

## ESE Contact Information

### Secretary:



Professor Paul Dummer  
School of Dentistry  
Cardiff University  
Heath Park  
Cardiff CF14 4XY  
UK  
email: secretary@e.s.e.eu

We are working hard to complete the web pages for our 2013 Congress, and should go live early in 2012. Keep watching [www.eselisbon2013.com](http://www.eselisbon2013.com) for more information.

December 2011



## Dear Colleagues and Friends



John Whitworth  
Past-Editor, ESE

**Welcome to the 7th ESE Newsletter. Can I first of all thank you for the photos, reports and features that bring its pages alive, and for making my task as Editor so straightforward.**

It has once again been a great pleasure to compile the ESE Newsletter, and I'm heartened by the spirit of progress and collaboration that is so evident within our Community.

In this issue, we seek once again to provide some insight into the work of the ESE Executive Board, General Assembly and Congress Committees, to share news from our member Societies, and to celebrate the careers and lives of esteemed colleagues. Please keep your features, photographs and ideas coming!

As we move forward, the new ESE web site provides us with the opportunity to publish features and reports as soon as they arrive. With this in mind, we are currently reviewing the format and content of future Newsletters and reports, and we value your thoughts and suggestions to promote communication, transparency and good practice.

As the office of Editor is withdrawn from the Executive Board, this marks my last ESE Newsletter as Editor. Thank you for your encouragement and support and all good wishes to those responsible for the corporate and public relations of the ESE in the future.

**John Whitworth**

*ESE Education & Scholarship Committee Chair*

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## Message from the ESE President – Claus Löst

### Dental Implant – the better tooth?



President – Claus Löst

“Implanting at the castle” was the eye-catching slogan emblazoned recently on a promotional flier from an implant company; “Get to know the world of modern implantology in an inspiring atmosphere”. The course, lasting almost 3 days, commenced with a lecture on the meaning of consumerism in dental medicine, and the target audience, can you imagine, senior undergraduate dental students.

Implant companies have significant economic power. Whilst many colleagues in Endodontology and Periodontology may be indifferent to the implant-related logos positioned by gold-sponsors on their congress bags, and others may accept them with a knowing grin, there are still others who carry a sense of betrayal, arguing for the preservation of teeth and for their scientific Societies to renounce attractive sponsorship from the ‘wrong corner’.

No matter how one views these developments, the question for me is how we can defend ourselves and our disciplines in the face of the seemingly inexhaustible financial resources of implant and associated biomaterial manufacturers? The future direction of dental medicine hangs in the balance.

Let me be clear about one thing, I am not against dental implants! There can be little doubt that they form an invaluable addition to our spectrum of restorative therapies, and it would of course be churlish to stand in the way of interested dental students who are given the opportunity to develop their soft-tissue surgical skills, and practice bone augmentation and implant placement techniques on artificial jaws in the company of enthusiastic teachers. And all that for the modest expense of an overnight stay!

But what signal is being given to these impressionable dental students by the whole event, and in such unique and desirable ambiance? May we assume that the sponsoring companies will place tooth preservation at the top of their course agendas, or will they see ‘compromised’ teeth as dispensable items for replacement?

Suspicion would appear to be justified. Case reports in scientific journals that are often sponsored directly or through advertising revenues appear with shocking regularity to show the implant replacement of teeth that many would consider restorable. Others appear to avoid the issue by cutting out the assessment stage and starting their accounts with ‘emptied

alveoli’. Yet others will simply state that the tooth or teeth involved were non-sustainable; declarations that can leave experienced practitioners scratching their heads in disbelief – the clinical and radiographic appearances didn’t seem that bad! I turn at this point to Jan Lindhe, a world authority in Periodontology, who is believed to have coined the phrase: “Implants should replace missing teeth – not teeth”.

Such statements may be balm to the souls of conservative dentists, but judgements on the prognosis of teeth are always subjective. We do not currently have an objective, consistent means of defining those teeth that are truly beyond restoration; perhaps we never will. But it is unwise to throw away the well-honed skills of the conservative dentist and opt for the wholesale loss and replacement of any ‘compromised’ teeth, just to be on the safe-side. There has never been greater need for the skills and insights of responsible, academically trained dentists; those able to balance deep knowledge of the scientific literature, with experience and holistic decision-making. I strongly doubt that the high-profile marketing strategies of implant manufacturers will promote this approach in our dental students.

Lastly, the loss of ‘compromised’ teeth and their replacement with implants has an ethical dimension. I wonder if the dental community could make a step in the right direction by rejecting all verbal and written case reports that do not fully expose the presenting findings and the decision-making process for tooth preservation or replacement with implants. In this way, every speaker and author would be mindful of the need to defend their decision-making in a rigorous manner. Are we on the road to the loss of our conservative skills, to the loss of teeth that could realistically be saved, and the unthinking replacement of teeth with implants? We need to open this academic discussion and think carefully about our decision-making. The best interests of our patients and our profession are at stake. In concluding this Presidential statement, I would like to extend my thanks to the ESE Public Relations Committee, under the Chairmanship of Carsten Appel, for initiating a campaign to inform the public, patients and dentists about the benefits of tooth preservation. What a strange world we live in, where the preservation of teeth needs to be the subject of an advertising campaign!

**Claus Löst**

### Business summary:

The ESE Executive Board continues to expand its work and has sought wherever possible to conduct its business through the forum section of the web site and by email/telephone conference. These practices are efficient and cost-effective but cannot eliminate the need for face-to-face meetings. Autumn

meetings have been timed to coincide with those of the ESE General Assembly, whose outcomes have been reported in detail to national societies through their Country Representatives. Spring meetings have traditionally been held in Tübingen and have focussed on strategic planning and detailed policy documents.

The notes below provide some insight on the meetings held and the range of business under discussion.

#### **ESE Executive Committee, Lisbon, 21st – 23rd October 2010**

Key business included:

- Reports from ESE committees and working groups
- Guidelines for ESE biennial congresses
- Structure of the ESE Executive Board
- ESE communications strategy

#### **ESE Executive Committee, Tübingen, 17th – 20th March 2011**

This meeting was held in the absence of the ESE Editor, with business including:

- Arrangements for the Rome 2011 meeting
- Progress towards Lisbon 2013
- ESE strategic direction and workload
- Quality and standards in endodontics
- Recognition of endodontics as a clinical speciality throughout Europe
- Accreditation of postgraduate speciality training programmes
- Collaboration with scientific, clinical and educational bodies

#### **ESE Executive Committee, Rome, 13th September 2011**

Key business included:

- Reports of working groups and committees
- Congress reports for Rome 2011 and Lisbon 2013
- Bids for the 2015 congress
- Future strategy for the ESE biennial congress
- ESE strategic direction and workload
- Recognition of endodontics as a clinical speciality throughout Europe
- Accreditation of postgraduate speciality training programmes
- ESE communications strategy

**As the ESE evolves into the next stage of its development, changes are needed to the structure and manpower of its Executive Board and committee structure. Key changes were approved by the Rome 2011 General Assembly and include:**

- The need for an Administrator to coordinate and oversee the work of the Executive Board and its committees.
- The withdrawal of the Editor position, with responsibilities of the Editor being integrated into the Research Committee.
- The addition of Research and Education & Scholarship Committee Chairs to the Executive Board as ex officio members, with equal voting rights.

It was reported that Ms Susan Bryant would adopt the role of ESE Administrator, with John Whitworth re-joining the Board as Education and Scholarship Committee Chair.

## **Research News**

### **ESE Research Grant winners**

The European Society of Endodontology remains just that – a society driven by the interests of scientific and scholarly advance. One expression of this is the award of an annual research grant, with successful applicants announced in November.

#### **The 2011 Grant**

Faced with strong competition from no less than 11 applicants, the ESE Research Committee concluded it's deliberations in November, awarding the 2011 Research Grant to Prof. Dr Kerstin M. Galler from the University of Regensburg, Germany



Prof. Dr Kerstin M. Galler

**Title:** Release of Growth Factors from dentine and incorporation into a hydrogel scaffold for regenerative endodontics

**Award:** 18,000 Euros

Dr. Galler is an Assistant Professor in the Department of Restorative Dentistry and Periodontology at the University of Regensburg, Germany. After gaining her DDS degree from the Ludwig-Maximilians-University in Munich in 2000, she worked in private practice in Germany for two years. Subsequently, she started her first research project at the University of Regensburg, then transferred to the University of Texas Health Science Center in Houston to complete post-doctoral training; she was awarded a PhD in Bioengineering from Rice University in Houston in 2009. Recently, she finished her "Habilitation" with Prof. Gottfried Schmalz at the University of Regensburg. Dr. Galler's time is divided between clinical work

(primarily endodontics), teaching and research. Her current research interest is focused on the development of future treatment strategies incorporating scaffolds with biological dentine conditioning and dental stem cells for use in dental pulp tissue engineering and regenerative endodontics.

### Abstract

Recent advances in stem cell biology and dental pulp tissue engineering as well as clinical reports of regenerative procedures to sustain tooth vitality might be the prelude of a paradigm shift in endodontics and lead to the establishment of treatment strategies enabling the regeneration of dental pulp. Whereas implantation of autologous stem cells is a promising strategy, it is hampered by issues of cell harvesting and expansion as well as high cost. Alternatively, cell-free approaches could be considered, which involve the recruitment, migration, proliferation and differentiation of resident stem cells. The conditions for such a regenerative procedure might be optimized by the use of a bioactive scaffold material, which is placed into the root canal, and furthermore by taking advantage of growth factors entrapped in the dentine matrix. Modified protocols for root canal preparation, irrigation and filling will be required in order to provide an environment that is conducive for stem cell recruitment and new tissue formation. In the proposed project, a protocol for root canal irrigation should be established, which will allow for the release of growth factors from the dentine matrix. Their short half-life could be prolonged by incorporation into a matrix capable of binding and cell-mediated release of these growth factors. A previously developed bioactive peptide-based hydrogel can bind and release growth factors via the glycosaminoglycan heparin. By optimizing conditions for growth factor release and enabling their immobilization, chemotactic migration and subsequent differentiation of stem cells might be triggered. This work could contribute to the development of a treatment strategy to engineer dental pulp which does not require the application of exogenous stem cells or growth factors and might thus be readily applicable in regenerative endodontics.

## Joint honours in 2010

The 2010 Research Grant was divided between two worthy teams working in areas of great scientific value.

### Suzette V. van der Waal



Suzette V. van der Waal

**Title:** How to disrupt biofilm matrix

**Award:** 10,000 Euros

**Affiliation:** Academic Centre for Dentistry (ACTA), Amsterdam, The Netherlands

### Abstract

In endodontics, we are well aware that in infected root canals, micro-organisms live in a biofilm configuration. This makes them less susceptible to antimicrobials. Increased resistance is partly due to the change in genetic make-up. But also, biofilms consist for 95- 99% of extracellular polysaccharides (EPS), which are produced by the micro-organisms that live within this substance. This substantial part of the biofilm is often overlooked in studies that investigate the efficacy of antimicrobial compounds.

Literature on the composition of EPS from areas of research other than Endodontology can help us to get a better understanding of endodontic biofilms. New insights may lead to the development of a more efficacious root canal disinfection protocol.

## G Gambarini

**Title:** Biochemical characterization of dental pulp stem cells and effect of methylacrylate monomers on cell differentiation.

**Award:** 10,000 Euros

**Affiliation:** Universita' degli Studi di Roma, Rome, Italy

Congratulations to all of the named winners and the teams working with them.

## Regulations for the ESE Research Grant

The closing date for 2011 Research Grant applications was 1st September, but we encourage all of those engaged in research to consider applications for future years.

The most current guidelines for applicants can be found on the ESE web site: <http://www.e-s-e.eu/research/index.html>

## Roland Weiger stands-down as ESE Research Committee Chair

Scientific societies can rarely thrive without the support of committed volunteers. The ESE is no different, and relies on the good will of individuals who carry significant workloads on our behalf, some highly visible, whilst others attract little attention or recognition. And so it has been for Roland Weiger, Chairman of the ESE Research Committee, who can count amongst his selfless acts: scrutiny and moderation of all poster abstract submissions for our last five biennial Congresses, moderation of the biennial ESE Wladimir Adivankine Research Prize competition, and evaluation of submissions from promising young researchers for the annual ESE Research Grant. In all of these roles, the Society has benefited from his knowledge, wisdom and fairness, and the committee on which he has served has respected his



team-working and even-handed decision-making. So it is time to drag him into the limelight and offer our thanks to one of the ESE's unsung heroes.

Dear colleagues, do not fear that he's hanging up his files and retiring to the Maldives! Roland remains a man of many skills, abilities and responsibilities, and is a true all-rounder both on and off the football pitch! Supported by his various committee members and by his secretary Ms Rose-Marie Neuzil, he continues to multitask as Chairman of the Department of Endodontology, Periodontology and Cariology at the University of Basle, as leader of a number of important initiatives in both Switzerland and Germany, and as an active researcher; not to mention his relentless investment in his favourite topic of Dental Traumatology. With our great appreciation for the work he's so willingly undertaken, the ESE Executive Board accepts his resignation and withdrawal, for now, from Society commitments. Thank you Roland Weiger, on behalf of the ESE, for all you've done and for all you've achieved during the last decade as Chairman of the Research Committee. A prized asset like you leaves a void that even an endodontist will struggle to fill!

## ESE Lisbon Congress 2013: An update, António Ginjeira



Preparation for the next ESE congress is running smoothly, and after the huge success of the Rome congress, we're preparing bigger rooms and larger exhibition areas! The Portuguese Society of Endodontology will meet during the national dental association (OMD) congress in

Lisbon, in an effort to bring new ideas to the congress programme. We are quite confident that our hard work will translate into a successful and enjoyable meeting, and we're looking forward to sharing Lisbon with you.

## ESE Congress 2015:

The ESE General Assembly is pleased to announce Barcelona as the venue for our 2015 Biennial congress. Congratulations and all good fortune to the Asociación Española de Endodoncia (AEDE) and to all members of the organising team.

## Meeting reports and features from across the region:

### European Society of Endodontology Congress, Rome 2011

Rome was a perfect background for the 15th Biennial Congress of the European Society of Endodontology (ESE) which took place in the Monte Mario Hotel Cavalieri from the 14th to 17th September 2011 (Fig 1).



Fig. 1: Sunrise over the eternal city from Monte Mario Hotel Cavalieri.

The whole event was brilliantly co-ordinated by Dr Marco Martignoni, President of the Italian Society of Endodontology (SIE) (Fig 2), supported by Congress Secretary Vittorio Franco



Fig. 2: Congress President and President of the Italian Society of Endodontology (SIE), Dr Marco Martignoni welcomes guests to Rome.



Fig. 3: Congress Secretary, 'Dr Fix it' Vittorio Franco

(Fig 3) and their energetic local organising committee.

The event was another record-breaker with more than 2000 attendees from 70 countries, including general dentists, specialists and postgraduate students. Its ranks were further graced by a number of prestigious international delegations including those of the American Association of Endodontists (AAE) and the

International Federation of Endodontic Associations (IFEA), by the chairman of the next APEC Congress (Asian Pacific Endodontic Confederation) and the President of the Pan-Arab Endodontic Conference 2012. The organisers and delegates were grateful for the commercial support of a number of companies, including 11 platinum, silver and bronze sponsors, and a total of 26 exhibitors with dedicated booths (Fig 4).



Fig. 4: Refreshments amongst the trade stands... anyone fancy an ice cream?



Fig. 5: Executive Board members in the thick of General Assembly business

Making an early start, the ESE Executive Board addressed a full business agenda and received up-to-the-minute news of the Congress throughout Tuesday 13th. In keeping with tradition,

Wednesday 14th played host to the ESE General Assembly, with country representatives gathering from all corners of Europe (Fig 5). Key business included a series of bids to host the 2015 Congress. After four engaging presentations, the

voting was sure to be tight, with Spain and Barcelona eventually emerging as the winner.

In parallel sessions, 3 pre-Congress hands-on workshops focused on practical aspects of treatment and provided state-of-the-art experiences with the latest tools and canal shaping technologies.

The day rounded-off with a late afternoon welcome cocktail party in the sumptuous surroundings of the conference hotel (Fig 6).



Fig. 6: Sumptuous surroundings for a welcoming evening cocktail!

Thursday morning saw the grand opening ceremony, with a specially commissioned and heart-warming video documenting the history of the ESE, landmark biennial congresses and some of the greats in Italian endodontics. There were heart-felt welcomes from a panel of dignitaries including the Rector of the University of Rome "La Sapienza" Prof. Luigi Frati, the President of the Academic Board and Director of the Dental Clinic of the University of Rome "La Sapienza" Prof. Antonella Polimeni, the Director of the Dental Clinic of the University of Rome "Tor Vergata" Prof. Alberto Barlattani and the President of the Degree Course in Dentistry of the University of Rome "La Cattolica" Prof. Massimo Cordaro. The Minister of Health Ferruccio Fazio was sadly unable to attend, but was represented by Prof. Enrico Gherlone, Full Professor at the San Raffaele Hospital in Milan and Delegate for the Dental Sector of the "Programming Commission" of the Ministry of Labour, Health and Social Policy and Member of the Board of Health. How could such a high-profile Italian opening be followed but by a solo tenor, accompanied on the piano through classics including the



Fig. 7: Italian tenor in full-flight, with "O Sole Mio", followed by "Nessun dorma"

Italian National Anthem, "O Sole Mio", "Nessun dorma" and an excerpt from "West Side Story" (Fig 7). What more could delegates wish for after all that than an ice cream and

the start of the scientific programme? They were duly rewarded on both counts.

"Not Only Roots", was the theme of the Congress which continued in 5 conference rooms, with high-level presentations on topics including cleaning and disinfection, mechanisms and management of inflammatory pain, methodological issues in endodontic research, dental pulp tissue regeneration, techniques for shaping root canals, anatomic and diagnostic challenges, endodontic surgery, root canal obturation techniques, orthograde endodontics, endodontic retreatment or implants and post-endodontic reconstruction.

Among the most prominent international speakers were Markus Haapasalo, Roeland de Moor, Luc van der Sluis, Gunnar Bergenholtz, Lars Bjørndal, Carsten Appel, Gilberto Debelian, Jean Yves Cochet, Bertrand Khayat, Paul Lambrechts, Michael Naumann, well known Americans including Ben Johnson, Cliff Ruddle, Steve Buchanan, Jim Gutmann and Ken Hargreaves, and not to mention home-grown Italians including Francesco Mannocci, Giuseppe Cantatore, Elio Berutti, Gianluca Gambarini, Fabio Gorni, Augusto Malentacca, Arnaldo Castellucci and Marco Ferrari.



Fig. 8: Gunnar Bergenholtz chairing a dental pulp and tissue regeneration symposium in his honour.

One of the true highlights was a symposium on 'Dental pulp tissue regeneration: visions and challenges', hosted by, and in honour of the Society's most recent and cherished Honorary member,

Gunnar Bergenholtz. The symposium opened the minds of delegates to the clinical potential and highlighted some of the scientific challenges in realising Endodontology as a discipline at the cutting edge of regenerative therapy (Fig 8).

In separate sessions 105 national and international speakers presented on freely chosen topics, while others enriched the meeting further with 139 moderated research posters on a wide range of topics (Fig 9) and 163 clinical posters.



Fig. 9: A full and diverse poster session in progress.

Alongside all of this, the business of the Congress and its various groups continued quietly, with a luncheon for Certified Members, a meeting with Postgraduate Student Members,



Fig. 10: Members of the ESE Executive Board enjoy convivial discussions with AAE guests. From left to right: Paul Dummer (ESE Secretary), John Whitworth (ESE Education and Scholarship Chair), Jim Kulild (AAE President-Elect), Clara Spatafore (AAE Past-President), James Drinan (AAE Chief Executive Officer), Claus Löst (ESE President), Hakki Sunay (ESE Treasurer), Bill Johnson (AAE President).

and constructive dialogue between members of the ESE Executive Board and delegates from the American Association of Endodontists (Fig 10). The new Education and Scholarship Committee also commenced its work in revising the ESE undergraduate curriculum guidelines.



Fig. 11: The Trevi fountain – one of a number of distractions Rome had to offer.

Delegates were not short of attractions outside the Congress (Fig 11), but were lured by two outstanding evening social events. Just metres from the Congress Hotel is the magnificent "Villa Miani", a splendid venue for the Thursday evening social reception, with its panoramic views of the Vatican and central Rome. The evening, the company and atmosphere was noted by its warmth and conviviality! Official business included the award of the Wladimir Adlivankine Award to Dan-Krister Rechenberg (Fig 12) for his work on "Potential systematic error in laboratory experiments on microbial leakage through filled root canals: an experimental study", supported by Matt Zehnder at the University of Zurich. Following hot on his heels was Stephane Simon from the University of Paris



Fig. 12: Dan-Krister Rechenberg enjoys his evening of glory as Wladimir Adlivankine prize winner.



Fig. 13: Stephane Simon receives the Hans Genet award, presented by Paul Wesselink.



Fig. 14: An emotional Gunnar Bergenholtz receives honorary membership – what thanks we owe him.



Fig. 15: Fireworks to round-off a glorious evening.



Fig. 16: Spazio 900 – venue for the 2011 gala dinner.

(Fig 13), worthy winner of the prestigious Hans Genet Award for the Society's best young researcher. Perhaps the most moving event of the entire Congress was the award of Honorary Membership to Gunnar Bergenholtz – a fitting recognition of a lifetime of exceptional science and service. His response was emotional as he thanked the Society for an accolade of the highest order (Fig 14). Sustained by friendship, food and wine, guests were serenaded late into the evening by a quintet offering songs from the Swing Era, followed by a spectacular firework display to round things off - "buona notte" (Fig 15).

Friday evening saw the traditional Gala Dinner, held this year in the magnificent "Spazio 900" (Fig 16) where all 400 guests enjoyed typical Roman cuisine, punctuated by congratulatory speeches from the ESE President Claus Löst, the AAE President William Johnson, the President of SIE Marco Martignoni, the Secretary of SIE and Congress Secretary Vittorio Franco. All that remained was a rallying call from the incoming Congress President António Ginjeira, and dancing into the small hours. "Arrivederci" and good luck to António and the Lisbon team as they prepare for 2013, "Navigating Canal Systems", including a number of "Exciting Novelties".

Thank you to all involved in an exceptionally organised Rome Congress, and we look forward to seeing you next time.

**Vittorio Franco**

*ESE Congress Secretary 2011*

## Croatian Endodontic Society (CES)

The Croatian Endodontic Society held its 11th Annual Congress on 19-20 March 2010 in cooperation with the Department of Endodontics at the School of Dental Medicine in Zagreb, Croatia. Participation was truly international and the lecture topics ranged across a number of dental disciplines, all contributing to a high quality and extremely well attended Congress.

As a flavour of the programme, lecture topics embraced endodontics, preventive dentistry, post-endodontic restorative treatment and patients at risk in the dental office. Hands-on courses on rotary endodontics and thermoplasticised obturation techniques, fabrication of direct composite veneers on anterior teeth, minimally invasive approaches in dentistry, and preparations for partial and complete coverage restorations were held on the first and second days of the Congress. Twenty posters were also presented during the Congress by members of the CES.

Following in the tradition of the Society, several hands-on courses on rotary endodontics (ProTaper) and thermoplasticised obturation techniques (Thermafil) were organized during 2010 in cooperation with Maillefer and Medica.

In September, an International Croatian-Austrian Meeting was held in Opatija, Croatia. The meeting was organized by Professor Ivica Anic from School of Dental Medicine in Zagreb.

At the beginning of the meeting, all of the combined projects that had been worked out during the last two years were presented by collaborators from the School of Dental Medicine in Zagreb and Rijeka and Graz University. Scientific and clinical research based on endodontics, restorative and preventive dentistry was also presented. All presentations were followed by constructive discussion. We also established future cooperation in scientific work.

In 2011, the CES organised its 15th Annual Congress in Zagreb. Many international lecturers and hands-on courses, as well as poster presentations attended. Information on our Society is available on our website: [www.hed-endo.hr](http://www.hed-endo.hr).

**Ivana Miletic**

*Secretary of CES*

## Czech Endodontic Society

The Czech Society of Endodontology has entered its second election period. On March 5th 2011, members of the Czech Society of Endodontology (CES) met as traditionally at the Hotel Pavilon in Ricany near Prague for their 9th workshop. The main items of business were to review the balance of

CES activities over past 4 years and to elect a new committee.

The CES chairman, Mr Ludek Perinka reviewed and critically appraised Society activities, noting considerable success in engaging dental practitioners with a deep interest in Endodontology, incorporating the CES within the European Society of Endodontology (ESE) and bringing the CES and its activities to the attention of international experts.

Regular workshops of the Society where members can present their case studies, in addition to well-attended annual conferences give clear testament to the effective work of the CES. Some targets have not yet been fully attained, particularly improvements in the quality of postgraduate training in Endodontology and issues around the initiation of standards in Endodontology.

The new committee election was conducted by secret voting in compliance with the Society charter, and the number of members was increased from 5 to 7. Elected members of the new committee were: Perinka, Roubalíková, Netolický, Ságlová, Horák, Dancík, Svetlík. Mr Ludek Perinka remains the CES chairman, Mrs Lenka Roubalíková the scientific secretary, and Mr Jan Netolický the economist. In future, the CES will make efforts to perform its obligations in accordance with the charter, particularly in the spheres of postgraduate studies and standards/improvements in the quality of Endodontic care.

The Society also looks forward to working with the ESE in developing new initiatives and possibilities. It is safe to say that the committee has a unanimous and indomitable will to continue the activities it has already started, and looks forward to the ongoing success of the Society.

The Czech Society of Endodontology arranges scientific workshops twice a year and holds an annual conference. The most recent workshop of the CES was held on June 3rd and 4th 2011 in Trebon, Czech Republic. Several members of the CES took part and delegates were mindful of the approaching ESE Biennial Congress to be held from September 14th to 17th 2011 in Rome.

Activities for 2011 culminated in the third annual conference of the CES on October 1st 2011 at the Hotel Pyramida, Prague, Czech Republic. Everybody enjoyed valuable specialized lectures given by eminent personalities in Endodontology, both from the Czech Republic and from Slovakia. The endodontic-conference year was pleasantly closed by an 'exit conference' in Patince, Slovakia on November 25th to 27th, 2011.

We would like to cordially welcome all friends of Endodontology at our events. For more information see [www.endodont.cz](http://www.endodont.cz) and [www.endodont.cz/en](http://www.endodont.cz/en).

**Doc. MUDr. Lenka Roubalíková, Ph.D.**

*Country Representative*

## Annual Convention 2010 of the Deutsche Gesellschaft für Endodontie in Berlin

### Pre-Congress Workshops

This year, the capital city attracted almost 400 committed participants to an outstanding programme.

The first colleagues arrived at the Pullman Hotel "Schweizer Hof" in Berlin City on Thursday at noon, ready for hands-on workshops conducted on the afternoon before the main convention.

Only "early birds" were lucky enough to claim one of the limited number of seats available. Demand was understandably great for presentations on the various systems and technologies on show; exciting concepts and technologies with the potential to enforce a paradigm shift in our endodontic work.

The hands-on workshops which were run by experts, partly by the presenters, partly by representatives of the industry, provided the opportunity to try out file systems at very well equipped workstations and to discover the possibilities and perils of the respective concepts.

### Main Convention Friday

In the morning of the first day, Dr. Carsten Appel/ Niederkassel, the President, and Priv.-Doz.Dr. Christian Gernhardt / Halle (Saale), member of the Board, welcomed all participants in the large Convention Hall of the hotel. After a few organisational notes, the first speaker was introduced, Prof. Gustavo De-Deus from Rio de Janeiro.

The topic of his speech was 'leakage', i.e. the occurrence of bacterial passage-ways in the area of the root filling. Prof. De-Deus was able to deliver tough scientific facts the Brazilian way. In the breaks, the participants could visit the comprehensive dental exhibition. Many important industrial representatives were there with their array of endodontic products.

In the afternoon, Prof.Dr.Dr. Rudolf Reich, an Oral Surgeon, addressed the audience. His speech dealt with the possible complications after endodontic treatments and how they are managed.

The speaker that followed was Prof. Zvi Metzger from Tel Aviv. He introduced the Self Adjusting File (SAF) system. The system is able, in one step, to clean and disinfect the root canal system requiring a single instrument only. Most interesting was his evidence to show how well the SAF

manages oval canal structures compared to traditional methods, and how the anatomy is respected.

The second working concept was shared by Prof. Ghassan Yared who has dealt for many years with the reciprocal movement of root canal instruments. In his final speech on Friday night, he encouraged thought on implementing new ways of approaching root canal treatment, notably on the effectiveness of working instruments and their resilience to fracture.

## Evening Event in the Water Works

The facilitators of this year's Annual Convention found the ultimate place for the essential evening get-together. In the breath-taking environment of the historic water works of Berlin in Wilmersdorf, guests enjoyed a relaxed evening among the old pumping machines in industrial design.

## Main Convention on Saturday

Astoundingly, despite the preceding long night out, the Convention Hall was already full when Prof. Kenneth Hargreaves from San Antonio entered the stage.

Many know this speaker as the editor of the Journal of Endodontics and Editor of the standard textbook Pathways of the Pulp. During several enthralling hours, he presented an exceptional summary of regenerative endodontics, ranging from the currently applied and already very well examined method of revascularisation/ root generation, to an insight into research on stem cells and the implications of growth factors in endodontic therapy. His overview was comprehensive and was followed by a question and answer session in which he calmly and explicitly addressed all of the questions of those wanting clarification or wanting to take things more deeply. An impressive speaker whose engagement for this Convention deserves particular thanks from the organising team!

In the afternoon, a particular team excelled with a thrilling presentation on postendodontic care, an important and complex part of our practical work that requires a periodic update.

Together, Dr. Clemens Bargholz from Hamburg and Dr. Uwe Blunck from Berlin were able to perfectly demonstrate how individual steps of treatment should be performed according to current best knowledge in adhesive technology.

The Annual Convention of the DG Endo allows only one conclusion: With perfect organisation and an excellent choice of top-class speakers, attendance at the Berlin event was definitely very worthwhile! For all of those who keep questioning their actions and aim at getting better and better, it was an absolute highlight.

## Lithuanian Society of Endodontology

The Lithuanian Society of Endodontology was established by a small group of 13 Endodontists and Odontologists in November 1993, becoming the first Professional Dental Society in Lithuania. The constitutive meeting took place in Vilnius, capital of the Republic of Lithuania. Thanks are due to the commitment and hard work of the founder members - prof. Vytaute Peculiene, assoc. prof. Rasmute Maneliene and dr. Bronius Sidaravicius.

The main reasons for establishing the Lithuanian Society of Endodontology were to promote Endodontology within the profession, to establish an active partnership with other dental societies, improve the representation and profile of Endodontology within Lithuanian dental schools and to facilitate expert communication and discussion among dentists.

At the present time, the Society has about 80 members. The members of Society's executive board currently are: assoc. prof. Saulius Drukteinis (President), prof. Vytaute Peculiene, dr. Greta Lodiene and dr. Bronius Sidaravicius (Secretary).

Last year, the General meeting of members decided to apply for full membership of the ESE. Our application was successful and we were accepted as a full member at the General Assembly of the ESE in Lisbon on 23rd October, 2010.



Fig. 1. The participants of annual conference of the LSE, Endodontology 2010.

The annual conference of the LSE, Endodontology 2010, was held in Vilnius on 26th – 27th November, 2010. More than 250 dentists with a special interest in Endodontology

attended the conference (Figure 1). The meeting was accompanied by a dental exhibition. The participants attended the scientific programme presented by invited and Lithuanian speakers.

The meeting started with a short slideshow of images reflecting the history of the LSE. After a short complimentary speech, the former President of the LSE, prof. Vytaute Peculiene was awarded Honorary Life Membership of the LES in recognition of her outstanding contribution to Endodontology, and to a wealth of scientific, academic and social activity (Figure 2). Prof. Vytaute Peculiene led the foundation and development of the LSE for many years. Currently she is the dean and professor at the Institute of Odontology, Faculty of Medicine, Vilnius University and member of Society's Executive Board.



Fig. 2. An award of Honorary Membership was given to Prof. Vytaute Peculiene for her achievements in Endodontology over many years.

The scientific programme was started by Prof. Vytaute Peculiene. She gave an excellent presentation, describing the risk factors influencing vertical root fractures of endodontically

treated teeth and the possibilities to prevent them in clinical practice. A lecture about root resorptions during orthodontic treatment was given by Assoc. Prof. S. Drukteinis and Dr. L. Linkeviciene. They analysed the types and mechanisms of root resorptions, the risk factors and strategies of prevention and treatment.

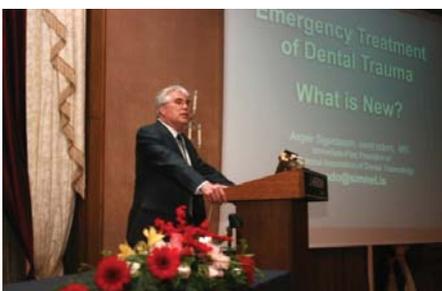


Fig. 3. Dr. Asgeir Sigurdsson gives the lecture about current concepts in dental traumatology.

The invited speaker, Dr. Asgeir Sigurdsson from Iceland, introduced current concepts in diagnosis, treatment and prevention of dental traumas, and the management of late complications during his 3hr

presentation (Figure 3). The step by step clinical use of MTA was then introduced by Dr. G. Lodiene. The final lecture was given by Dr. K. Bušauskas and Dr. R. Veberiene. They presented difficult and unusual endodontic cases and discussed possible treatment options.

The first day of the meeting ended with a get-together party in 'Ben's bar' in the venue hotel. It was a great chance for all speakers, guests and participants to discuss the topics of the lectures and enjoy the company of good friends.

Dr. D. Ivanauskaitė started the second day of the conference with her lecture about the possibilities of cone beam tomography in diagnosis and differentiation of endodontic diseases. The problems arising during post removal were analysed by Dr. Ž. Grabliauskiene.

The invited speakers Dr. Nicola M. Grande and Dr. Gianluca Plotino from Italy gave a 3 hr lecture entitled "The future of root canal cleaning and shaping" (Figure 4). They discussed the current literature on root canal anatomy, conventional and new instrumentation techniques, and introduced reciprocating NiTi files, their advantages and disadvantages. Great attention was given in the lecture to intracanal medicaments and different irrigation protocols.



Fig. 4. The new root canal cleaning and shaping techniques were discussed by Dr. N.M. Grande and Dr. G. Plotino.

The meeting was concluded by Dr. P. Kalesinskas. He gave an interesting and informative lecture on "Direct composite restorations".

This meeting was again well attended and was a great

success. I would like to thank all of the organizers, sponsors and participants for great support and friendship.

**Assoc. Prof. Saulius Drukteinis**

*President of the LSE*

## Netherlands Association of Endodontology



The Netherlands Association of Endodontology (NVvE) Fall Conference on 3D imaging methods in Endodontology took place on November 20th 2010 in

Amsterdam. The NVvE continues to attract top speakers and educators to its seasonal conferences. This year's speaker was Dr. Shanon Patel from London, UK. Dr. Patel lectured about endodontic applications of Cone Beam CT (CBCT). He also presented a fascinating lecture on periapical lesions and their healing as seen with CBCT. Other speakers were Marelli Metska, Roberto Cristescu and Hagay Shemesh all from the Academic Centre of Dentistry (ACTA), Amsterdam. A poster session was presented during the lunch break. Hundreds of Dutch and Belgian dentists participated and since the meeting was conducted in English other international guests joined as well.

The next meeting of the NVvE was held in Amsterdam in March 2011 and focussed on emergency endodontic treatments.

## Russian Endodontic Congress



In recent years, Russia has seen considerable development of endodontics as a distinctive branch of dentistry. Among significant events, we can name the entry of Russia to IFEA and the ESE in 2010 and the first Russian Endodontic Congress

held on 1st April 2011 at the Milan Hotel, Moscow. The Congress brought together more than 300 specialists from Moscow, Saint-Petersburg, Ekaterinburg, Kineshma, and Vladivostok, along with more than 20 sponsors, and 6 knowledge partners who took part in the exhibition and Congress organization and equipped demonstrations and workshops.



Images from the Russian Endodontic Congress

The scientific agenda was successfully fulfilled through a mixed programme, including world famous endodontists from Germany, Israel, Lithuania and Italy, along with lectures by Russian professors and young endodontic specialists, who showed their skills not only in lecturing, but also in workshop presentation.

The programme of the Congress was highly topical. Many questions of high priority were discussed, such as: developing a speciality, clinical thinking, negotiation of complex root canal anatomy, new technologies and a new generation of instruments, based on reciprocal movement.

All the interested doctors had an opportunity during the workshop not only to see and touch the new instruments, but to use them as well.

**The forthcoming Russian Endodontic Congress will take place from the 30th of March until the 1st of April 2012.**

For further information e-mail: [endoforum@mail.ru](mailto:endoforum@mail.ru)

We hope to see you soon!!!

**The Organizing Committee of  
Endodontic Society of the  
Russian Dental Association**

## Meeting of the Post-Graduate Endodontology programmes of the Low Countries

The Academic Centre for Dentistry Amsterdam (ACTA) hosted the 2nd meeting of the postgraduate endodontic programmes of the Low Countries in November 2010. Postgraduate students and staff from the Catholic University in Leuven, the University of Gent in Belgium and ACTA, the Netherlands participated in a 2 day programme that included lectures from programme directors or their representatives about the history and structure of the postgraduate endodontology programme at their schools. A scientific programme was also presented by post-graduate students from the three universities. A large number of the presentations dealt with new imaging techniques and especially the endodontic applications of Cone Beam CT.

In addition to the educational programme, participants enjoyed a festive social event sponsored by Dentsply. The meeting was a big success and all participants promised to see each other at the next meeting, scheduled to be in 2013 in Leuven, Belgium.

A competition between all presentations resulted in a win for Veerle Gunst, a post-graduate from the Catholic University of Leuven in Belgium who presented interesting cases of cervical root resorption in individuals playing wind-instruments. The abstract of her exceptional presentation is enclosed below.

### Playing wind-instruments as a possible etiologic cofactor in external cervical root resorption: two case reports

**Veerle Gunst, Catholic University of Leuven, Belgium**

**Aim** To present two cases of external cervical resorption (ECR) on maxillary incisors, in which the primary aetiologic factor is suggested to be pressure trauma by frequently playing wind instruments.

**Summary** The exact aetiological spectrum of ECR is still poorly understood. For resorption to occur, a defect in the cementum layer (trigger) is a likely prerequisite. While the mechanism for continuation (stimulus) is still unclear, knowledge of potential predisposing factors is important in assessing patients at risk. Pressure generated by playing wind instruments could present an aetiological factor in ECR because it affects the cervical region of the root surface. The cases that are presented may confirm this hypothesis and the extent of resorption defects is shown by cone-beam CT and micro-focus CT imaging techniques.

**Key learning points:**

- The repetitive forces generated by playing wind instruments could be compared to excessive and longstanding orthodontic forces and therefore may initiate and stimulate ECR.
- Music teachers as well as general dental practitioners should be aware of the potential impact of playing wind instruments on the orofacial structures.
- If possible, a protective mouth guard should be fabricated and used while practicing.
- Cone-beam CT analysis is useful for the clinical diagnosis and treatment planning of ECR.
- Micro-focus CT analysis does reveal the extent and complexity of an ECR defect ex vivo.

## A window on National Endodontic Committee business:

### Pooling strengths in Germany

Following this motto, the Deutsche Gesellschaft für Zahnerhaltung (DGZ; German Society for Conservative Dentistry) and the Deutsche Gesellschaft für Endodontie (DGEEndo; German Society for Endodontics) have launched a new chapter in the history of Endodontology and Conservative Dentistry in Germany. For two years the boards have increased their contact and held joint conferences. This was the beginning of a productive and, most of all, trustful co-operation.

The greatest restructuring occurred within the DGZ (German Society for Conservative Dentistry). This has become the 'parent' organisation for all Dental Conservation specialist societies:

- Restorative Dentistry
- Endodontology & Dental Traumatology
- Preventative Dental Medicine

The respective strengths of the individual societies can now be pooled and jointly represent the field of Dental Conservation.

Endodontology will be represented within DGZ by the newly named 'Deutsche Gesellschaft für Endodontologie und zahnärztliche Traumatologie' (DGET). All previous activities of the DGEEndo will be continued by the existing board and previous activities of the Arbeitsgemeinschaft für Endodontologie und Traumatologie (AGET; Work Group for Endodontology and Traumatology /DGZ) will be incorporated within the DGET.

**The goals of the revised structures are:**

- Uniform representation of Endodontology in Germany;
- Joint representation also in relation to and together with the professional and industrial politicians;
- Common criteria for the specialist in Endodontology;
- Uniform representation at the European level (ESE);
- Intensive close collaboration between universities and dental practice;
- Use of joint resources for conferences, curricula, training events, etc;
- Avoidance of competing events;
- Joint preparation of scientific papers.

The framework has now been established - but there is a lot of work still to be done. We hope in this respect to receive the encouragement and the support of everyone, and are sure that we will achieve even more together in the future!

## News of members:

### Retirement of Min Kai Wu



On September 29, 2011 Dr Min-Kai Wu retired from his active academic career at the department of Endodontology of the Academic Centre for Dentistry Amsterdam (ACTA) with a final lecture and a reception that was attended by many colleagues and students.

Dr Wu first came to Amsterdam in 1988 as a visiting scholar from China for a period of 6 months but returned to ACTA in 1989 during the ESE congress in Amsterdam and stayed thereafter, first as a guest scientist and later on as a PhD student to finish in 1993 his thesis: "In vitro determination of leakage in endodontic research". Part of this thesis was his still very frequently cited paper; "Endodontic leakage studies reconsidered".

After completing his thesis Dr Wu continued to work at ACTA focusing on various aspects of endodontic research and educating postgraduate students by teaching them a critical approach towards dental research, stimulating them to analyze the literature and assess existing evidence. He was the scientific mentor of several PhD students and guest researchers.

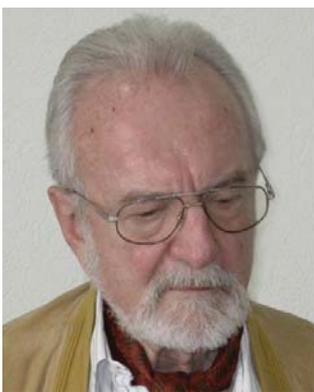
Dr Wu published about 90 articles in SCI indexed journals and was key note speaker at many major endodontic congresses. His thought provoking papers and lectures have made him a special person in the endodontic arena. He is a visiting professor at the University of Peking in Beijing, China, and served for several years as an associate editor of the International Endodontic Journal. Hopefully he can still function as a freelance scientist after his retirement, and guide more young researchers to become mature independent scientists that can take over what he has sown and planted.

We are very grateful for what he has done for the science of endodontics.

**Paul Wesselink and Hagay Shemesh**

## In memory of Wladimir Adlivankine

### Tribute to Dr.med.dent. Wladimir Adlivankine



Dr.med.dent Wladimir Adlivankine was a founding member and honorary member of the Swiss Society for Endodontology (SSE). Wladimir was a character who endowed those that knew him through his fascinating life with only the best memories.

He was born in 1926 in Alexandria, Egypt to parents, originally from Russia. This explains his lingual acrobatics as he juggled 8 languages - Russian, German, French, English, Italian, Portuguese, Spanish and Arabic.

His ability to master all these different languages was closely linked to his readiness and pleasure to meet other people. He was of an immense culture, extremely well read, a reliable and loyal friend who paid special attention to the personal angles associated with friendly human relationships. This facet of his personality has deeply impacted every dental society to which he contributed.

Before becoming a dentist he studied at the faculty of Medicine in Lausanne, guided by parental preference. However unconvinced by rote learning and with youthful abandon, he changed his life and travelled to Brazil. Here he became, for three years, the director of a factory making gum based obturators for medical containers - perhaps a first inkling of his future chosen speciality.

Realizing that this kind of occupation would not fulfil his life objectives he found himself at another crossroads. At this point he decided to go up to Bern to read dentistry. Several years later he dissertated with a doctoral thesis supervised by Professor André Schroeder, published in Bern and Heidelberg. The topic was, "Electrosurgery in Endodontics", an exciting and promising area of research at that time. Sadly, some monkeys paid with their lives during the experimentation.

During his programme in Bern, he met and subsequently worked with the endodontic pioneer, Peter Guldener. Between the two men, a true friendship was born and, inevitably as a spin-off from this, his involvement in Endodontology began in earnest. As a matter of course Wladimir became the treasurer of the European Society of Endodontology (ESE) and thanks to his financial skills, he was a money manager without equal, he nurtured the funds of the ESE and they grew favourably. This was not his first try as treasurer since during his dental studies, he had already been the treasurer of the International Association of Dental Students.

In 1977 he opened his own dental practice, whilst continuing his international activities. In 1991, Peter Guldener, Michel Cergneux, Wladimir Adlivankine and Ram Nair founded the Swiss Society for Endodontology (SSE). Inevitably he was named treasurer of the SSE and built, as he did for the ESE, some good financial basis.

In recognition for his work for the ESE the "Wladimir Adlivankine Research Prize" was born and is awarded by the ESE Research Committee for the encouragement of research related to Endodontology.

He also became an honorary member of the SSE, and in the annual SSE conference in January, stands in the calendar, as a touchstone of his brilliant work.

It seems appropriate, that at this time of year, Autumn 2011, there was the ESE Conference in Rome. And perhaps with a nod to ESE history we do not forget those, including Wladimir, who have helped us get to where we are now.

All the dental community misses him and we address our warmest sympathy to Barbara his wife, who stays very close to the Swiss endodontic community, giving a hand every time she can.

***On behalf of the Swiss Society for Endodontology SSE  
Dr. Patrick Sequeira***