11th Biennial Congress of the European Society of Endodontology

October 2-4, 2003, Athens, Greece
On behalf of the European Society of Endodontology, the Hellenic Society of Endodontics and the Congress Organising Committee we extend to all participants, accompanying persons and exhibitors our warmest greetings and wishes for a fruitful Congress and an unforgettable stay in Athens.

Twenty years ago, a handful of enthusiastic and visionary dentists from 12 European countries founded the European Society of Endodontology and soon after the 1st Biennial Congress was held in Venice. In the coming years, the ESE tirelessly pursued its goals of promoting and advancing the science and art of Endodontology throughout Europe and now is embracing 19 European nations.

Today, you are looking into the programme of the 11th Biennial Congress; an event we hope it will prove that Endodontology in Europe is, indeed, fast approaching "Olympian Heights". With its 3 Pre-congress courses, 9 Symposia, 15 Addresses, 60 Oral and 168 Poster Presentations, the Scientific Programme is intended to highlight all recent advances and knowledge accumulated through scientific research and clinical experience in the field of Endodontology. The topics will be covered by lecturers well-known for their teaching, research, clinical and professional experience brought together for this occasion from various countries of Europe and North America. An effort was made to include lecturers from as many European countries as possible and to provide the platform for young and promising colleagues to present the fruits of their endeavors. The Organising Committee spared no effort in order to put together a comprehensive and diverse programme for fulfilling the needs and expectations even of the most demanding participant.

Simultaneously with the scientific programme, in the 300 sq.m of the Trade Exhibition more than 35 national and international dental companies are eager to show you the latest advancements in endodontic devices, materials and equipment. You will have plenty of time to enjoy browsing and purchasing your way through the displays. We wish to express our gratitude to our sponsors and exhibitors, especially Dentsply-Maillefer; their collaboration was essential for the realization of this Congress.

Last but not least, a variety of social activities- and especially the Gala Dinner on Saturday night- will give you the opportunity to meet old friends, to make new acquaintances and to enjoy the traditional Greek music, food, dancing and hospitality. In the eve of the 2004 Olympic Games, the city of Athens- named after Athena, the goddess of wisdom and knowledge- with its rich history, tradition and culture is the perfect choice for providing such an atmosphere and environment.

Enjoy your stay and the Congress!

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Sotiris N. Sykaras

Chairman, Scientific Committee & Congress Co-ordinator
Panos Panopoulos

President, Hellenic Society of Endodontics
George J. Siskos
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P. Bitzis

Congress President: S. N. Sykaras
INTERCONTINENTAL HOTEL
-2 LEVEL
1. LASER applications in dentistry

**HALL OMEGA**

**Moderator: G.P. Romanos**

9:00- 9:10  **Romanos G:** Introduction in the LASER Dentistry

9:10- 9:55  **Moritz A:** New aspects of the Laser applications in the Hard Tissues

9:55-10:40  **Gutknecht N:** New aspects of the Laser applications in Endodontics

10:40-11:00  **Coffee Break**

11:00-11:45  **Romanos G:** New aspects of the Laser applications in Oral Surgery and Implant Dentistry

11:45-12:30  **Oberhofer D:** New aspects of the Laser applications in Periodontology

12:30-13:00  Panel discussion and Conclusions

13:00-14:30  **LUNCH BREAK**

14:30-17:00  Parallel workshops with laser units used in: operative dentistry; endodontics; periodontology; oral surgery and implant dentistry

(Sponsored by ABACOSM/LASERS, DENTOFAIR, KAVO, MAVRAIDOPOULOS, SADENT)

2. Ni-Ti Rotary Instrumentation and Obturation with Thermafil (Sponsored by Maillefer)

**HALL SIGMA/DELTA**

9:30- 12:30  Workshop on Protaper - Theory and practice

**Pierre Machtou,** Professor and Head, Department of Endodontics, University Paris VII, France

12:30 – 13:30  **Break**

13:30 – 16:30  Workshops on Profile and Thermafil - Theory and practice

**Giuseppe Cantatore,** Associate Professor, Department of Endodontics, University of Verona, Italy

3. Orthograde Retreatment – From Concept to Practice

**HALL THETA**

**Shimon Friedman,** Professor and Head, Department of Endodontics, Dental School, University of Toronto, Canada

9:30- 11:30  Post-treatment disease: epidemiology, etiology and case selection

11:30-12:00  **Coffee break**

12:00- 14:30  Orthograde retreatment techniques
<table>
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<tr>
<td>09:00 – 10:00</td>
<td>Opening Ceremony</td>
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<td>10:00 – 10:30</td>
<td>Coffee Break</td>
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<tr>
<td>10:30 – 13:00</td>
<td>SYMPOSIUM 1</td>
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<tr>
<td></td>
<td><strong>Pharmacologic principles in endodontic therapy</strong></td>
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<td><strong>Moderator: J. Hutter</strong></td>
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<td>10:30 – 10:45</td>
<td>J. Hutter: Introduction</td>
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<td>L. Olgart: Analgesia in endodontic practice</td>
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<td>J. Hutter: The use of antibiotics in endodontics</td>
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<td>14:30 – 17:45</td>
<td>SYMPOSIUM 3</td>
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<td><strong>Pulpal and Periapical disease process: aspects on pathology and clinical management</strong></td>
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<td><strong>Moderator: G. Bergenholtz</strong></td>
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<td>14:30 – 15:15</td>
<td>S. Friedman: Observation or retreatment?</td>
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<td>Challenging choices for less than ideal root canal treatment</td>
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<td>15:15 – 16:00</td>
<td>D. Ricucci: Defining the apical limits of root canal cleaning, shaping and obturation.</td>
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<td>16:00 – 16:45</td>
<td>J. Gutmann: Do contemporary cleaning, shaping and obturation techniques result in higher endodontic success?</td>
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<td>16:45 – 17:30</td>
<td>P. Wesselinl: Minimizing coronal leakage – restorative imperatives for success with quality endodontic treatment</td>
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<td>17:30 – 17:45</td>
<td>Discussion</td>
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<td>SYMPOSIUM 2</td>
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Thursday, October 2nd, 2003

**BALLROOM III**

**Oral Presentations on Freely Chosen Subjects**

10:30 – 13:10 **Root canal preparation**

Moderators: E. Schäfer, M. Georgopoulou

10:30 – 10:50 **Ivanovic V**, **Beljic K**: Specific morphological characteristics of mesiobuccal root canal system in maxillary first molars in Serbian population

10:50 – 11:10 **Diemer G**: The second mesiobuccal canal in the upper molars. A challenge?

11:10 – 11:30 **Queiroz AV, Aguiar CM**: Radiographic evaluation of root canal preparation with hand files and nickel-titanium rotary files

11:30 – 11:50 **Roubalikova L**, **Wandrol P, Autrata R**: The effect of four rotary nickel-titanium systems

11:50 – 12:10 **Sleiman Ph**: The challenge of an endodontic rotary file

12:10 – 12:30 **Cheung GSP**: Fatigue failure of nickel-titanium instruments: metallurgical considerations

12:30 – 12:50 **Yared G**: Torque and fracture of NiTi rotary instruments


13:10 – 14:30 **LUNCH BREAK**

14:30 – 17:50 **Root canal preparation**

Moderators: A. Druttman, C. Ricci

14:30 – 14:50 **Kiefner P**: A new hybrid NiTi preparation technique for use in curved and constricted root canals

14:50 – 15:10 **Steffen H**, **Low A, Chu A**: Analysis of Flexmaster versus Profile in curved simulated root canals evaluated by students

15:10 – 15:30 **Pehlivan Y, Akcay I**, **Sen BH, Sevgican F**: Effectiveness of different vehicles on the placement of calcium hydroxide into root canals


15:50 – 16:10 **Ferrari LG**: Endo-streaming: Rationale, armamentarium and technique

16:10 – 16:30 **Chiperi M**: Root canal preparation with the hybrid method and obturation with lateral condensation. A clinical study

16:30 – 16:50 **Vandenwijngaert S**: Management of ledges

16:50 – 17:10 **Aktener BO, Yiit SG**: The success of different root canal preparation and obturation techniques. A clinical study.

17:10 – 17:30 **Frantzi V, Tsatsas B, Eliades G**: Retrieval analysis in endodontics by computerized x-ray microtomography (XmCT)

**ROOM VIP**

**WVLADIMIR ADLIVANKINE RESEARCH PRIZE COMPETITION**

Moderator: Roland Weiger

10.30 – 11.00 **Huber K**, **Thoma M, Metzger M, Hannig M**: Post-endodontic treatment with adhesively luted tooth coloured posts - how large can a canal be?

11.00 – 11.30 **Murray CA**, **Lappin D, Gracie JA, Saunders WP, McInnes IB**: Chronic periradicular disease: a novel human explant system used to investigate the role of interleukin-18 (IL-18).

11.30 – 12.00 **Myers PM**, **Whitworth JM, McCabe JF, Walls AWG, Smith JA**: Endodontic complications after plastic restorations in general practice.

12.00 – 12.30 **Saleh IM**, **Ørstevik D, Haapasalo MP**: Survival of Enterococcus faecalis in infected dentinal tubules after root canal filling with different root canal sealers
Thursday, October 2nd, 2003

FOYER

MORNING SESSION (10:30 - 13:00)
Presentation: 12:00 - 13:00

Research Posters
on Epidemiology, Diagnosis, Anatomy, Surgery

Moderators: Z. Fuss, T. Kvist

5. Boltacz-Rzepkowska E, Laszkiewicz J*: Evaluation of periapical health in a Polish population
9. McCabe PS*, Bryant ST, Dummer PMH, Newcombe RG: Outcome of root canal treatment in a dental practice
17. Bårdsen A*, Grung B, Knudsen GC, Fristad I: Root resorption in autotransplanted teeth: a study from Rogaland, Norway
22. Tsurumachi T*, Kuno T,Takita T: Scanning electron microscopic study of dentinal canal walls according to location and age
23. De Bruyne MAA*, Rosiers L, De Moor RJG: SEM-analysis of the integrity of resected root apices of cadaver teeth after ultrasonic root-end cavity preparation
27. De Bruyne MAA, Rosiers L*, De Moor RJG: Sealing ability of IRM, Fuji IX and MTA as root-end filling materials.
29. Kececi AD*, Adanir N: Comparison of the fracture strengh of various materials used to bond the fragments of vertically fractured pulpless teeth

Table clinic
10:30-13:00   E. Rivera: Treatment alternatives for split teeth
Programme

FOYER

AFTERNOON SESSION (14:30-18:00)

Presentation: 17:00 - 18:00

Research Posters on Root Canal Preparation

Moderators: P. Panopoulos, M. Hülsmann

1. Ciesielski P*, Kuzminski M: Accuracy of the Raypex electronic apex locator
2. Kuzminski M: Comparison of the accuracy of two electronic apex locators in a laboratory study
5. Hwang HK*, Kim MK: Removal of calcium hydroxide paste by irrigation
7. Wesselinck PR*, Lee SJ, Wu M-K: Removing dentine debris in resin root canals of different sizes using ultrasound
8. Wu MK*, Lee SJ, Wesselinck PR: The feasibility of using syringe irrigation and ultrasound irrigation to remove dentine debris from root canals
10. Al-Omarai MAO, Bryant ST, Dummer PMH*: The shaping ability of ProTaper rotary nickel-titanium instruments
11. Calberson FLG*, Derosee CAJG, Hommez GMG, De Moor RJG: Shaping ability of ProTaper rotary nickel-titanium files in simulated resin root canals
12. Kim J-W*, Park SH, Cho KM: Can novice operators shape simulated curved canals with Ni-Ti Rotary instruments?
13. Luoso D, Bassareo A*, Cotti E: Study of a canal shaping system: ENDO- EZE- AET
17. Migliau G*, Foschi F, Prati C, Galottini L: An in vitro study to evaluate several irrigation regimens
22. Nevenka T: Cleanliness of canal walls following hand or rotary instrumentation
24. Kang HY*, Hwang HK: The analysis of initial apical file size before and after coronal flaring
29. Reddington LP*, Knowles JC, Nazhat SN, Young A, Gulabivala K, Ng YL: The visco-elastic behaviour of dentine soaked independently in 17% Ethylenediaminetetraacetic acid (EDTA) and Sodium Hypochlorite (3% & 5% NaOCl), individually and in combination.
30. Zuckerman O*, Rosenberg E, Kfir A, Fuss Z: Determination of remaining dentin thickness (RDT) in various human teeth following instrumentation with Lightspeed
32. Darabara M, Meliou H*, Bouriéthis L, Zinelis S, Papadimitriou GD: Assessment of the composition and hardness of NiTi files
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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tbody>
<tr>
<td>09:00</td>
<td>SYMPOSIUM 5: Root canal system preparation: a critical approach on classic and modern techniques</td>
<td>P. Dummer</td>
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<tr>
<td>09:00</td>
<td>Overview of canal preparation</td>
<td>P. Dummer</td>
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<td>09:15</td>
<td>Removal of pulp tissue and microorganisms</td>
<td>K. Gulabivala</td>
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<td>10:30</td>
<td>Coffee Break</td>
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<tr>
<td>11:00</td>
<td>Shaping canals with stainless steel and Ni – Ti hand instruments</td>
<td>E. Schäfer</td>
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<td>11:45</td>
<td>Shaping canals with rotary Ni – Ti instruments</td>
<td>P. Machtou</td>
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<td>12:30</td>
<td>Discussion</td>
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<td>13:00</td>
<td>LUNCH BREAK</td>
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<td>14:30</td>
<td>ADDRESSES ON CLINICAL ISSUES</td>
<td>D. Tziafas, P. Bogaerts</td>
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<td>14:30</td>
<td>Evidence-based endodontic therapy</td>
<td>P. Sequeira</td>
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<td>15:15</td>
<td>Clinical evaluation of lasers in Endodontics</td>
<td>A. Stabholz</td>
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<td>16:15</td>
<td>Clinical aspects of microleakage in Endodontics</td>
<td>B. Sen</td>
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<td>17:00</td>
<td>Single – visit endodontics</td>
<td>A. Hoskinson</td>
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<td>17:45</td>
<td>A new thermoplastic synthetic polymer based root filling material to replace gutta-percha</td>
<td>M. Trope</td>
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<td>09:30</td>
<td>SYMPOSIUM 6: Aetiology, diagnosis and treatment of endodontic complications</td>
<td>A. Tamse</td>
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<td>09:00</td>
<td>Introduction</td>
<td>A. Tamse</td>
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<td>09:10</td>
<td>Prevention and management of perforations</td>
<td>Z. Fuss</td>
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<td>09:45</td>
<td>Erroneous length and width instrumentation and obturation: Identification, management and prevention</td>
<td>T. Lambranidis</td>
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<td>10:30</td>
<td>Coffee Break</td>
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<td>11:00</td>
<td>Fractured instruments</td>
<td>M. Hülsmann</td>
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<td>11:45</td>
<td>Complications in endodontic surgery</td>
<td>P. Velvart</td>
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<td>Discussion</td>
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<td>14:30</td>
<td>ADDRESSES ON CLINICAL ISSUES</td>
<td>B. Tsatsas, E. Merino</td>
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<td>14:30</td>
<td>Endodontic pain preventive strategies</td>
<td>P. Rosenberg</td>
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<td>15:15</td>
<td>Magnification in Endodontics</td>
<td>H. Waisch</td>
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<td>16:15</td>
<td>Chasing endodontic shadows</td>
<td>I. Rotstein</td>
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<td>17:00</td>
<td>Apical periodontitis and general health</td>
<td>J. Hutter &amp; L. Tronstad</td>
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<td>17:45</td>
<td>A new irrigant for the removal of smear layer and disinfection of the root canal system</td>
<td>M. Torabinejad *, Cho Y, Kettering JD, Shabahang S</td>
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</tbody>
</table>
Oral Presentations on Freely Chosen Subjects

09:00 – 13:00 Root canal obturation
Moderators: J. Webber, T. Lambrianidis

09:00 – 09:20 Briseno Marroquin B*, Sebus A, Willershausen B:
Dimensional stability of greater taper gutta-percha cones

09:20 – 09:40 Eldeniz AU*, Erdemir A, Belli S:
The effect of smear layer shear bond strength of resin based endodontic sealers to dentin

09:40 – 10:00 Bergmans L*, Moisidias P, Meerbeek B Van,
Lambrechts P:
Penetration of a hydrophilic resin filler EndoREZ® into dentinal tubules

10:00 – 10:20 Bergmans L, Moisidias P*, Munck J De,
Meerbeek B. Van, Lambrechts P:
Root Canal obturation with a hydrophilic resin filler EndoREZ®:
penetration and gap formation

10:20 – 10:50 Coffee Break

10:50 – 11:10 Economidis N*, Kokorikos I, Kolokouris I,
Beltes P, Gogos C:
Comparative study of the sealing ability of a new composite resin root canal sealer

11:10 – 11:30 Dandakis Ch, Lambrianidis T, Kaliva M, Kosti E*:
In vitro evaluation of the sealing properties of three root canal sealers used with the lateral condensation technique in teeth with iatrogenic enlargement of the apical constriction

11:30 – 11:50 Anesti R*, Serefrogliou M:
Sensitive and operator depended aspects of the obturation technique System-B

11:50 – 12:10 Serefrogliou M*, Anesti R:
Common problems of lateral condensation and System-B techniques

12:10 – 12:30 Pongione G*, Gambarini G, DeLuca M:
New trends in the restoration of the endodontically treated teeth

12:30 – 13:00 Friedman S:
Intentional replantation

13:00 – 14:30 LUNCH BREAK

14:30 – 17:50 Retreatment, MTA, Microleakage, Trauma
Moderators: E. Cotti, N. Kerezoudis

14:30 – 14:50 Yildirim T, Gencoglu N*, Firat I,
Perk C, Guzel O:
Histologic study of furcation perforations treated with MTA or Super-EBA in dog’s teeth

14:50 – 15:10 Juhasz A*, Marton I, Nagy IP, Laszlo U,
Hegedus C:
Three-dimensional reconstruction and measurement of the microleakage in the case of severely curved obturated root canals

15:10 – 15:30 Medioni E*, Ricci C, Charrier M:
Microleakage of three filling materials for furcation perforation

15:30 – 15:50 Khalil I:
Nickel-titanium rotary files in retreatment: advantages and benefits

15:50 – 16:10 Charbel A:
Angle of the apical resection on molars during endodontic microsurgery

16:00 – 16:20 Simon S*, Colon P, Machtou P:
Endodontic treatment of teeth with open apices: using of Mineral Trioxide Aggregate

16:20 – 16:40 Stamou E*, Tamse A:
Orthodontic-endodontic considerations in severely traumatized anterior permanent teeth

16:40 – 17:00 Lampropoulos A:
Endodontic retreatment: diagnostic considerations and feasibility

17:00 – 17:20 Georgiadis K*, Siskos JG:
Prosthetic rehabilitation of special cases of endodontically treated teeth

17:20 – 18:00 Metzger Z:
Vertical root fractures: understanding their biomechanics and early diagnosis may save much aggravation
Friday, October 3rd, 2003

FOYER

MORNING SESSION (9:00-13:00)
Presentation: 12:00 - 13:00

Research Posters on Leakage – Root canal obturation

Moderators: P. Wesselink, T. Pitt-Ford

2. van der Sluis LWM*, Wu M-K., Wesselink P.R.: Microleakage along gutta-percha fillings in the coronal section of teeth (backfill) with or without sealer.
11. Chaniotis A*, Kontakiotis E, Georgopoulou M, Farmakis E: Sealing ability of three filling techniques: the influence of applied pressure and measurement time on transport fluid results.

AFTERNOON SESSION (14:30-18:00)
Presentation: 17:00 - 18:00

Research Posters on Microbiology-Pathology

Moderators: D. Ørstavik, M. Haapasalo

17. Eldeniz AU, Ozer F*: Effect of EDTA and H₂O₂ on bond strengths between various resin cements and root canal dentin.
20. Diamanti E*, Kerezoudis NP, Galis DB, Tsatsas V: Chemical composition and surface characteristics of gray and new white ProRoot MTA.
8. Habahbeh N, Drucker DB, Qualtrough AJE*: In vitro evaluation of the effectiveness of different concentrations of sodium hypochlorite on Enterococcus faecalis.
31. Shon WJ*, Yang WK, Lim SS, Son HH.: Expression of MMP-1,2 and TIMP-1,2 in MG63 cells stimulated with P. nigriscens LPS and Ca(OH)2 – treated LPS.
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<td>09:00 – 09:30</td>
<td>J. Whitworth: Limitations of lateral condensation</td>
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<td>09:30 – 10:30</td>
<td>C. Ruddle: Warm vertical condensation</td>
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<td>10:30 – 11:00</td>
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<td>11:00 – 11:50</td>
<td>J. Webber: System B</td>
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<td>11:50 – 12:35</td>
<td>G. Cantatore: Thermafil and GT obturators</td>
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<td>12:35 – 13:00</td>
<td>Discussion</td>
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<td>14:30 – 17:30</td>
<td>Symposium 9:&lt;br&gt;<strong>Nonsurgical retreatment versus surgery</strong>&lt;br&gt;Moderator: A. Stabholz</td>
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<td>14:30 – 14:50</td>
<td>A. Stabholz: The dilemma of choosing between nonsurgical and surgical retreatment</td>
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<tr>
<td>14:50 – 16:00</td>
<td>C. Ruddle: Advances in nonsurgical retreatment</td>
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<td>16:00 – 17:00</td>
<td>B. Khayat: Advances in surgical endodontics</td>
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<td>Symposium 8:&lt;br&gt;<strong>Endodontic considerations in traumatic injuries of the teeth</strong>&lt;br&gt;Moderator: L. Tronstad</td>
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<td>09:00 – 09:40</td>
<td>V. Kaitsas: Crown fractures</td>
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<td>G. J. Siskos: Root fractures</td>
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<td>L. Tronstad: Pulp revascularization</td>
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<td>11:20 – 12:30</td>
<td>M. Trope: Apical periodontitis and root resorption</td>
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<td>14:30 – 17:15</td>
<td><strong>ADRESSES ON CLINICAL ISSUES</strong>&lt;br&gt;Modators: G. Gambarini, M. Ahlquist</td>
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<td>14:30 – 15:15</td>
<td>E. Cotti: Endodontic treatment of immature teeth with MTA</td>
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<td>15:15 – 16:00</td>
<td>T. Dao: Altered sensations associated with implant surgery</td>
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<td>16:00 – 17:00</td>
<td>A. Lussi &amp; B. Suter: Non-instrumental root canal preparation and obturation</td>
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Saturday, October 4th, 2003

BALLROOM III

Oral Presentations on Freely Chosen Subjects

09:00 – 13:10  Diagnosis, anatomy, pathology, surgery

Moderators: P. Horsted-Bindslev, K. Lyroudia

09:00 – 09:15  Arbab Chirani R*, Jacq J-J, Meriot P, Roux C:
Three-dimensional dental imaging: clinical applications
and interests in endodontic in vitro studies

09:15 – 09:30  Theodosopoulou I: Evidence-based endodontics:
PICO questions and answers

09:30 – 09:45  Kececi AD*, Celik D: Prospective investigation of
flare-up rates and related factors after emergency
treatment by senior students versus an endodontist

09:45 – 10:00  Sigusch BW*, Pfitzner A, Nietzsche Th, Fickert
H, Glockmann E: The probing pocket depth
influences the endodontic infection in non-carious teeth

10:00 – 10:15  Galgano C*, Samson J, Kuffer R, Lombardi T: Focal
cemento-osseous dysplasia affecting a mandibular lateral
incisor: a diagnostic pitfall

10:15 – 10:30  Gallottini L*, Miglior G, Giovannone T, Caciari E:
The adhesive post-endodontic restorations

10:30 – 10:45  Ambu E*, Ronzioni F, Consolo U,
Guadagni MG, Cocchi S, Piana G, Capecchi M,
Perrini N: Endodontic treatment on handicapped
patient: new perspectives

10:45 – 11:15  Coffee Break

evaluation of root-end cavity preparation: diamond
versus stainless-steel ultrasonic inserts

11:45 – 12:15  Kvist T*, Reit C: A 10-year follow-up of surgical and
nonsurgical endodontic retreatments

12:15 – 12:45  Bogaerts P: Guided bone regeneration after
apicoectomy: beneficial?

12:45 – 13:10  Aesaert G: A sinus tract, an obvious clinical
sign, a difficult diagnosis.

13:00 – 14:30  LUNCH BREAK

14:30 – 17:10  Moderators: A. Hoskinson, A. Morfis

14:30 – 14:50  Korachi M*, Qualtrough A, Drucker DB:
Comparison of endodontic microflora from
endo-perio and endodontic patients’ root canals

14:50 – 15:10  Kuzminski M: Electronic tooth length
measurement

15:10 – 15:30  Soloukidou E: Conservative or surgical
endodontic treatment?

15:30 – 15:50  Hassan A: Effect of the Nd-YAP Laser on
occlusion of lateral canals

15:50 – 16:10  Tosoundou E*, Apostolidou N, Tziafas D:
Dental pulp stem cells-based endodontic
applications: concepts and prospects

16:10 – 16:30  van der Sluis LWM*, Wu MK, Wesselink
PR: The oval canal: the anatomy and problems
of cleaning, shaping and filling

16:30 – 16:50  Pittrof M*, Briseno Maroquin B, Peter H,
Willershausen B: In vitro retentive strength
of three adhesively fixed post systems – a pilot
study

16:50 – 17:10  Willershausen B*, Cortazar Fernandez C,
Briseno Maroquin B: Biocompatibility of
MTA and different Portland type cements: an in
vitro study
Saturday, October 4th, 2003

CLINICAL POSTER SESSION (9:00 – 13:00)

Presentation: 12:00 - 13:00

Moderators: V. Ivanovic, E. Kontakiotis, K. Niamonitos

1. Zecin A.*, Boltacz E: C-shaped canal – presentation of cases
3. Pervan I*, Blazic PZ: Tooth-focus
4. Teodorovic N.*, Vujaskovic M., Miletić V.: Root canal treatment of upper premolars with anatomo – morphological variations - cases reports
5. Magkos S*, Niamonitos K., Kerezoudis NP: Mandibular premolars: A challenge to endodontists
7. Sepic BM.*, Molnar M. Pater L: The pulp vitality in asymptomatic teeth involved in the progressive periodontal disease
8. Luksic-Dolenc N*, Leusic J: The influence of periodontal status on pulp condition
9. Leusic J*, Njimiroykiss V: Radiodensitometry in evaluation of chronic apical periodontitis before and after endodontic treatment
10. Banaszek K*, Bialaczewski L: Toothache and nasociliary nerve syndrome
11. Lombardi T*, Galgano C, Samson J, Kuffer R: Langerhans’ cell histiocytosis associated with a lateral radicular cyst
12. Pavelic B*, Jukić-Krmek S, Šegović S, Anić I: Periodontal tissue necrosis caused by the paraformaldehyde pulp tissue devitalisation
14. Choi GW: Tooth discolouration of upper central incisor treated with MTA shallow pulpotomy
18. Netolicky J*, Zahlanova E: Internal resorption and its contemporary possibilities of its treatment
22. Lipski M, Woźniak K*, Lichota D, Dembowska E, Grochowlewicz K: Clinical evaluation of the measuring accuracy of Raypex 4 apex locator
26. Leski M: Removal of a broken instrument using ultrasonic device and surgical operating microscope – three cases
27. Gençoğlu N, Yilmaz H, Karagenc B*: Clinical study on Ca(OH)2 points as intracanal medicament
31. Miletić V*, Grda D, Ostojić D, Savic T: Quality of obturation during endodontic treatment at undergraduate studies
Saturday, October 4th, 2003

Programme

Video presentation

9:00-13:00  Digka A*, Lyroudia K, Karagiannopoulou G, Kubinnova L, Krinidis S, Pitas I: 3-D reconstructions of 2 vascular plexuses of human dental pulps by using confocal microscopy.

32. Jung JY*, Kim ES, Choi H: Periapical surgery on maxillary first premolar with chronic sinus tract and apical calculus
33. Karadzic VB: Treatment of voluminous periapical lesions with polymethylmethacrylate based material
34. Slowik J, Kaczmarzyk T*, Stypulkowska J, Krupinski J: A successful endosurgical treatment of internal resorption of the root canal during one visit
40. Maddalone M*, Colombo M, Boschian L, Gagliani M: Correlation between presence of intraradicular posts and healing of periapical lesions after surgery
41. Hecovãa H*, StehlãÈkovãa J: The importance of the endodontic treatment of the avulsed permanent mature teeth
42. Iliãc J*, Vujaskovic M: Periapical health related to the quality of root canal treatment and coronal restoration
43. Sheykhrezaee MS*, Yousefi A: Evaluation of the stress distribution in the maxillary central incisor during endodontic and restorative cavity preparation
44. Radunovic M*, Kuburovic G, Jovanic P: Hydroxyapatite as a promising pulp capping agent
45. Lee SJ*, Nam KC, Kim ES, Kim DW: Clinical application of photoplethysmography as pulp vitality test
46. Saboury A: restoration of endodontically treated tooth with two-piece dowel and core
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<td>coltène whaledent® roeko &amp;</td>
<td><a href="mailto:miltos@vitsaropoulos.gr">miltos@vitsaropoulos.gr</a> &amp;</td>
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<tr>
<td>MILTIADIS VITASAROPOULOS S.A</td>
<td><a href="mailto:info@vitsaropoulos.gr">info@vitsaropoulos.gr</a></td>
<td><a href="http://www.vitsaropoulos.gr">www.vitsaropoulos.gr</a></td>
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<tr>
<td>MANI, INC</td>
<td><a href="mailto:clapton@ms.mani.co.jp">clapton@ms.mani.co.jp</a></td>
<td><a href="http://www.mani.co.jp">www.mani.co.jp</a></td>
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<tr>
<td>JOHN TSAPRAZIS &amp; CO P.C</td>
<td><a href="mailto:jtsap@acci.gr">jtsap@acci.gr</a></td>
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<td>DENTALCOM G. PAPAZOGLOU S.A.</td>
<td><a href="mailto:dentalco@otenet.gr">dentalco@otenet.gr</a></td>
<td><a href="http://www.dentalcom.gr">www.dentalcom.gr</a></td>
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<tr>
<td>COMPANY</td>
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<tr>
<td>CARLZEISS SERVICE-CENTER</td>
<td><a href="mailto:s.breitschopf@zeiss.de">s.breitschopf@zeiss.de</a></td>
<td><a href="http://www.zeiss.de">www.zeiss.de</a></td>
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<td>OBERKOCHEM MESSE-UND VERANSTALTUNGSOrganIZATION</td>
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<tr>
<td>LEONIDAS MANGRIOTIS LTD</td>
<td><a href="mailto:info@mangriotis.gr">info@mangriotis.gr</a></td>
<td><a href="http://www.mangriotis.gr">www.mangriotis.gr</a></td>
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<td>OBTURA/SPARTAN</td>
<td><a href="mailto:bdshefsky@aol.com">bdshefsky@aol.com</a></td>
<td><a href="http://www.obtura.com">www.obtura.com</a></td>
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<td>GLOBAL SURGICAL</td>
<td><a href="mailto:global@globalsurgical.com">global@globalsurgical.com</a></td>
<td><a href="http://www.globalsurgical.com">www.globalsurgical.com</a></td>
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<td>SYBRONENDO EUROPE</td>
<td><a href="mailto:CaicedoR@sybrodental.com">CaicedoR@sybrodental.com</a></td>
<td><a href="http://www.SybronEndo.com">www.SybronEndo.com</a></td>
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<td>BLACKWELL MUNKSGAARD</td>
<td><a href="mailto:Nicola.Stacy@oxon.blackwellpublishing.com">Nicola.Stacy@oxon.blackwellpublishing.com</a></td>
<td><a href="http://www.blackwellmunksgaard.com">www.blackwellmunksgaard.com</a></td>
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<td>KARL KAPS GMBH &amp; CO.KG</td>
<td><a href="mailto:info@kaps-optik.de">info@kaps-optik.de</a></td>
<td><a href="http://www.kaps-optik.de">www.kaps-optik.de</a></td>
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<tr>
<td>B &amp; K LTD</td>
<td><a href="mailto:bkltdd@compulink.gr">bkltdd@compulink.gr</a> &amp; <a href="mailto:bkltdd@in.gr">bkltdd@in.gr</a></td>
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<tr>
<td>DENTIST'S COOPERATIVE OF GREECE</td>
<td><a href="mailto:synoa@internet.gr">synoa@internet.gr</a></td>
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<td>SADENT</td>
<td><a href="mailto:sadent@otenet.gr">sadent@otenet.gr</a></td>
<td><a href="http://www.sadent.com">www.sadent.com</a></td>
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<tr>
<td>DAKA</td>
<td><a href="mailto:info@dekanemela.com">info@dekanemela.com</a></td>
<td><a href="http://www.dekamela.com">www.dekamela.com</a></td>
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<td>MSK</td>
<td><a href="mailto:box@mdk-nakanishi.co.jp">box@mdk-nakanishi.co.jp</a></td>
<td><a href="http://www.msk-nakanishi.co.jp">www.msk-nakanishi.co.jp</a></td>
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<td>I. MITSOUKA S.A</td>
<td><a href="http://www.mitsoukadent.gr">www.mitsoukadent.gr</a></td>
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<td>J. MORITA EUROPE</td>
<td><a href="mailto:info@JMoritaEurope.de">info@JMoritaEurope.de</a></td>
<td><a href="http://www.JMoritaEurope.de">www.JMoritaEurope.de</a></td>
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<td>ABOCOSM / LASER</td>
<td><a href="mailto:abacosm@otenet.gr">abacosm@otenet.gr</a></td>
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<td>39</td>
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</tbody>
</table>
SOCIAL PROGRAMME AND BUSINESS MEETINGS

SOCIAL PROGRAMME

Wednesday, October 1st
Get Together Cocktail  19:00-20:00
All participants are cordially invited to a Welcome Cocktail within the exhibition area at the Congress venue “Atheneum Intercontinental Hotel”. Registration will be held at the vicinity from 17.00-20.00

Thursday, October 2nd
Welcome Reception  19:30-22:30
Participants and accompanying persons are cordially invited to attend the Welcome Reception which will take place at the “Dora Stratou” Folk Dance Theater.
After the ESE and HSE scientific prizes and honours have been awarded, attendees will enjoy a rich and famous programme with Greek folk dances and music.
Following the show, a rich buffet will give you the opportunity to socialize with old friends and make new ones.
Buses will depart from the Intercontinental Hotel. Departure time is shown on your ticket. Please wear your name badges.

Friday, October 3rd
This evening is free to spend as you wish. You may feel like visiting one of the traditional restaurants in Plaka, the old part of the city, viewing Acropolis.

Saturday, October 4th
ESE Gala Dinner  20:00- early morning
Enjoy this festive occasion and join us to celebrate the completion of our Congress at the Athens Golf Club. Exquisite food, live music, entertainment and a lot of dance is waiting for you.
Tickets available at the Registration desk. Buses will depart from the Intercontinental Hotel. Departure time is shown on your ticket.

BUSINESS MEETINGS

The venue for all meetings is the Intercontinental Hotel.

<table>
<thead>
<tr>
<th>Meeting</th>
<th>Hall</th>
<th>Date</th>
<th>Time</th>
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</thead>
<tbody>
<tr>
<td>ESE Executive Committee</td>
<td>VIP</td>
<td>1/10</td>
<td>10:00-14:00</td>
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<tr>
<td>ESE General Assembly</td>
<td>VIP</td>
<td>1/10</td>
<td>15:00-18:00</td>
</tr>
<tr>
<td>ESE Executive Committee</td>
<td>VIP</td>
<td>4/10</td>
<td>13:00-15:00</td>
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<tr>
<td>Editorial Board of IEJ</td>
<td>VIP</td>
<td>4/10</td>
<td>16:00-17:30</td>
</tr>
</tbody>
</table>
GENERAL INFORMATION

Congress Dates: October 2-4, 2003
Congress Venue
Athenaeum Intercontinental Athens
89-93, Syngrou Avenue
117 45 Athens – Greece
Tel.: 210 920 6000, Fax: 210 9206500
e-mail: Athens@interconti.com

Hotel Athenaeum Intercontinental is centrally located and offers easy access to the city’s main business district. Just a short distance from the most famous historic landmarks, it presents the ideal setting for experiencing the Greek legacies of art and culture, surrounded by the vibrant life of a cosmopolitan city.
For the guest’s leisure time, the hotel provides indoor/outdoor swimming pool with pool bar and fitness equipment, hairdresser and shopping arcade with several shops, as well as restaurants, bars and parking.

Registration and Information desk
Entrance to the Congress will be via the main entrance of the Athenaeum Intercontinental Hotel. Elevators will take delegates to the Congress Venue on Levels -2 and -1. The Registration and Information Desk is located on Level -1.

Congress Office - Registration hours
Wednesday, 01 October 15:00 – 18:00
Thursday, 02 October 09:00 – 18:00
Friday, 03 October 09:00 – 18:00
Saturday, 04 October 09:00 – 16:00

Congress Language
The official language of the Congress is English. In some sessions, simultaneous translation into Greek will be available.

Entry to scientific sessions and social events
Admittance to the lecture halls, lobby and the exhibition area is restricted to registered participants wearing their valid name badge.
Admission to the social events by special ticket only.

Coffee break
Coffee will be served, on presentation of coupons, every day in the exhibition area.

Lunch
Lunch is not included. A catalogue of various restaurants can be found in the Congress Bag.

Transportation
Transport in the city can be done by buses, trolleys and metro. Taxis are inexpensive and can be hailed in the street or ordered from the reception desk at your hotel.

Time
Greece is two hours ahead of Greenwich Mean Time, 1 hour ahead of Central European Time and 7 hours ahead of New York time.

Currency
The official currency in Greece is the Euro. Foreign currency, traveler’s cheques and eurocheques can be exchanged at the airport upon arrival, as well as at all the major banks located throughout Athens. Major credit cards are accepted in hotels, restaurants, shops etc.

Banking and Shopping Hours
Banks are open from 08.00-14.30, Monday to Friday.
Shops are open on Tuesday, Thursday and Friday from 09.00 to 20.30 and on Monday, Wednesday and Saturday from 09.00 to 15.00, although in the main centers, opening hours are likely to be longer.

Telephone
Public telephone booths accept phone cards available from newsstands and kiosks. Some telephone booths accept also credit cards.

Tipping
Tipping is at your discretion. In restaurants, service is usually included in the bill, but a small tipping is considered normal. The same applies to taxi drivers.

Drinking water
It is safe to drink tap water in Athens.

Electricity
The electric current in Greece is 220 volts at 50 Hz. A round-pin adaptor may be necessary for electrical appliances.

Liability and insurance
Neither the Organizing Committee nor the Organizing Bureau will assume any responsibility for accidents, losses or damages, as well as for delays or modifications in the programme, caused by unforeseen circumstances. ESE will not assume indemnities requested by participants or contractors in case of cancellation of the whole Congress due to lack of participants, or for any other reason. Participants are recommended to arrange for their personal travel and health insurance.

Congress Organizing Bureau
Congress Secretariat
ERASMUS CONFERENCES TOURS & TRAVEL SA
99, Dinokratous street
115 21 Athens, Greece
Tel: +30 210 7257693
Fax: +30 210 7257532 E-mail: info@erasmus.gr Web-site: www.erasmus.gr
TOURIST TOURS

HALF-DAY SIGHTSEEING TOUR OF ATHENS
Daily-run (morning) 09:15-13:00 hrs.
TOUR CODE HD1
Cost: 43 EURO per person including round trip transportation to your hotel

HALF-DAY TOUR TO CAPE SOUNION
Daily-run (afternoon) 15:00-19:00 hrs.
TOUR CODE HD2
Cost: 29 EURO per person including round trip transportation to your hotel

FULL-DAY TOUR OF DELPHI, LEVADIA, ARACHOVA
Daily-run 08:15-18:30 hrs
TOUR CODE : FD1
Cost: 76 EURO per person including lunch and round trip transportation to your hotel

4-DAY CLASSICAL PRE-CONFERENCE TOUR
TOUR CODE: 4DCL
1st DAY: Sunday, September 28th.
Cost: 367 EURO per person on half board basis (breakfast & one meal) in superior class hotel.

5-DAY CLASSICAL POST-CONFERENCE TOUR
Saturday, October 4th , 2003 – Wednesday, October 8th, 2003
TOUR CODE: 5DCLM
1st DAY: Saturday, October 4th.
Cost: 478 EURO per person on half board basis (breakfast & one meal) in superior class hotel

Note: For pick up times from the hotel please check your ticket
MAP OF ATHENS

HOTELS
1. INTERCONTINENTAL
2. LEDRA MARRIOTT
3. DIVANI ACROPOLIS
4. METROPOLITAN
5. ATHENS PLAZA HOTEL
6. AMALIA
7. TITANIA
8. ATHENS ACROPOL
9. OMONIA GRAND
10. ATHENS GATE HOTEL