

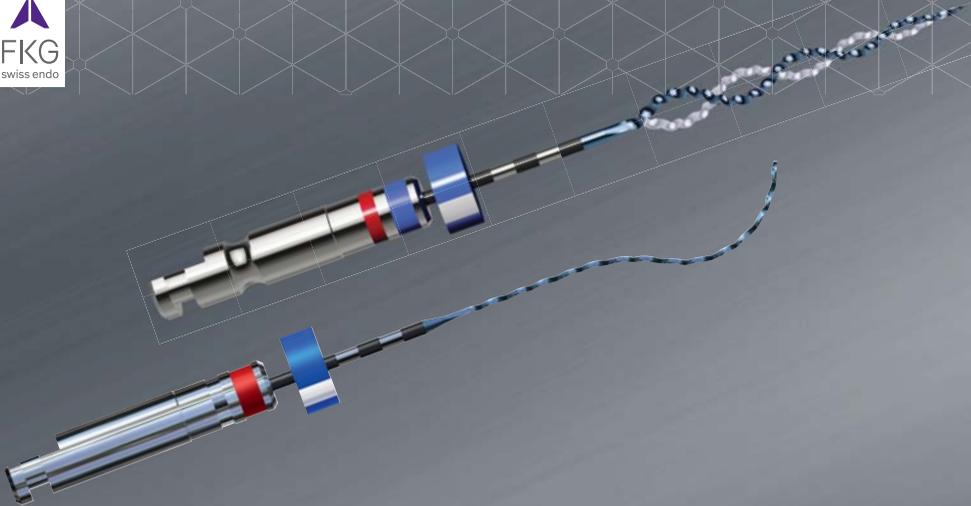
# 5<sup>th</sup> International Congress of the Austrian Society of Endodontology

December 6-8, 2018  
Palais Ferstel, Vienna/Austria



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# ENDODONTICS



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### Endodontie in Vienna

Like every second year we and the Board of the ÖGEndo (Austrian Society for Endodontology) have the great pleasure to invite you to our International Endodontic Congress in Vienna. From December 6<sup>th</sup> to 8<sup>th</sup>, 2018, renowned lecturers and innovative companies will once again come to the Palais Ferstel in Vienna.

A very interesting event awaits you with exciting workshops and current lectures. Let yourself be endodontically enthusiastic and celebrate the 10<sup>th</sup> anniversary of the Austrian Society for Endodontology with us.

Test multiple file systems on a half day in the **Endo-Circle Training**.

Work perfectly with **David Sonntag** under a new surgical microscope.

Diagnose and plan complex CBCT cases with **Tom Schloss** and **Jürgen Wollner**.

Fill the root canal with **Carsten Appel**.

Go to the limits of retreatment with **Mario Zuolo**.

Explore the latest sealer generation with **Josette Camilleri**.

Listen to improved file systems by **Arnaldo Castellucci**.

Seal open apices with **Marga Ree**.

Exam CBCTs with the radiologist **Stefan Nemec**.

And do not forget to award the **Young Scientists** with our scientific committee.

We are expecting you and are looking forward to seeing you again in Vienna,

Johannes Klimscha

Matthias Holly

## General Information

### **Scientific Comitee:**

Adriano Crismani  
Kurt Ebeleseder  
Christian Gernhardt  
Andrej Kielbassa

### **Congress President:**

Matthias Holly  
Johannes Klimscha

### **Congress Office:**

Ärztzentrale med.info  
Contact: Carmen Zavorsky/Iris Bobal  
"ÖGEndo 2018"  
Helferstorferstraße 4, 1010 Vienna/Austria  
Tel.: +43 1 536 63-23 or -48, Fax: +43 1 536 63 61  
e-mail: azmedinfo@media.co.at

### **Congress Venue:**

Palais Ferstel – Strauchgasse 4, 1010 Vienna/Austria

**Registration is possible online via:** [www.oegendo.at](http://www.oegendo.at), [www.endocongress.at](http://www.endocongress.at)

### **Exhibition, Sponsorship:**

MAW Medizinische Ausstellungs- und Werbegesellschaft  
Tel.: +43 1 536 63-48, Fax: +43 1 535 60 16  
Kontakt: Iris Bobal, e-mail: [iris.bobal@media.co.at](mailto:iris.bobal@media.co.at), [maw@media.co.at](mailto:maw@media.co.at)

## **Congress language: English**

### **Education/training:**

- **Workshop CBCT by Morita: 5 ZFP points**
- **Workshop by Zeiss: 5 ZFP points**
- **Endo Circle Training: 5 ZFP points**
- **Kongress Friday & Saturday: 12 ZFP points**

A maximum of 22 ZFP points could be reached.

Please note that this points can only be credited to dentists with residence in Austria and registered with the Austrian Chamber of Dentists.

## General Information

### Registration fee:

#### CONGRESS, December 6-8, 2018

Registration and Payment	before Dec. 4, 2018	Onsite
Members of ÖGEndo	€ 370,-	€ 430,-
Members of a ESE Partner Society	€ 420,-	€ 480,-
Non Members	€ 520,-	€ 580,-
Dental students	€ 130,-	€ 190,-
Young Scientist (Abstract)	€ 200,-	€ 200,-
Registration fee ONLY ON	Friday	Saturday
	€ 270,-	€ 270,-
Dinner-Party at Feuerwehr Wagner (Friday)		€ 45,-

#### ENDO CIRCLE TRAINING, December 7, 2018

Special rate (only in combination with congress registration)	€ 150,-
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#### PRE-CONGRESS, December 6, 2018

Workshop CBCT (only in combination with congress registration)	€ 150,-
Workshop by ZEISS (only in combination with congress registration)	€ 150,-

The request for payment of the registration fee is effected in the name and on the account of the Austrian Society of Endodontology. (ZVR Nr. / number in central register of associations: 930132603).

The registration fee does not include VAT and therefore does not entitle to deduction of input tax.



photo: Christian del Rey Schmitzler

As the first device combining caries detection technology with optical magnification, the Fluorescence Mode in **ZEISS EXTARO 300** supports detection of carious tooth substances during excavation of previously opened cavities. It supports you in distinguishing natural hard tooth tissue from the most widely used dental composite resins by simply pressing one button. Without shifting your preferred working position!

**6.12.2018, 14:00 - 18:00 hrs., ÖGENDO Workshop**  
Prof. Dr. David Sonntag / Düsseldorf, Germany  
*The perfect application of the dental microscope*  
[www.zeiss.com/dental](http://www.zeiss.com/dental)



## Pre-Congress

Thursday, Dezember 6, 2018

**14:00 – 18:00**

### **Workshop DVT by MORITA**

Digital 3D reports and diagnostics –  
Interactive seminar

*Tom Schloss, Jürgen Wollner, Nuremberg*



**Venue:**

Steigenberger Hotel Herrenhof  
Herrengasse 10  
1010 Wien

**14:00 – 18:00**

### **Workshop by ZEISS**

Treat perfect application of the  
dental microscope

*David Sonntag, Düsseldorf*



**Venue:**

Ordination Dr. Holly & DDr. Klimscha  
Dorotheergasse 12  
1010 Wien



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**Friday, December 7, 2018**

## **Endo Circle Training**

9:00 – 13:00 **Try it!**

Different endodontic instruments and devices in a circle training set up. Participants will have the opportunity to experience all the relevant endodontic systems of instrumentation during this hands-on-course.

Compare the effectiveness & comfort and find your individual preference



## **Main Program**

### **Congress Opening**

- 14.15 – 15.00**    **Perfect Obturation of the root canal system**  
*Carsten Appel, Germany*
- 15.15 – 16.30**    **Endodontic Retreatment: raising the bar –**  
sponsored by VDW  
*Mario Zuolo, Brasil*
- 17.00 – 17.45**    **„CBCT in Endodontic Surgery – 3D Diagnostics,  
Treatment planning and Evaluation of Healing “**  
*Tom Schloss, Germany*
- 19.30**            **Evening Get Together at  
Viennese Heurigen „Feuerwehr Wagner“ – Grinzing**

## Congress Venue and Dinner Party

### Congress Venue

Palais Ferstel – Strauchgasse 4, 1010 Vienna/Austria



### Dinner Party at Feuerwehr Wagner

Grinzinger Strasse 53, 1190 Vienna/Austria



**Saturday, December 8, 2018**

## **Main Program, Palais Ferstel**

### **Young Scientist Presentation**

**9:00 – 10:15** Presentation of the best works submitted by young scientists on the subject of Endodontics

### **Main Program**

- 10:30 – 12:00** **Continuous rotation or reciprocation? This is the question.**  
**From WaveOne to WaveOne Gold: Great improvements –**  
sponsored by Dentsply Sirona  
*Arnaldo Castellucci, Italy*
- 13:00 – 14:00** **The use of calcium silicate cements in non-vital immature teeth with pulp involvement**  
*Marga Ree, Netherlands*
- 14:30 – 15:30** **The evidence base – hydraulic calcium silicate cements**  
*Josette Camilleri, Malta*
- 16:00 – 17:00** **CBCT in endodontic diagnostics: Pre- and postoperative radiological assessment of the tooth root and periapical region**  
sponsored by „zahnradiologie.at“  
*Stefan Nemeč, Austria*
- 17:00 – 17:30** **Award of the works submitted by young scientists**

**Registration at [www.endocongress.at](http://www.endocongress.at) or [www.oegendo.at](http://www.oegendo.at)**

## Exhibitors

AMERICAN DENTAL SYSTEMS GmbH, Vaterstetten, D

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J. MORITA Europe GmbH, Dietzenbach, D

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## Speakers



### **Carsten Appel**

#### **CV**

Dr. Carsten Appel received his dental degree from the Faculty of Dentistry of the University of Bonn, Germany in 1993.

He is working in private practice. Since 2001 he is focused and lecturing on endodontics. He has completely limited his work to endodontics since 2004. He received the recognition as an endodontic specialist by the European Dental Association (EDA) in 2003 and by the German Society of Endodontology (DGEndo) in 2006. He is certified member of the ESE. From 2004 – 2017 he was served as board member and from 2005 – 2013 as the president of the German Society of Endodontology (DGEndo/DGET). Since 2007 he is the German Country Representative within the European Society of Endodontology (ESE) and the International Federation of Endodontic Association (IFEA).

Dr. Appel authored several scientific articles in the field of endodontics and is co-author of an endodontic textbook. In clinical endodontics his areas of special interest include instrumentation strategies, apical anatomy and methodical aspects of root canal obturation. Beside his work in private practice he is lecturing on endodontics throughout Germany and also internationally. He is also teaching in the post-graduate endodontic program of the University of Düsseldorf, Germany.

#### **ABSTRACT – Lecture**

##### **Perfect Obturation of the Root Canal**

The standard technique root canal obturation used in the dental office by general practitioners is the single-point-technique or the cold lateral compaction technique. Especially for the cold lateral compaction technique a lot of scientific data exists supporting a good seal for this technique. Nevertheless Endodontic Specialists in the majority prefer warm thermoplastic obturation techniques which seem to be more complicated, difficult and time consuming.

This lecture will analyse the pros and cons of the different obturation techniques on the basis of the actual literature and clinical examples. The following questions will be answered: Is there a need for warm thermoplastic obturation techniques or is the cold lateral compaction or single point obturation sufficient in most cases? What are the short-comings of each technique and what are the benefits? What are the differences in time-consuming of each technique? What is the right obturation technique for the perfect seal of the root canal?

## Speakers



### **Josette Camilleri, BChD, MPhil, PhD, FICD, FADM, FIMMM, FHEA**

#### **CV**

Josette Camilleri obtained her Bachelor in Dental Surgery and Master of Philosophy in Dental Surgery from the University of Malta. She completed her doctoral degree, supervised by the late Professor Tom Pitt Ford, at Guy's Hospital, King's College London.

She has worked at the Department of Civil and Structural Engineering, Faculty for the Built Environment, University of Malta and at the Department of Restorative Dentistry, Faculty of Dental Surgery, University of Malta. She is currently a senior academic at the School of Dentistry, College of Medical and Dental Sciences, Institute of Clinical Sciences, University of Birmingham, United Kingdom. Her research interests include endodontic materials such as root-end filling materials and root canal sealers, with particular interest in mineral trioxide aggregate; Portland cement hydration and other cementitious materials used as biomaterials and also in the construction industry.

Josette has published over 100 papers in peer-reviewed international journals and her work is cited over 4000 times. She is the Editor of *Mineral trioxide aggregate. From preparation to application* published by Springer in 2014. She is a contributing author to the 7<sup>th</sup> edition of *Harty's Endodontics in Clinical Practice* (Editor: BS Chong) and *Glass ionomer cements in Dentistry* (Editor: SK Sidhu). She is an international lecturer, a reviewer and a member of the scientific panel of a number of international journals.

#### **ABSTRACT – Lecture**

Materials based on tricalcium silicate have been in clinical use since mid-1990s. Initially there was mineral trioxide aggregate which was indicated for root-end filling and repair of root perforations due to its hydraulic nature. Later the clinical uses of this material became wider and more materials were introduced on the market. The hydraulic calcium silicate cements are used for a wide range of clinical applications including root-end filling, perforation repair, for treatment of root resorptions, apexification procedures, pulp capping, pulpotomy, regenerative endodontics and root canal obturation. The newer generation materials claim improved properties and clinical success.

This lecture overviews the hydraulic calcium silicates available on the market, their main features and strengths. Taking all the factors into consideration the evidence available for the claims will be presented. A clear distinction between the different materials and their specific uses and indications will be given.

## Speakers



### **Arnaldo Castellucci, MD, DDS**

#### **CV**

Dr. Castellucci graduated in Medicine at the University of Florence in 1973 and he specialized in Dentistry at the same University in 1977. From 1978 to 1980 he attended continuing education courses on Endodontics at Boston University School of Graduate Dentistry with Prof. Herbert Schilder. As well as running a practice limited to Endodontics, Dr. Castellucci is Past President of the Italian Endodontic Society S.I.E., Past President of the International Federation of Endodontic Associations I.F.E.A., Active Member of the European Society of Endodontology E.S.E., Active Member of the American Association of Endodontists A.A.E..

He is Assistant Professor of Endodontics at the University of Cagliari Dental School and Professor of Micro-Surgical Endodontics at the Specialty of Oral Surgery of the University Federico II of Naples.

He is a very well known international lecturer and gave lectures all around the world.

He has been Editor of “The Italian Journal of Endodontics” and of “The Endodontic Informer”, is now the Editor in Chief of Endo Tribune, Founder and President of the “Warm Gutta-Percha Study Club” and of the Micro-Endodontic Training Center, where he teaches and gives hands-on courses. He published articles on Endodontics in the most prestigious Endodontic Journals.

He is the author of the textbook (3 volumes) “Endodontics”, which is now available in English.

He lives and practices in Florence where he has his private practice and his Micro-Endodontics Training Center.

#### **ABSTRACT – Lecture**

#### **Continuous rotation or reciprocation? This is the question.**

#### **From WaveOne to WaveOne Gold: Great improvements**

The 4<sup>th</sup> generation of NiTi instruments was introduced in 2008, represented by the new reciprocating files WaveOne. They were the first system designed as single files or at least single patient use. Using WaveOne files, the root canal preparation became simple, fast and safe. Recently, the system has been optimized, the safety and the cutting efficiency have been improved, and the range of teeth that could be shaped using this method has been increased. As a matter of fact, in the year 2015 the new generation of single file and single use reciprocating instruments were launched, providing unparalleled safety, effortless efficiency, and super simplicity: they are the new WaveOne Gold, where the ground NiTi files are

## Speakers

heat-treated and slowly cooled, with the resultant improved strength and improved flexibility. In the 2017 another step forward has been made, with the introduction of the WaveOne Gold Glider, the perfect reciprocating instrument to create a glide path for the WaveOne Gold single-file system users. The WaveOne Gold Glider reproduces the movement usually given to the hand instruments, allowing an easy negotiation of the root canal down to the entire working length, to make room to the next instruments WaveOne Gold that will be able to complete the shape of the root canal, always following the principle of being minimally invasive.



### **Stefan F. Nemec**

#### **CV**

Born in Austria, Stefan F. Nemec graduated from the Medical University of Vienna in 2003. Subsequently, he received his radiology residency training at the Vienna General Hospital, with several different types of head and neck imaging comprising his primary interest. In 2009, he joined the staff at the Division of Neuroradiology and Musculoskeletal Radiology, Department of Biomedical Imaging and Image-guided Therapy, Medical University of Vienna. From 2010 to 2013, he also completed radiological research fellowships at the Department of Radiology, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, as well as at the Medical Genetics Institute, Cedars Sinai Medical Center, Los Angeles. In May 2013, he completed the habilitation procedure based on the thesis "Fetal sexual development on prenatal MR imaging." Thereafter, he was appointed an Associate Professor at the Medical University of Vienna. Dr. Nemec's current work focuses on head and neck imaging in dentistry, cranio-maxillo-facial surgery, and ENT medicine.

#### **ABSTRACT – Lecture**

#### **CBCT in endodontic diagnostics: Pre- and postoperative radiological assessment of the tooth root and periapical region**

This presentation demonstrates the use of cone-beam computed tomography (CBCT) to aid in endodontic imaging diagnostics. By highlighting what every endodontic specialist needs to know and what every dental radiologist should report, this pictorial review exemplifies the pre- and postoperative assessment of the tooth root and canal system and periapical region. In particular, the broad spectrum of osteolytic and osteosclerotic pathologies of the periapical region will be shown, based on typical, as well as very uncommon, example cases. Furthermore, this review will present practical tips and tricks to arrive at the correct imaging diagnosis and to

## Speakers

identify complications that might be encountered in the posttherapeutic setting. Finally, the potential pitfalls and limitations of CBCT imaging will be discussed.



### **Marga Ree, DDS, MSc**

#### **CV**

Marga Ree, DDS, MSc obtained her degree in dentistry from the University of Amsterdam in 1979. For the next five years she was a part-time staff member of the department of Cariology Endodontology Pedodontology, as well as being a clinical instructor in the central dental clinic of the University of Amsterdam. In 1998 she entered a postgraduate programme in endodontics, which she completed in 2001 with a Master of Science degree. She is a popular speaker for dental and endodontic conferences, and has given over 200 presentations and hands-on courses in 30 countries all over the world. She is the primary author of several articles published in national and international journals and has contributed to several books on endodontics and restorative dentistry. Since 1980 she has had a private practice in Purmerend, which for the past nineteen years has been dedicated to endodontics.

#### **ABSTRACT – Seminar**

##### **The use of calcium silicate cements in non-vital immature teeth with pulp involvement**

Treatment of young permanent teeth with pulp involvement is an endodontic and restorative challenge. The primary materials used in treatment have been calcium hydroxide, the original material of choice, and Mineral Trioxide Aggregate (MTA), the more recent material of choice. MTA is part of a class of materials known as calcium silicate cements or bioceramics, and has been used for pulp caps, pulpotomies and apical barriers. It has many favorable properties, but also some limitations, which include staining of dentine and a long setting time. New bioceramic materials have been developed to overcome these shortcomings. In this presentation, Marga Ree will present an overview of current calcium silicate materials, with an emphasis on their use in non-vital immature teeth. She will address the treatment options for non-vital teeth with open apices. Regenerative treatment approaches or revitalization is currently a “hot topic” in endodontics, and has been recommended as a promising alternative to the apical barrier technique, but there are still many limitations, not the least of which is an unpredictable outcome. In contrast, there is substantial evidence of a favorable outcome of immature teeth treated with the MTA

## Speakers

barrier technique. Marga Ree will present numerous clinical cases with long-term follow-ups, which will illustrate her decision-making process and current treatment procedures, and make an argument as to why an apical barrier is often preferred over regenerative endodontics for teeth with open apices.

### Tom Schloss & Jürgen Wollner



#### **Tom Schloss**

##### **CV**

Since 2014 division manager at the DGET (German Society for Endodontology and Dental Traumatology)

2012–2014 master's course Endodontology at the Heinrich-Heine University Düsseldorf

2008 completion of a 2-year extra-occupational postgraduate training – "International Program in Endodontics, Microendodontics and Endodontic

Microsurgery", School of Dental Medicine, Department of Endodontics, University of Pennsylvania, U.S.A.

2004 Certificate for Endodontology – Commissioned by the German Society for Restorative Dentistry (DGZ) and the Akademie Praxis und Wissenschaft (APW) after absolving a 2-year Curriculum

Since 06/2003 resident doctor with own practice in Nuremberg, focus Endodontology

1999 Approbation as dentist

1992–1998 study of Dentology at the University for Medicine and Pharmacy Temeschburg



#### **Jürgen Wollner**

##### **CV**

Since 2015 board member „Association of German Certificated Endodontologists“(VDZE)

Since 2013 collaboration at the „Initiative Frontzahntrauma“

Since 2011 Trainer at the ZEISS Dental Academy, Author of several clinical articles in the Endodontology and CBCT

2011 TEC2 Endodontology Curriculum under the scientific

leadership of Prof. Martin Trope (University of Pennsylvania), key activities Endodontology

Since 2010 Speaker in the fields Endodontology, CBCT and Ergonomics

Since 2004 work at the dental microscope and practice for Microdentistry

Since 1994 resident doctor in own doctor's practice

## Speakers

1994 Promotion at the Friedrich-Alexander University Erlangen  
1992 Approbation at the Friedrich-Alexander University Erlangen  
1986–1992 study of Dentology in Düsseldorf und Erlangen

### **ABSTRACT – Lecture**

#### **Endodontic Retreatment: raising the bar**

Retreatment cases in endodontically-treated teeth has risen sharply in recent years in dental clinics increasing the interest in endodontic reintervention by both patients and dental professionals. Scientifically based treatment techniques and a great diversity of new materials and instruments have had a positive impact on our understanding of endodontic retreatment and its efficient delivery.

This presentation will focus on clinical protocols for the management of teeth indicated for gutta-percha retreatment. Key clinical points such as: how to remove gutta-percha, access the apical third of the canal and reestablish the working length, reparation and irrigation techniques focused in disinfection and canal re-obturation will be discussed and confronted with contemporary literature.

All the techniques presented will be described step by step. Prognosis will be illustrated with clinical cases of successful and failed outcomes in order to positively impact the everyday practice of general clinicians and specialists alike, aiming to improve the quality of clinical care offered to our patient



### **David Sonntag, Prof. Dr.**

#### **CV**

David Sonntag graduated from the University Marburg, Germany in 1998, where he also received his doctoral degree in 2001 and his PhD in 2008. He is a certified endodontist by the German Endodontic Society since 2005. Sonntag is still involved in undergraduate teaching and works part time in a private dental office limited to Endodontic since 2008. He has authored several scientific original and review articles in national and international journals and has been awarded by the Journal of Endodontics with the best article in clinical research in 2017. He lectures extensively nationally and internationally. Since 2010 he serves as a program director of the postgraduate endodontic program and as a CEO of Duesseldorf Dental Academy GmbH at the University Duesseldorf where he was appointed as titular professor in 2018. His main research interest lies in canal shaping with NiTi instruments. Sonntag was involved in the development and testing of NiTi file systems from different manufacturers.

#### **ABSTRACT – Workshop**

##### **The perfect use of the dental microscope**

For success in endodontic therapy systematic diagnosis and structured treatment are highly important.

A modern dental microscope offers new diagnostic and treatment options by visualizing the smallest details. In particular different filters mounted in the most modern operating microscope Extaro 300 allow a visual control of previously unknown extent.

In the lecture, the relevance and safe use of the surgical microscope in diagnostics and therapy with focus on the single-handed microscope is demonstrated on the basis of numerous examples.

However, without teamwork and proper patient positioning, any endodontic treatment can become tedious and difficult. One focus of the practical part of the course is therefore the cooperation of the team when working with the microscope.

Content of the hands-on seminar

- Perfect patient positioning for the treatment in upper and lower jaw
- How to achieve a 50% time savings through a systematic teamwork of dentist and dental nurse
- How mirrors, endodontic files and other instruments can be passed on systematically and safely
- How to make your workplace ergonomically favorable
- How to develop your own strategies to optimize your treatment



### **Mario Zuolo**

#### **CV**

DDS graduated at Faculdade de Odontologia de Ribeirão Preto – USP (University of São Paulo) - 1981

- Specialist in Endodontics graduated at APCD

- Preceptorship Course in Endodontics at UHSC - San Antonio (Texas) – USA

- Teaching Fellow in Endodontics at University of Iowa – College of Dentistry in 1990 - 1991

- MSc in Molecular Biology at UNIFESP/EPM
- PhD in Clinica Odontologica- Endodontics at FOP/UNICAMP
- Professor of Endodontics at FOA, São Paulo Dental Association (APCD)
- Author of the Book: Reintervention in Endodontics, Quintessence Editora, 3 o ed, São Paulo, 2017
- Private practice limited to Endodontics in São Paulo – Brasil.

#### **ABSTRACT – Lecture**

##### **Endodontic Retreatment: raising the bar**

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# Notes



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