterials Science*, a community promoting rapid communication about dental materials science between academia, industry, and dental clinicians (www.dentalbmsr.org)
- Editorial Board Member of Reality Esthetics, (http://www.realityesthetics.com/portal/index.php?option=com_jreviews&Itemid=67)

SELECTED PUBLICATIONS**Double Peer Reviewed Journals (PubMed Listed)**

- Mohamed A, Steier L. Uncertain decision making in primary root canal treatment. May 2017 • article in press - *Journal of Evidence Based Dental Practice*
- Trindade AC, de Figueiredo JAP, de Oliveira SD, Barth Junior VC, Gallo SW, Follmann C, Wolle CFB, Steier L, Morgental RD, Weber JBB. Histopathological, Microbiological, and Radiographic Analysis of Antimicrobial Photodynamic Therapy for the Treatment of Teeth with Apical Periodontitis: A Study in Rats' Molars. *Photomed Laser Surg.* 2017 Mar 9. doi:10.1089/pho.2016.4102.
- Baldasso FE, Kopper PM, Morgental RD, Steier L, Figueiredo JA, Scarparo RK.

- Biological Tissue Response to a New Formulation of a Silicone Based Endodontic Sealer. Braz Dent J. 2016 Oct-Dec;27(6):657-663.*
- *Melo TA, Gründling GS, Montagner F, Scur AL, Steier L, Scarparo RK, Figueiredo JA, Vier-Pelisser FV. LPS levels in root canals after the use of ozone gas and high frequency electrical pulses. Braz Oral Res. 2016;30. pii: S1806-83242016000100231.*
 - *Longevity of Self-Etch Dentin Bonding Adhesives Compared to Etch-and-Rinse Dentin Bonding Adhesives: A Systematic Review, Nader Masarwa, Ahmed Mohamed, Iyad Abou-Rabii, Rawan Abu Zaghlan, Liviú Steier, Journal of Evidence Base Dental Practice 2016: [96-106] 1532-3382;*
 - *New Methodology to Evaluate Bond Strength of Root-End Filling Materials, Jorge Henrique Stefaneli Marques, Yara Teresinha Corrêa Silva-Sousa, Fuad Jacob Abi Rached-Junior, Jardel Francisco Mazzi-Chaves, Carlos Eduardo Saraiva Miranda, Silvio Rocha Correa da Silva, Liviú Steier, Manoel Damião Sousa-Neto, Brazilian Dental Journal 07/2015; 26(3):288;*
 - *Effect of Different Irrigating Solutions and Photo-Activated Therapy for In Vivo Root Canal Treatment, Fernanda Ullmann López, Patrícia Maria Poli Kopper, Alvaro Della Bona, Liviú Steier, José Antônio Poli de Figueiredo, Fabiana Vieira Vier-Pelisser, Brazilian Dental Journal 05/2015; 26(3):228-33;*
 - *Effect of Superoxidized Water and Sodium Hypochlorite, Associated or Not with EDTA, on Organic and Inorganic Components of Bovine Root Dentin, Alexandre Corrêa Ghisi, Patrícia Maria Poli Kopper, Flávia E R Baldasso, Caroline P Stürmer, Giampiero Rossi-Fedele, Liviú Steier, José Antonio Poli de Figueiredo, Renata Dornelles Morgental, Fabiana Vieira Vier-Pelisser, Journal of Endodontics 03/2015; 41(6);*
 - *Photodynamic Therapy in Endodontics: A Literature Review, Alessandra Cesar Trindade, José Antônio Poli De Figueiredo, Liviú Steier, João Batista Blessmann Weber, Photomedicine and Laser Surgery 02/2015; 33(3);*
 - *Rubber dam application in endodontic practice: An update on critical educational and ethical dilemmas, Hany Mohamed Aly Ahmed, Stephen Cohen, Gérard Lévy, Liviú Steier, Frederic Bukiet, Australian Dental Journal 12/2014; 59(4):457-63;*
 - *Shaping ability of single-file reciprocating and heat-treated multi-file rotary systems: a micro-CT study. M. F. V. Marceliano-Alves, M. D. Sousa-Neto, Fidel S. R. L. Steier, J. P. Robinson, J. D. Pécora, M. A. Versiani, International Endodontic Journal 11/2014;*
 - *Effect of super-oxidized water, sodium hypochlorite and EDTA on Dentin Microhardness. A C Ghisi, P M P Kopper, F E R Baldasso, C P Stürmer, G Rossi-Fedele, L Steier, J A P de Figueiredo, R D Morgental, F V Vier-Pelisser. Brazilian Dental Journal 10/2014; 25(5):420-4;*
 - *3D mapping of the irrigated areas of the root canal space using micro-computed tomography. M A Versiani, G De-Deus, J Vera, E Souza, L Steier, J D Pécora, M D Sousa-Neto. Clinical Oral Investigations 09/2014; 19(4);*
 - *Influence of Drying Protocol with Isopropyl Alcohol on the Bond Strength of Resin-based Sealers to the Root Dentin. K C Dias, C J Soares, L Steier, M A Versiani, F J A Rached-Júnior, J D Pecora, Y T C Silva-Sousa, M Damiao de Sousa-Neto. Journal of Endodontics 04/2014; 40(7):1-7;*
 - *Maxillary sinus unilateral aplasia as an incidental finding following cone-beam computed (volumetric) tomography. L Steier, G Steier, E J Doğramacı, G Rossi-Fedele. Australian Endodontic Journal 04/2014; 40(1):26-31;*
 - *S. Costa, Y. Silva-Sousa, F. Curylofo, L. Steier, M. Sousa-Neto, A. Souza-Gabriel: Fracture resistance of mechanically compromised premolars restored with polyethylene fiber and adhesive materials. International Journal of Adhesion and Adhesives 04/2014; 50;*
 - *F Plotegher, G B Leoni, L Steier, J D Pécora, M D Sousa-Neto, M A Versiani: Evaluation of Voids and Gaps in Oval-Shaped Canals Filled with Different Techniques using Micro-CT Imaging;*
 - *Micro-computed Tomography Study of Oval-shaped Canals Prepared with the Self-adjusting File, Reciproc, WaveOne, and ProTaper Universal Systems. M A Versiani, G BLeoni, L Steier, G De-Deus, S Tassani, J D Pécora, M D de Sousa-Neto. Journal of endodontics 08/2013; 39(8):1060-6;*
 - *Successful Dental Implant Placement Surgeries With Buccal Bone Fenestrations. L Steier, G Steier: Journal of Oral Implantology 04/2013; 41(1);*

- *Comparison of the Cleaning Efficacy of Self-Adjusting File and Rotary Systems in the Apical Third of Oval-shaped Canals.* M V de Melo Ribeiro, Y T Silva-Sousa, M A Versiani, A Lamira, L Steier, J D Pécora, M D de Sousa-Neto: Journal of endodontics 03/2013; 39(3):398-401;
- *Interaction between chlorhexidine-impregnated gutta-percha points and several chlorine-containing endodontic irrigating solutions.* G Rossi-Fedele, E J Dođramacı, L Steier, J A P de Figueiredo. International Endodontic Journal 12/2012; 46(7);
- *The effect of surface tension on the clinical performance of sodium hypochlorite in endodontics.* G Rossi-Fedele, J W Prichard, L Steier, J A P de Figueiredo: International Endodontic Journal 10/2012; 46(6);
- *Antagonistic Interactions between Sodium Hypochlorite, Chlorhexidine, EDTA, and Citric Acid.* G Rossi-Fedele, E J Dođramacı, A R Guastalli, L Steier, J A P de Figueiredo. Journal of endodontics 04/2012; 38(4):426-31;
- *Push-out strength of translucent fibre posts cemented using a dual-curing technique or a light-curing self-adhering material.* L Giachetti, D. S Russo, M Baldini, F Bertini, L Steier, M Ferrari. International Endodontic Journal 03/2012; 45(3):249-56;
- *Influence of pH changes on chlorine-containing endodontic irrigating solutions.* G Rossi-Fedele, AR Guastalli, E J Dođramacı, L Steier, J A P De Figueiredo. International Endodontic Journal 06/2011; 44(9):792-9;
- *Some factors influencing the stability of Sterilox®, a super-oxidized water.* G Rossi-Fedele, E J Dogramaci, L Steier, J A P de Figueiredo: British Dental Journal online; 210(12):E23;
- *Analysis of bovine pulp tissue dissolution ability by photodynamic therapy: An in vitro study.* L Steier, G Rossi-Fedele, M Acauan, PBianchini, M A Souza, J A Poli De Figueiredo. Journal of Dental Sciences 02/2011; 26(1):61-64;
- *Antagonistic irrigants between sodium hypochlorite, chlorhexidine, EDTA and citric acid.* G. Rossi-Fedele, E. J. Dogramaci, A. R. Guastalli, L. Steier, De Figueiredo, J. A. P. Journal of Endodontics 01/2011;
- *Bovine pulp tissue dissolution ability of HealOzone®, Aquatine Alpha Electrolyte® and sodium hypochlorite.* G Rossi-Fedele, L Steier, E J Dogramaci, Luigi C, G Steier, J A Poli De Figueiredo. Australian Endodontic Journal 11/2010; 39(2);
- *Evaluation of the antimicrobial effect of super-oxidized water (Sterilox (R)) and sodium hypochlorite against Enterococcus faecalis in a bovine root canal model.* G Rossi-Fedele, J A Poli de Figueiredo, L Steier, L Canullo, G Steier, A P Roberts. Journal of applied oral science: revista FOB 10/2010; 18(5):498-502;
- *Comparison of the interface dentin-endodontic sealer using two SEM magnifications Comparação da interface dentina-cimento endodôntico usando dois aumentos de MEV* L Steier, J A Poli De Figueiredo, S Belli. Journal of dental sciences 04/2010; 25:296-299.
- *Comparison of the interface dentin-endodontic sealer using two SEM magnifications.* L Steier, J A Poli de Figueiredo, S Belli. 12/2009; 25(3):296-299;
- *Endodontie - und dann? - Von der Wurzelkanalaufbereitung zur adhäsiven Versorgung - Von „A“ bis „Z“ in einer Sitzung (Endodontics – and than?- From root canal shaping to adhesive restoration).* L. Steier, S. Schrey. ZWR - Das Deutsche Zahnärzteblatt (The German Dental Journal) 01/2008; 117(01/02);
- *Wurzelkanalfüllungen mit Guttapercha. (Root canal obturation using gutta percha)* R. Beer, L. Steier. ZWR - Das Deutsche Zahnärzteblatt (The German Dental Journal) 06/2006; 115(6).
- *Cochrane and ozone.* L Steier. British Dental Journal 02/2006; 200(4).
- *Next adhesive endodontics: a single-step obturation and post technique.* L Steier, G Freedman. Compendium of continuing education in dentistry (Jamesburg, N.J.: 1995) 11/2004; 25(10A):827-8, 830.
- *Preventive resin filling with Ful Fil--pit and fissure sealants with Prisma shield.* L Steier: ZWR - Das Deutsche Zahnärzteblatt (The German Dental Journal) 11/1988; 97(10):878-83.

Peer Reviewed Journals

- *de Melo TAF, de Paula KB, Montagner F, Scur AL, Steier L, Scarparo RK, de Figueiredo JAP, Vier-Pelissera FV. Antibacterial effectiveness of ozone gas and high-frequency electrical pulses over Enterococcus faecalis. Mar 2017 • Endodontic practice US*

- Souza MA, Steier L., Rossi-Fedele G., Júnior VB, De Figueiredo JAP. Effectiveness of photodynamic therapy and sodium hypochlorite on root canal system infected with *Enterococcus faecalis* – An in vitro study. Dec 2016 • *Revista Odonto Ciência*
- Zechin JG, Steier L., Rossi-Fedele G., Gründling GL., de Figueiredo JAP. Comparative analysis of microbial reduction using photodynamic therapy in bovine teeth infected with *Enterococcus faecalis* – an in vitro study. Dec 2016 • *Revista Odonto Ciência*
- *Keramik Reparatur mit Silan (How to repair ceramic abrefaction using silan)*, **Phillip Journal** 6/363-365/1987;
- *Herstellung von Indirekt Inlays mit dem Kunststoff Full Fill (Manufacturing of indirect inlay using Full Fill dental resin)*, **Zahnarzt Magazin** 1 /30- 36/1998;
- *Angst und Schmerzkontrolle in der Zahnärztlichen Praxis (Controlling fear and pain in the dental environment)*, **Phillip Journal** 2/ 123-127/1989;
- *Metallbedingte Optimierung der Randgestaltung – Apollo IST (Inlay Steier) (Optimizing the marginal fit using metalic resorationmade out of - Apollo IST)*, **Quintessenz Zahntechnik**, 12/1475- ff/1996;
- *Die stereographische Kauflächenaufzeichnung oder das FGP (The stereographic occlusal registration using the functional generated path)*, **Quintessenz Zahntechnik** 23,7/858-867/1997;
- *Eine adhäsive Restaurationsfamilie (An adhesive restorative family)*, **ZMK (Journal of Teeth – Mouth and Bone Science)** 19 11/799-801/2003;
- *Die funktionelle Wiederherstellung der unilateralen Freindlücke (The functional rehabilitation of the unilateral tooth gap)*, **ZMK (Journal of Teeth – Mouth and Bone Science)** 1-8/2004;

Non-Peer Reviewed Journals

2011

- *Reality check on electronically controlled endodontic motors.* Endo Tribune UK 2011 January;

2010

- *Appraising the true value of Decision – Making Process for Tooth Retention or Extraction.* Dental Tribune UK – 2010;
- *Implant supported restoration using telescopic technology.* Dental Tribune UK - 2010
- *A light at the end of the tunnel?* Dental Tribune UK – 2010;
- *Verwendung der Evidenz für die implantologische Entscheidungsfindung (Using the evidence for decision making in Impalntology).* ImplantTribune Germany 2010;
- *Application of PAD in clinical dentistry and the literature evidence Dentistry.* Dental Tribune UK 2010 December;

2009

- *Evidence on immediate implant placement.* **Dental Tribune UK** – 2009;
- *Reality check on extraction socket grafting.* **Dental Tribune UK** – 2009;
- *Implantology - a complex science.* **Dental Tribune UK** – 2009;
- *Choosing wisely.* **Dental Tribune UK** – 2009;
- *One versus multiple session endodontic treatment.* Dental Tribune UK – 2009;

2008

- *Single Tooth Replacement.* **Implant Dentistry Today** – 2008, 2 – 2;
- *The ethics of referral.* **Private Dentistry** - 2008 July/August;
- *A problem shared I.* **Private Dentistry** - 2008 September;
- *A problem shared II.* **Private Dentistry** – 2008 October;
- *A problem shared III.* **Private Dentistry** – 2008 November;

2007

- *The "Comp-up" Technique-Efficiency for Direct Composite Restorations*, **Dentistry Clinical** 10_2007;
- *Gold foil restoration: A Never Ending Beauty*, **Dentistry Clinical** 11_2007;
- *The Endodontologic - Implantologic Dilemma*, **Endodontie Journal (German Journal of Endodontics)** 4/2007;
- *Introducing minimal invasive sinus elevation —the Balloon Lift approach*. DENTAL TRIBUNE United Kingdom Edition November 2–8, 2007

2006

- *The Functional Reconstruction of Unilateral Free End Gaps after giving Due Consideration to Posterior Maxilla and Antrum Reconstruction*, **Implants** 1/2006;
- *Reinigung der Wurzelkanaloberfläche (Cleaning the Root Canal Surface)*, **Dental-Praxis (Dental Practice)** XXIII, Heft 3/4-2006;
- *Die rotierende Wurzelkanalaufbereitung (Rotary Root Canal Shaping)*. **Dental Zeitung (German Dental Journal)** 3/2006;
- *Novel Irrigants for Canal Disinfection*, **Endo Tribune** 11/ 2006;

2005

- *Endodontie und Implantologie – ein Fließendes Kontinuum (Endodontics and Implantology – a Fluid Continuum)*, **Implantologie Journal (German Journal of Implantology)** 2/10-13/2005;
- *Wurzelfüllung mit Resilon statt Guttapercha (Root Canal Obturation Using Resilon to Replace Gutta-Percha)*, **Dental Zeitung (German Dental Journal)** 2/60-64/2005;
- *Ozon in der Endodontie (Ozone in Endodontics)*, **Dental-Praxis (Dental Practice)** XXII, 5/6-2005;
- *Antibakterielle Wirkung von Ozon (Antibacterial Activity of Ozon)* **Dental-Praxis (Dental Practice)** XXII, 9/10-2005;

2004

- *Die Funktionelle Wiederherstellung der Unilateralen Freiecklücke (the Functional Rehabilitation of the Unilateral Gap)*, **ZMK (Journal of Teeth – Mouth and Bone Science)** 1-8/2004;
- *Aufbereitung Gekrümmter Kanäle mit dem K3-System (Shaping curved canals using the K3 system) - Endodontie Journal (German Journal of Endodontics)* 3/12-17/2004
- *A Modified Thermomechanical Root Canal Compaction Technique Using Synthetic Polymer-Based Root Canal Filling Material (Resilon)*, **Oral Health** 12/34-41/2004;
- *Eine Modifizierte Thermomechanische Wurzelfülltechnik unter Anwendung eines Synthetischen Thermoplastischen Polymers (Resilon™) (A Modified Thermomechanic Root Canal Obturation Approach Using a Synthetic Thermoplastic Polymer Resin)*, **Endodontie Journal (German Journal of Endodontics)** 4/28-31/2004

2003

- *A New Perspective on the Endodontic Restorative Continuum*, **Endodontic Therapy** Vol 3/2;
- *Wurzelkanalbehandelte Zähne im Kontext adhäsiver Techniken (Root Canal Treated Teeth in the Context of Adhesive Rehabilitation)* **ZMK (Journal of Teeth – Mouth and Bone Science)** 19-5/2-5/2003
- *Einführung einer Neuen Adhäsiv-Restaurativen Familie (Introducing a New Family of Restorative Adhesives)* **Read It** 2003;
- *Die Dreidimensionale Vertikale Wurzelfüllung mit Resilon und Epiphany (The Three Dimensional Vertical Root Canal Obturation Using Resilon and Epiphany)*, **Endodontie Journal (German Journal of Endodontics)** 4/47-49/2003;

2002

- *Die funktionelle Wiederherstellung der unilateralen Freiecklücke unter besonderen Berücksichtigung der posterioren Maxilla (Functional Rehabilitation of the Maxillary*

Unilateral Gap), **ZMK (Journal of Teeth – Mouth and Bone Science)** 18-09/2-5/2002;

2001

- *Mukogingivalchirurgie bei Multiplen Rezessionen der Miller- Klasse II (Mucogingival surgery of multiple recession – Miller class 2)*, **Dental – Praxis (Dental Practice)** XVIII/ 1-2-2001;
- *Von Gutta Percha zu Resin Percha - eine neue Ära in der Endodontie (From Gutta – Percha to Resin – Percha, a New Era in Endodontics)*, **Zahntechnisches Magazin (Journal of Dental Techniques)** 7/577-579/2001;

1997

- *Apollo IST – eine Inlaylegierung zur Optimierten Randgestaltung (Apollo IST Inlay Steier – an alloy for marginal optimization)*, **Dental Spiegel (Mirror of Dentistry)** 10/1997;

1992

- *Testsatz zur Verträglichkeitsprüfung des Zahnersatzes (Biocompatibility test kit for restorative dentistry)*, **Deutsche Zeitschrift für Biologische Zahnmedizin (German Journal of Biologic Dentistry)** 8-3/113-116/1992;

1990

- *Petadolex – Ein Spasmoanalgetikum und die Muskulären Kopfschmerzen (Petadolex – a Spasmo – Analgetic and the Muscular Headache)*, **Deutsche Zeitschrift für Biologische Zahnmedizin (German Journal of Biologic Dentistry)** 6/114-116/1990;

1988

- *Stellenwert eines local wirksam Phytotherapeutikum in der zahnärztlichen Praxis (Clinical relevance of a local phyto- pharmaceutical for use in clinical dental practice)*, **Deutsche Zeitschrift für Biologische Zahnmedizin (German Journal of Biologic Dentistry)** 3/102-105/1988;

Books

- *Clinical Decision Making In Endodontics (Liviu Steier, Editor) (Wiley-Blackwell) (forthcoming 2018)*

Book Chapters

- “Ozone the Revolution in Dentistry” by Eduard Lynch - 2005
 - Chapter 4.5 Ozone an adjuvant for Long – term Success in Restorative Dentistry
 - Chapter 4.6 Ozone Application in Root Canal Disinfection
 - Endodontology by Michael A Bauman and Rudolf Beer - 2007
(originally published in German & translated into English – Spanish – Portuguese)
 - Mechanical Shaping of the Root Canal / Reinigung (Cleaning):
 - Electrochemically Activated Water
 - Photoactivated Disinfection
 - Ozone
 - Root Canal Obturation:
 - Chapter 33: Gutta-percha Substitute: Resilon
 - “Tratamento de Canais Radiculares” third edition by Mario Roberto Leonardo and Renato Leonardo de Toledo - 2012
 - Chapter 26 Tratamiento de canales radiculares versus implantes
 - “Food Law International” by Gabriela Steier / Kiran Patel
 - Intersections of Dental Health and Food Law: Systematic Flouridation as a Public Health Instrument to Prevent Tooth Decay
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SELECTED INTERNATIONAL LECTURES AND PRESENTATIONS

2015

- *A Decision Making Protocol for Choosing Root Canal Shaping Instruments* - The European Society of Endodontology Conference – Barcelona, Spain - 18th of September
- *A Decision Making Protocol for Choosing Root Canal Shaping Instruments* – Israel Endo Days Tel-Aviv - 25th of November 2015

2014

- *My Choice: Single Versus Multiple File Systems, Conventional Movement Versus Reciprocation?* Dentistry Show Birmingham – UK.
- *To save or to extract.* EndoPlus Akademie –Cologne, Germany. 14th of March 2014
- *My Choice: Single Versus Multiple File Systems, Conventional Movement Versus Reciprocation?* 4th International Endodontic Congress – Moscow. 5th -6th of April 2014.

2013

- *To save or to extract.* British Dental Association – London. 8th of March 2013
- *Poster presentations* at the 16th European Society of Endodontics Biennial Congress Lisbon, Portugal. 12–14 September 2013
 - *Investigating the Role of Cone Beam Computed Tomography in the Diagnosis of Maxillary Sinusitis of Dental Origin.*
 - *Questionnaire on the Irrigation Protocols of UK Endodontic Specialists.*
 - *Endodontics and implantology – enemies or allies?*
 - *One step revascularization for the apexogenesis of a necrotic immature maxillary central incisor*
 - *The use of intentional replantation for the retention of a complicated crown- root fractured maxillary central incisor in a 10 years old male patient*
 - *Clinical aids for the detection and negotiation of accessory canals and isthmuses in the mesial root of mandibular molars during surgical and non-surgical root canal treatment*
 - *One step revascularization for the apexogenesis of a necrotic immature maxillary central incisor*

2012

- *Optimised posterior composite restorations.* British Dental Association – London. 24th February 2012
- *Poster presentations* at the IADR/LAR General Session (June 20-23, 2012) - Iguazu Falls, Brazil:
 - *Micro-Computed Tomography Evaluation of Root Canal Preparation With Single-File Systems.*
 - *Impact of direct restoration techniques on fracture resistance of premolars.*
 - *Push-Out Bond Strength Evaluation of Resin-Based Obturation Systems.*
 - *Micro-Computed Tomography Evaluation Of Root Canals Obturated With Different Techniques*
- *Controversies in Clinical Endodontics.* Endodontic Day at Warwick Dentistry. 2012 June
- *To save or to extract.* World Congress of Implant Aesthetics. 2012 October
- *To save or to extract.* British Dental Association – Manchester. 12th of October 2012
- *Einsatzbereich von ästhetisch ansprechenden Provisorien (Indication and use of esthetic long term temporaries).* Düsseldorf, Berlin, München, Hamburg
- *To save or to extract / To post or not to post.* Al IIIlea Congres de Medicina Dentara Transilvania Cluj (The 3rd Congress of Dentistry). 4-6 October 2012

2011

- *Optimized posterior composite restorations.* British Dental Association – Newcastle. 18th November
- *To save or to extract.* Invited lecturer - University of Ribeirao Preto – Brazil
- *To save or to extract.* Invited lecturer - Pontifical Catholic University of Rio Grande del Sul - Brazil
- *To save or to extract .* Keynote speaker - Congresso Odontologico de Arraraquara - Brazil
- *To save or to extract.* Invited lecturer - Universidade de Sao Paulo – Brazil

2010

- Master of Science in Aesthetic and Restorative Dentistry – University of Manchester
- *The Art and Science of Fundamental Dentistry* – DT Study Club

2009

- *The Endo – Implantologic Continuum*. International Congress RDAPP - Bucharest / Roumania. 18-20 March 2009
- *Adhesive dentistry – the ultimate keys to success*. The Clinical Innovations Conference London - 15-16 May 2009
- *Imagination and innovations in adhesive dentistry*. Annual Congress of the Israeli Dental Association Tel Aviv - Israel - 26th and 27th of November, 2009

2008

- *Introduction to Implantology*. Tufts University School of Dental Medicine- 28th February 2008
- The atraumatic tooth extraction. 2nd Bone Management Symposium – University of Witten Herdecke
- *Pearls of Endodontic Success*. Congresso Odontologico Rio Grandense / Brazil - 08-12-07.2008
- *Bone Management part 1*. British Dental Association UK. 17-18.10.2008
- *Bone Management part 2*. British Dental Association UK. 17-18.10.2008
- *Bone Management part 3*. British Dental Association UK. British Dental Association
- *Odontoiatria Innovativa (Inovative Dentsitry)*- University of Florence - 19/20 09 2008
- *Aesthetic and Restorative Dentistry*. The Clinical Innovations Conference London. 16-17 May 2008

2007

- *Neue Spülprotokolle in der Endodontischen Therapie (New irrigation protocols for endodontic therapy)*. Academy of Dres Schupp / Neumann. 17th January 2007
- *Troubleshooting and Problem Solving in Dentistry*. Norfolk and Norwich Institute for Medical Education NANIME. 21st April 2007
- *Excellence with Composites*. Norfolk and Norwich Institute for Medical Education NANIME - 20th of April 2007
- *The Endo Implantologic Continuum*. Norfolk and Norwich Institute for Medical Education NANIME - 8th September 2007
- *State of the Art Endodontics*. Norfolk and Norwich Institute for Medical Education NANIME 7th September 2007
- *The Art of Endodontics and Restorations*. 4th International Conference Kiev - 5-6th April 2007
- *Minimal Invasive Bone Manipulation*. Clinical Innovation Conference London - 11th – 12th May 2007
- *The London Bone Management part 1*. British Dental Association UK. 23 – 24th November
- *The London Bone Management part 2*. British Dental Association UK 07-08th December
- *Perfection in anterior and Posterior composite* - Independent Seminars London - 30th November

2006

- *How to provide excellent crowns*. Norfolk and Norwich Institute for Medical Education NANIME. 9th December 2006
- *State of the Art Bone Augmentation*. Norfolk and Norwich Institute for Medical Education NANIME. 8th December 2006
- *New Classification for reinforcement of previous endodontic treated teeth*. Joint Congress of the DGZPW (German Society of Prosthetic Dentistry) and the Swiss Society of Reconstructive Dentistry. 27-30 April 2006
- *The current status of Root Canal Obturation*. Curricula of Endodontics. Philipp Pfaff Institut der Zahnärztekammer Berlin. March / June 2006
- *The current status of Root Canal Obturation*. Curricula of Endodontics. Karl Häupl Akademie Düsseldorf der Zahnärztekammer Nordrhein-Westfalen. June 2006
- *The current status of Root Canal Obturation*. Curricula of Endodontics. Zahnärztliches Fortbildungszentrum Stuttgart der Zahnärztekammer Baden – Württemberg. June 2006
- *The current status of Root Canal Obturation*. Curricula of Endodontics. Universität Witten Herdecke. May / June 2006
- *Update on Irrigation protocol*. ROOTS SUMMIT Amsterdam. June 2006

- *Endodontics /Adhesive Dentistry*. Queens University Belfast - March/May 2006
- *Endodontics/Adhesive Dentistry*. London - Continuing Dental Education. March/April/May 2006
- *The current status of Root Canal Obturation*. Philipp Pfaff Institut der Zahnärztekammer Berlin

2005

- *Postendodontic rehabilitation*. Harrani Academie Germany. 04 March 2005
- *Endo / Restorative Continuum* - Norfolk-Norwich University Hospital
- *21st Century Dentistry*. National Health Services Aberdeen - Continuing Dental Education
- *21st Century Dentistry*. MANDEC (Manchester) - Continuing Dental Education
- *Bionics of Tooth Reconstruction*. Academy of Microscopic Enhanced Dentistry Tucson Arizona. October 2005
- *Research Presentation*. ESE Meeting European Society of Endodontics. September 2005 Dublin
- *Irrigation protocols in endodontics*. Tufts University Boston. Continuing Dental Education. October 2005
- *Excellence in Aesthetic Dentistry*. Norfolk/Norwich University Hospital (UK) December 2005
- *Placing successful Comp. Rest.* Norfolk/Norwich University Hospital (UK) December 2005
- *The Endodontic Continuum*. Queens University Belfast (program performed several times during 2005)
- Postgraduate Education Endodontic. University Witten-Herdecke 2005
- *Undergraduate Education*. University of Cologne
- *Ozone the Revolution in Dentsitry* - HealOzone Science Meeting. International Dental Show – Cologne. 14th of April 2005

2004

- *Restoration of Ozone treated carious lesions*. IADR – Irish Division - 30-31 JANUARY
- *The Endo Restorative – Continuum*. Roots Summit IV - 23-27 June 2004
- *Direct Composite Restorations*. Verbond der Vlaamse Tandartsen - 20 March 2004
- *Direct Posterior Composite Restorations* - The Clinical Innovation Conference 28-29 March 2004
- *Epiphany it's time to Seal The Root*. National Korean Dental Exhibition. 3 September 2004
- *Epiphany von Guttapercha zu Resinpercha (Epiphany from Guttapercha to Resinpercha)*. Deutsche Endo Gesellschaft (German Society of Endodontics) 21 Oktober 2004
- *Postendodontische Restauration (Postendodontic rehabilitation)*. Endo – Plus Akademy – Cologne.
- *Endodontic Irrigation*. Queens University Belfast. November 2004

2003

- *The Perfect Coronal Seal*. Roots Summit III. 18-21 June 2003

2002

- *The Endo Restorative-Continuum*. Roots Summit II. 06-09 June 2002

Poster presentations at several IADR sessions

- *15-months Sealant Retention Over Ozone-treated Occlusal Caries*. L Steier, E Lynch, and G Steier;
- *Dentists Attitudes to using Ozone, a pilot study*. L. Steier , G Steier, R Freeman, P Lamley, H Domingo, and E Lynch;
- *Patients Attitudes to Managing Caries with Ozone*. L Steier, G Steier, R Freeman, H Domingo, and E Lynch;
- *Ozone and Sealant Treatment of Root Caries*. L Steier, and G Steier;
- *Evaluation of gap formation with two resin based canal sealers*. S Belli, S Akman, O Kahveci, M Akman, and L Steier;
- *Patients Attitudes to Caries Management using Ozone*. L Steier, G Steier, R Freeman, H Domingo, and E. Lynch;
- *Ozone and Sealant Treatment of Leathery Root Caries after 32-Months*. L Steier, G Steier, and E Lynch;

- *Three Techniques for Resilon Retreatment*. SM Schrey, L Steier;
- *Restoration of Ozone treated carious lesions*. L Steier;
- *Ozone and Sealant Treatment of Root Caries after 6-Months*. L Steier, G Steier, and E Lynch;
- *Ozone and Sealant Treatment of Root Caries*. L Steier, and G Steier;
- *Ozone and Sealant Treatment of Leathery Root Caries after 32-Months*. L Steier, G. Steier, and E Lynch;
- *27-month Sealant Retention Over Ozone-treated Fissure Caries*. L Steier, G Steier, E Lynch;
- *Older Patients Attitudes to Managing Caries with Ozone* L Steier, G Steier, H Domingo, and E. Lynch
- *Obturation quality using a preloaded plastic carrier*. L Steier, E Lynch, and R Beer;
- *Micro-Computed Tomography Evaluation of Root Canal Preparation With Single-File Systems*. MA Versiani, L Steier, GB Leoni, G De-Deus, JD Pecora, and MD Sousa-Neto;
- *Impact of direct restoration techniques on fracture resistance of premolars*. SG Costa, YTC Silva-Sousa, FA Curylofo, L Steier, MD Sousa-Neto, and AE Souza-Gabriel;

PROFESSIONAL APPOINTMENTS

- Photomedicine and Laser Surgery, Reviewer 2014 – to present
- Journal of Dental Education, Reviewer 2014 – to present
- British Dental Journal, Reviewer 2012 – to present
- ProDental CPD, Board Member 2012 – present
- Brazilian Dental Journal, Editorial Board Member 2013 – to present
- Journal of Endodontics, Scientific Advisory Board Member 2009 to present
- Reality Endo, Editor-in-Chief 2008-2014
- Private Practice (Journal) (UK), Editorial Board 2008-2012
- Dental Tribune UK, Clinical Editor 2009 - 2011
- Dentsply Maillefer, Certified Official Educator 2011

DENTAL INDUSTRY CONSULTING

- 3 M Medica, consulting about adhesive resins in restorative dentistry(1988 – 1990)
- Dentsply, consulting about mechanical root canal shaping instruments in endodontics (2002-2004)
- Ivoclar Vivadent, consulting about adhesive root canal obturation materials and posts in endodontics (2008 – 2009)
- Coltene – Whalendent, consulting about adhesive root canal obturation materials and posts in endodontics (2008-210)
- Kerr – SybronEndo, member of the ACE /consulting about root canal obturation materials, mechanical shaping instruments in endodontics(2006-2010)
- Micro Mega, consulting about root canal shaping instruments in endodontics (2008 – 2015)

ACADEMIC GRANT FUNDING

From KAVO to research the application of Ozon in endodontics.

From Septodont to research the adhesion of Biodentin to dentin.

From Kerr – SybronEndo to research efficacy new adhesive root canal obturation.

From Coltene to research the properties of a new root canal obturation sealer.

From MicroMega to research the efficacy of a new rotary file.

From Meisinger to research the efficacy of an atraumatic extraction device.

From Argon Dental to research the efficacy of a new pin.

PATENT

Publication number	DE102012110545 A1
Publication type	Application
Application number	DE201210110545
Publication date	May 8, 2014
Filing date	Nov 5, 2012
Priority date 	Nov 5, 2012
Also published as	DE102012110545B4
Inventors	Liviu Steier
Applicant	Liviu Steier

PATENT CITATIONS

Cited Patent	Filing date	Publication date	Applicant	Title
DE718062C *	Jul 5, 1939	Feb 28, 1942	Friedrich Boeger	Stiftzahnanker fuer handgebrannte Vollporzellankronen mit einem Wurzelstift aus unedlem Metall
DE19847567B4 *	Oct 15, 1998	Jun 8, 2006	Hahn, Rainer, Dr.	Unabhängiges Verstärkungselement zur Verwendung bei der Restauration von Zähnen sowie Werkzeug zum Anbringen eines solchen
US4622012 *	Mar 27, 1985	Nov 11, 1986	Smoler Lewis S	Dental post system

* Cited by examiner

REFERENCED BY

Citing Patent	Filing date	Publication date	Applicant	Title
DE102014105793B3 *	Apr 24, 2014	Jun 3, 2015	Technische Universität Dresden	Wurzelkanalstift sowie Verfahren zu dessen Herstellung

* Cited by examiner

CLASSIFICATIONS

International Classification	A61C5/02
Cooperative Classification	A61C13/30

LEGAL EVENTS

Date	Code	Event	Description
Nov 5, 2012	R012	Request for examination validly filed	
Mar 22, 2013	R016	Response to examination communication	
May 7, 2014	R018	Grant decision by examination section/examining division	
May 29, 2015	R020	Patent grant now final	

PROFESSIONAL MEMBERSHIPS

- European Society of Endodontics Certified Member 2005 to present
- International member - American Association of Endodontists 2004 to present
- Deutsche Gesellschaft für Endodontie 2004 to present
- Fellow of International Congress of Oral Implantologists 1996 to present
- The Implant Prosthodontic Section of the ICOI 1998 to present
- American Academy of Periodontology 1996 - to present
- European Association of Dental Implantologists / Bundesverband der implantologisch tätigen Zahnärzte – BDIZ / EDI 1996 to present
- German Society of Dental Implantology (Deutsche Gesellschaft f. Zahnärztliche Implantologie) 1995 – to present
- German Society for Periodontology (Deutsche Gesellschaft für Parodontologie) 1995 - present

- American Academy of Gold Foil Operators 1994 - 2000
- R.V. Tucker – Academy Gold Cast Restorations and Cofounder of the German Study Club in Düsseldorf 1993 - 2000
- Fellow of European Academy of Gnathology 1989 to 2005

CERTIFICATIONS, QUALIFICATIONS AND PROFESSIONAL APPOINTMENTS

Reviewer for the "Journal of Dental Education" (<http://www.jdentaled.org/>) 2014 to present

Reviewer for "Photomedicine and Laser Surgery" (<http://www.liebertpub.com/pho>) 2014 to present

Board of Editors - Brazilian Dental Journal (<http://www.scielo.br/revistas/bdj/pedboard.htm>) 2013 to present

Reviewer for the Brazilian Dental Journal 2010 to present

Reviewer for the British Dental Journal (<http://www.nature.com/bdj/index.html>) 2012 to present:

Board ProDental CPD (http://www.prodentalecpd.com/editorial_board) 2012 to present

Certified Official Dentsply Maillefer Educator 2011 to present

Scientific Advisory Board Journal of Endodontics 2009 to present:

Clinical Editor – Dental Tribune UK 2009 – 2011

Board of Editors – Private Practice (UK) 2008 – 2012

Editor in Chief – Reality Endo 2008 – 2014

Registration on the Specialist List in Endodontics – General Dental Council UK 2008

Editorial Board – Reality Esthetics 2007 to present

Who Is Who – Germany /Switzerland / Austria 2007

Fellowship of the "Royal Society of Medicine" London – UK 2006 to 2014

Certification (recertification 2015) and registration on the Specialist in Prosthetics with Further Education of the DGPro (Spezialist für Prothetik) 1997 to present

Editorial Board Clinical Research Foundation 2004 to 2009

Fellowship of the "International Academy for Dento - Facial - Esthetics" 2004 to present

Certified and recertified „Tätigkeitsschwerpunkt Implantologie“ (Dentist with Special Interest) - Dental Council Rhineland Palatinate (with actual recertifications) 2003 to present)

Qualification and certification in Dental Hypnosis 2003

Certified Neuro Linguistic Programing Practitioner 2003

Certificate in Dental Implantology – Bundesverband der niedergelassenen implantologisch tätigen Zahnärzte in Deutschland - European Association of Dental Implantologists- (BDiZ – EDI) 1998

Fellowship of the "International Congress of Oral Implantology" 1996 to 2015

Fellowship of the "International Academy of Gnathology" – European Divison

Certificate in Implantology – The Misch Implant Center 1997 – 2012

Dr.med.dent. – Ministry of Research and Science - Ministerium für Forschung und Wissenschaft Düsseldorf (Eurydice / European Glossary of Education - Examinations, Qualifications and Titles → ISCED 6 = PhD) 1983

Graduation DDS – University of Medicine and Pharmacy Carol Davila – Bucharest /Roumania 1982

LANGUAGES

ENGLISH, GERMAN, FRENCH, ROMANIAN – *fluent*

SPANISH, HEBREW – *conversational*

