



## ESE Contact Information

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## Dear Colleague and Member of the ESE

An important mission of a non-profit-making association such as the European Society of Endodontology is to keep its membership informed of its current and pending activities. While the country representatives of each member society certainly do his/her best to keep you updated, the Executive Board decided at its recent meeting in Tübingen to issue a Newsletter. The first issue is what you now may be holding in your hand or reading off your computer. It is our ambition to produce at least one letter per year in order to highlight important events and accomplishments by individual members. In this particular letter for example you will enjoy reading the captivating report by John Whitworth on our recent and most successful Biennial Congress in Dublin. You can also find out about the focus of the research of two young investigators who were awarded the ESE Annual Research Awards in 2005. Of course we will also share with you decisions and plans dealt with by the Executive Board and the General Assembly so that you can provide input and let us know how you think we can best serve the Society. On a separate note in this Newsletter I therefore review some of the ideas we have deliberated upon at recent meetings.

**Gunnar Bergenholtz**  
President and Interim Editor

**eseistanbul2007**  
european society of endodontology

**13th Biennial Congress of the  
European Society of Endodontology**

**Istanbul – Turkey  
September 6 and 8, 2007  
Hilton Hotel & Convention Center**

**a city with culture of strong roots**

The **13th Biennial Congress of the European Society of Endodontology** will be one of the largest international gatherings in endodontics in 2007 and will take place in one of the most beautiful cities of the world. The Congress promises to feature a scientific program that will cater to all dentists. Invited speakers include: G Debelian, A Fouad, S Friedman, M Haapasalo, R Ibbetson, H Jenkinson, L-L Kirkevang, T Kvist, T Lambrianidis, M Närhi, PNR Nair, I Rotstein, W Saunders, A Sigurdsson, LWM van der Sluis, A Smith, A Tamse, M Trope, J Webber, P Wesselink, M-K Wu. Congress correspondence: [www.eseistanbul2007.com](http://www.eseistanbul2007.com)  
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# Established and Intended Activities of the ESE – Considerations of the Executive Board

A major effort was taken at the last Executive Board meeting to identify and prioritize our activities. As you well know an important mission of our society is to arrange a biennial congress. As a matter of fact the first one was held in Venice in 1983 after the Society was founded in 1982. This means that we will celebrate the 25th Anniversary at our 13th Biennial Congress in Istanbul next year. While this is a critical function and tremendously well executed at our 12th Congress in Dublin (see report by John Whitworth) both the original and the revised Constitution and Bylaws in 2001 state that our society should also foster high standards of endodontics in Europe. What this really means in terms of concrete actions has preoccupied our most recent Executive Boards and General Assemblies.

Among established activities (except for the **Biennial Congresses**) the ESE has through its subcommittees developed **Educational Standards** for both undergraduate and graduate levels. These programmes have been published in the IEJ and now serve as guidelines for many dental schools in Europe.

The ESE has also issued and published **Quality Guidelines** for endodontics. These have now been revised by a subcommittee led by Thomas Pitt Ford and are about to be published in the IEJ.

Although not many members of our society carry a formal specialist degree our Society believes specialization is important to enhance clinical skills and knowledge and thereby the status of our discipline. Getting **endodontics** recognized as **a clinical speciality** on a European level therefore carries a high priority. We are in the midst of that process and a subcommittee led by Kishor Gulabivala will soon complete the groundwork that will enable us to approach this highly critical development in a more formal direction. The documents produced by the Accreditation Subcommittee will within the next few months be posted at the ESE Web-site and be up for ratification at the next General Assembly.

The ESE also promotes education and research by awarding **prizes for distinct accomplishments**. The sums are not large but we hope to increase the amounts as our funds gain value. The Annual Research Grant is for 10 000 euro that can be shared by two or more applicants (see separate article in this Newsletter). The Hans Genet Award instituted by The

Netherland's Society for Endodontology is for young investigators or educators of distinction under 40 years of age. Finally, the Wladimir Adlivankine research prize is for the best presentation at our biennial congresses.

An important function of our society is to **disseminate scientific information**. We are proud to have an official publication of the highest standard supported by the skilful, hard-working editor Paul Dummer (see his report in this Newsletter).

The Executive Board has been far from satisfied with the accomplishments thus far and has identified a number of desirable future activities. High on that list is to arrange **research and consensus conferences**; these are really necessary given the tremendous knowledge explosion in our field. Not only do we think of the vast improvement of technological aids and materials for endodontics but also on the development of new clinical concepts for the management of pulpal disease. We are also at the door-step of a new understanding of endodontic microbiology and large number of reports are now surfacing analysing means to manage the infections of root canals. Clearly our knowledge level needs periodically to be reviewed, analysed and translated to the practice of endodontics. We see an important function of our society to take a leadership role in this endeavour. Along these lines we would also like to promote the release of **positions statements**.

**Gunnar Bergenholtz**  
President

## Rafael Minana and Leif Tronstad honoured by the AAE

American Association of Endodontists honoured at its recent annual congress in Honolulu two of ESE's most distinguished members, Rafael Minana and Leif Tronstad. Rafael, one of the founders of ESE, was inaugurated as an honorary member. Leif was awarded the very prestigious Grossman Award for his scientific contributions to endodontology. Congratulations to both of them.

# March Meeting of the Executive Board in Tübingen

The Executive Board of the ESE meets at least twice each year to conduct the business of the Society and to plan future activities. Below you will find the agenda items at our last meeting in Tübingen, a small city in southern Germany and the home of Claus Löst, the Secretary of the ESE, where most Executive Board Meetings have been held in recent years.

The meeting was held on Friday and Saturday, 17th and 18th of March, 2006. Already on the day before ESE Executives met with representatives from European dental companies near Stuttgart Airport in order to establish a dialogue with the aim of identifying opportunities for collaboration. The meeting was the first of its kind. More meetings are expected to follow at which items of mutual benefit will be discussed.

At the Board meeting it was concluded that ESE today serves no less than 26 full member societies and one associate member society in 23 countries. The total number of dentists as reported by the various societies for 2005 was 5459.

A highlight was the report from the Dublin Congress given by President Lynda Elliot and Maria Jennings of the organizing committee. Not only was the attendance at a record high level of 1255 attendees but the meeting also resulted in a healthy financial boost of the ESE capital. Congratulations to a tremendous effort and many thanks again to the Organizing Committee.

Other items of the meeting included:

- An update of the biennial congress in Turkey to be held in September 2007 (<http://www.eseistanbul2007.org>)
- The inaugural meeting with the industry
- The financial status of the ESE
- The International Endodontic Journal
- Discussions over the possible creation of an over-arching world endodontic organisation that could co-ordinate activities between the regions represented by such societies as the ESE, Trans Pacific Endodontic Society etc
- Issues relating to membership
- The ESE website (<http://www.e-s-e.org>)
- The Quality Guidelines
- Development of processes to recognise endodontic specialists
- Future activities and developments of the ESE

The Executive Board Members include:

President – Gunnar Bergenholtz; Secretary – Claus Löst; Treasurer – Dag Ørstavik; Editor – Paul Dummer with support from the Administrative Secretary – Carmen Buckley. In attendance were former President and current co-opted member of the Executive Board – Lynda Elliot and colleague of the organising committee for the Dublin Congress, Maria Jennings and the Turkey Congress organisers represented by Işıl Küçükay and Hakki Sunay.



*Current Executive Board of the ESE. From left to right: Claus Löst, Paul Dummer, Maria Jennings, Dag Ørstavik, Işıl Küçükay, Hakki Sunay, Lynda Elliot, Gunnar Bergenholtz.*

## ESE 12th Biennial Congress, Trinity College Dublin, 15-17 September 2005

We all need to know our place in history; where we've come from, where we're going to, the lessons of experience and investigation. The 12th biennial ESE Congress gave ample opportunity, as friends from 52 countries worldwide gathered at Trinity College, Dublin to share endodontically, socially, philosophically and genealogically - discovering their roots!

Early arrivals were treated to an impressive array of pre-congress courses, delivered by international authorities, and spanning a range of topics from differential pain diagnosis (Jeff Okeson), through operative NiTi instrumentation (Cliff Ruddle) and Resilon obturation (Martin Trope & Fred Barnett) to microsurgery (Peter Velvart) and the essential skills of analyzing research reports (Rob Newcombe); a session for everyone!

Events for the record-breaking 1200+ delegates commenced

on a 'grand, soft morning' (yes, it was raining, but gentle, fine rain), to the music and movement of 'Riverdance', combining Ireland's proud heritage, with its confident, optimistic present and future. The heart-felt welcomes of Lynda Elliott (ESE President), Maria Jennings (Chair of the organizing committee) and Johanna Glennon (Irish Endodontic Society President) were echoed in acapella song from Ceiliúradh ('celebration'), before Brendan Kennelly took the podium. Trinity Professor of Modern Literature, poet and joyous raconteur, he shared warmth of wit in narrative and verse, with affectionate reflections on life in general and Dublin in particular, with its pleasures and peculiarities.

Charmed and delighted, delegates were then off, spoiled for choice by a parallel programme in two theatres, oral presentations on freely chosen subjects in another and thematic research/clinical poster presentations in adjacent rooms. From the implant-endo debate, to stem-cell biology and vital pulp therapies; from optimized NiTi shaping to pain diagnosis and management, day one of the scientific programme could not fail to satisfy.

A little light exercise was called for, and what better than a short stroll to Dublin Castle for a welcoming drink and pre-dinner nibbles. But there was also serious business, with the Wladimir Adlivankine Research prize awarded to Dr P Thomson (Birmingham, England) for his work on 'In vitro characterization of the dentinogenic potential of Mineral Trioxide Aggregate', and the Hans Genet Award for an outstanding young academic Endodontist to Dr Thomas Waltimo, University of Oslo, Norway. Congratulations to them both and to Bill Saunders and Edinburgh, Scotland as newly announced hosts for the 2009 Congress. Conor McLister, Queen's University, Belfast was the recipient of the 5th IES Undergraduate Essay prize.

Friday awakened, warm and pleasant, as delegates took the morning air, strolling from their nearby hotels for another feast of fellowship and science. The Gunnar Bergenholtz Symposium on treatment resistant infections provided a strong draw, with presentations moderated by Markus Haapasalo on the limitations of *in vitro* microbiological research, the clinical realities of *E. faecalis* and extra-radicular infections and novel approaches to their management. The main parallel session developed understanding on physical and clinical testing of our materials before exploring some of the evidence on Resilon. It was then over to Linda Peters to address the core issue of biofilms and their management. The change of emphasis from the mechanistic to the biological was refreshing; how simplistic our investigations have often been, and how much work is needed to understand the fundamentals of the infections we strive to manage.

Theatres were packed to capacity; some might say a victim of the meeting's success, and some of those unable to claim

seats early were catered for by simultaneous transmission in satellite rooms. For the bright young researchers and clinician-scientists, interest may have been disappointingly low as the poster sessions continued out of sight of the main congress areas. Eighty-six investigations in the areas of microbiology, canal preparation, obturation, materials science, pathology, cytotoxicity/biocompatibility and clinical science reflected well on endodontics and its serious endeavors to strengthen its evidence-base. For future meetings, we must embrace and showcase our researchers more fully - we must not forget our roots!

After coffee and a light lunch on Trinity Green, the tempo picked up once again, with fascinating insights on our gambling behaviors in re-treatment decision making, and practical methods of dismantling restorations, dealing with complexities and retrieving fractured instruments. Nearby, the programme of 50 freely-chosen oral presentations and 59 clinical posters continued to demonstrate the many facets of endodontology. These were practical sessions for the thinking clinician, and underpinned by rich experience and clinical science.

Always the night for local culture, Friday celebrations were hosted in the historic surroundings of Trinity College dining room. A splendidly restored, galleried hall of natural wood and character, this was an evening of music, mirth and merriment. Themed areas accommodated all moods from quiet and reflective airs and melodies to hard-shoe traditional dancing and song. The inevitable ceili went on late into the evening with a smile on every face; an evening to remember with fondness.

For those who still had a spring in their step and whose hunger for knowledge was still un-satisfied, Saturday provided further opportunities, to be wowed by the potential of cone-beam tomography in diagnosis and decision-making (you would never have seen those cracks or that antral perforation), or to get up to speed with trauma management in the Leif Tronstad symposium. Hot on their heels, a view of new imaging techniques in minimally invasive research, the endo/systemic disease debate, and the revolution in endodontic microsurgery. For those with information overload or exhausted from the many business meetings going on in the background, snatched opportunities presented to explore this impressive university city, a chance to inspect original works by Newton or Darwin; to marvel at the ancient Celtic Christian heritage of the Book of Kells, or to share the 'craic' in one of Dublin's smoke-free bars. Faithful supporters of the profession and sponsors of the meeting, the extensive array of trade representatives remained attentive and informative throughout the congress, offering advice, product demonstration and good deals to coffee-drinking delegates. Always ending on a high, the final afternoon offered practical tips on getting the best from your digital camera with Eric

Herbranson, manfully fighting the flu to share his wealth of knowledge, and management of the fearful pain patient with Stanley Malamed. It is difficult to imagine a subject area that had not been covered in some breadth and depth, and congratulations are due to Lynda Elliott and her team in orchestrating a highly successful and enjoyable congress.

The time for farewells and the gala dinner came all too soon, and as delegates flocked to the Guinness Storehouse to celebrate with personally drawn pints of 'black velvet', it was time to look forward to Istanbul 2007 and to reflect on a thoroughly worthwhile, well-hosted meeting which had beaten all records and almost been a victim of its own success.

**John Whitworth**



*Lynda Elliott, Maria Jennings and Johanna Glennon, leading organizers of the 12th Biennial Congress of the ESE in Dublin*

## International Endodontic Journal, Editor's report on activity during 2005

It is my pleasure to provide the following report on the activity of the *International Endodontic Journal* during 2005.

During 2005, 116 scientific papers were published. One hundred and six of the papers were Original Scientific Articles, 2 were Reviews and 8 were classified as Clinical Articles/Case Reports. Overall, the number of pages included in the *Journal* throughout the year was 976 with 855 pages devoted to articles and the remainder taken-up by news/calendar items and research abstracts. The *Journal* continued to subsidise the publication of abstracts, notices of meetings and other news items from the affiliated societies, including the European Society of Endodontology.

A total of 373 new manuscripts were received during 2005 compared to 249 in 2004, an increase of approximately 50%. In 1999, when I took over as Editor, the number of submissions was 98; thus, we now receive approximately four times the number of manuscripts we did six years ago. Three hundred and fourteen of these new manuscripts were Original Scientific Articles, 8 were Review Articles and 49 were Clinical Articles/Case reports. The 373 papers were submitted from 45 countries, with a large proportion coming from developing countries such as Brazil (25%) and Turkey (13%), as well as the traditional sources such as the UK, US, Italy and Germany.

The Impact Factor of the *IEJ* rose to 1.47 last year (from 1.312 in 2004) making it the 18th ranked journal out of the 48 included in the analysis. When I took over as Editor the Impact Factor was approximately 0.8 and the Journal was around 30th in the list of dental journals. This dramatic improvement in the Impact Factor reflects the improved quality of the publications and the fact we now have 12 issues per year. It also reflects the hard work and commitment of the editorial team, *IEJ* Board and referees. It is expected that the high Impact Factor will encourage authors to submit quality manuscripts to the *IEJ* rather than to the other journals. Indeed, we are already seeing far more submissions in the fields of pulp biology and microbiology as authors now perceive the *IEJ* to be the leading endodontic journal in the world.

With the publication of 12 issues since 2002, the backlog of accepted papers at the end of the year was minimal. The average period from submission to publication was 321 days in 2005 down from 351 in 2004. The time between acceptance and publication for scientific papers published during 2005, was 131 days. The average number of days from receipt at Blackwell Publishing to print was 75 days, down from 99 days in 2004. Overall, 57% of the submissions were rejected, as was the case in 2004.

The Editorial Board and Referees have given me great help with the evaluation of papers. Special thanks must be extended to the Assistant Editor, Dr John Whitworth. John worked extremely hard to proof-read all the articles as well as continuing to lead the development of the clinical section; he also managed the listings of the national and regional endodontic societies, and the calendar of events. I must also thank Mrs Susan Bryant, the Editorial Co-ordinator, who has day-to-day responsibility for running the editorial office and Blackwell Publishing Ltd who continue to be proactive and enthusiastic to improve the service they provide.

You will recall that the *IEJ* was made available on-line as far back as 1999. This reflects the importance that Blackwell Publishing attaches to the *IEJ* and their perception of the *Journal* as a leading, quality international publication. Clearly, the continued availability of the Journal on-line via the

**Synergy** interface is exciting and we are confident this facility will enhance further its status and lead to increased subscriptions and readership. The **Journal** web site on the Blackwell Publishing home pages

(<http://www.blackwellpublishing.com/iej>) is also popular. The number of on-line subscribers continues to rise and in the future we may find more electronic subscribers than paper subscribers. Please remember that access to the journal online is possible; indeed, you will be surprised and delighted with the facilities available on the Synergy site. For information, during 2005 articles were downloaded over 200,000 times compared to 162,000 in 2004.

The major initiative for 2005 was the introduction of on-line submission and refereeing using the Manuscript Central web site that manages the Blackwell portfolio of journals. Sue Bryant and I worked hard to customise the site for the **IEJ** in readiness for the launch on 1st May 2005. The introduction of on-line submission and refereeing is an advantage to authors who are now able to upload their manuscripts electronically and then monitor their progress through the editorial process. For referees there are also advantages as they can now receive manuscripts and submit their reports electronically. The working practices of the editorial office had to change dramatically as a result of on-line submission and refereeing and this, together with the substantial increase in the volume of submissions, resulted in 2005 being a very busy period.

In preparation for the Board Meeting held in Dublin during the ESE Congress we undertook a SWOT analysis of the **Journal** that subsequently led to the development of an Action Plan that we believe will lead to further improvements in the IEJ. The changes we are considering include:

1. Making the IEJ available on-line from its first volume – at the moment it is only available from 1998;
2. Appointing Topic Editors to lead the editorial process in key areas such as canal preparation, canal filling, microbiology etc;
3. Making new appointments to the Board to ensure dynamic and strategic leadership;
4. Commissioning review articles using a thematic approach;
5. Restricting the length of basic laboratory studies to reflect their often limited conclusions and relevance;
6. Encourage the submission of clinical trials;
7. The establishment of an **IEJ Research Foundation**

In summary, the International Endodontic Journal is in a most healthy state. It is the leading endodontic journal in the world and one that provides leadership in research and clinical practice. We are delighted to be the official journal of the European Society of Endodontology and look forward to working with the Society to enhance our understanding of pulp and periapical disease and to lead clinical practice.

**Paul Dummer**  
Editor

## ESE (Annual) Research Award in 2005

Each year there is a competition for the ESE Research Award, which aims to support young investigators in their research. For 2005 the winners were Alexandra Petersen of the Department of Conservative Dentistry, University School of Frankfurt/Main, Germany and Maarten A. Meire, Department of Operative Dentistry and Endodontology, Dental School, Ghent University, Ghent University Hospital, Gent, Belgium



*Alexandra Petersen*



*Maarten A. Meire*

In her research Alexandra evaluates comparatively the effectiveness of calcium hydroxide and chlorhexidine as a dressing in the treatment of infected root canals with apical periodontitis by the use of Polymerase Chain Reaction (PCR) techniques. 52 single-rooted teeth from patients will be collected. Following chemo-mechanical preparation of the root canals either calcium hydroxide or chlorhexidine dressing will be applied. To determine the antimicrobial efficacy of irrigation and intracanal medication microbial samples of the root canals for subsequent microbial processing will be taken initially and at different times after treatment. After obturation of the canals the results of therapy will be monitored clinically and radiographically at 6, 12, 24 and 48 months post treatment.

Maarten will study the effectiveness of different laser systems in sterilizing root canals. He will be using an infected tooth model, in which extracted teeth are artificially infected with *Enterococcus faecalis*. Treatment groups include:

- PAD (Photo Activated Disinfection) application,
- Nd:YAG laser irradiation,
- KTP laser irradiation,
- NaOCl irrigation,
- No treatment (positive control).

Enumeration of bacteria in sampled fluid will be conducted by culture-based (plate count method) and non-culture based (Solid Phase Cytometry) microbiological techniques. Comparisons will be based on average number of surviving bacteria.