PARMA ITALY
WFLD 2019
20/22 JUNE
SOUND OF LIGHT
EUROPEAN DIVISION
7th EUROPEAN DIVISION CONGRESS
OF THE WORLD FEDERATION FOR LASER IN DENTISTRY

WFLD
IAE
Collegio deiGeografiLincei diScienzaGeografica
Collegio di ScienzeGeografiche
UNIVERSITÀ DI PARMA
Comune di Parma
COMMITTEE

Paolo Vescovi Italy
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Honorary President of the 7th WFLD-ED Congress

KEYNOTE SPEAKERS AND CHAIRPERSONS

Aghassi Elina Iran

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Barylja Adriaiana Ukraine

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## Keynote Speakers and Chairpersons

<table>
<thead>
<tr>
<th>Name</th>
<th>Nationality</th>
<th>Country</th>
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<tbody>
<tr>
<td>Magnoni Cristina</td>
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<td>Italy</td>
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<td>Mahler Patrick</td>
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<td>Monteiro Luis</td>
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<td>Mortellaro Carmen</td>
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<td>Olivieri Giovanni</td>
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<td>Oppici Aldo</td>
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<td>Painelli Anna</td>
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<td>Pentenero Monica</td>
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<td>Rasca Emilia</td>
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<td>Rey Gérard</td>
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<td>Romagnoli Ercole</td>
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<td>Roncati Marisa</td>
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<td>Salina Sergio</td>
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<td>Spadari Francesco</td>
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<td>Stübinger Stefan</td>
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<td>Terenziani Francesca</td>
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<td>Valamvanos Konstantinos</td>
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<td>Vitale Marina Consuelo</td>
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<tr>
<td>Zanin Fatima</td>
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<td>Brasil</td>
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## Programme at a Glance

### Thursday 20th June 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</thead>
<tbody>
<tr>
<td>14.00 - 14.30</td>
<td>1st Congress of IAE (International Academy of Emdola)</td>
</tr>
<tr>
<td>14.30 - 15.00</td>
<td>Dental Hygiene Societies Meeting</td>
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### Friday 21st June 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>9.00 - 9.30</td>
<td>Opening Ceremony</td>
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<tr>
<td>9.30 - 9.45</td>
<td>Memorial of Prof. Kenji Yoshida</td>
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<tr>
<td>10.00 - 10.30</td>
<td>Lectio Magistralis</td>
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<tr>
<td>10.30 - 11.00</td>
<td>Coffee Break</td>
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<tr>
<td>11.00 - 11.15</td>
<td>Periodontology</td>
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<tr>
<td>11.15 - 11.30</td>
<td>Oral and Maxillofacial Surgery</td>
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<tr>
<td>12.15 - 12.30</td>
<td>Photobiomodulation</td>
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<tr>
<td>13.30 - 14.00</td>
<td>Oral Medicine</td>
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<tr>
<td>14.00 - 14.30</td>
<td>Welcome Cocktail</td>
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<tr>
<td>14.30 - 15.00</td>
<td>Executive Board WFD</td>
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<tr>
<td>14.30 - 15.00</td>
<td>Workshop</td>
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<td>14.30 - 15.00</td>
<td>Workshop</td>
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<tr>
<td>15.00 - 16.30</td>
<td>Emdola Diploma Ceremony</td>
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### Saturday 22nd June 2019

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>9.00 - 11.00</td>
<td>Restorative Dentistry</td>
</tr>
<tr>
<td>11.00 - 11.30</td>
<td>Coffee Break</td>
</tr>
<tr>
<td>11.30 - 12.00</td>
<td>Endodontics</td>
</tr>
<tr>
<td>12.00 - 12.30</td>
<td>Coffee Break</td>
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<tr>
<td>13.00 - 13.30</td>
<td>Panel Discussion</td>
</tr>
<tr>
<td>13.30 - 14.00</td>
<td>Conclusions and Award Ceremony</td>
</tr>
<tr>
<td>14.00 - 15.00</td>
<td>Assemblea e Direttivo Silo</td>
</tr>
<tr>
<td>15.00 - 16.30</td>
<td>Emdola Diploma Ceremony</td>
</tr>
</tbody>
</table>
14.00 WELCOME ADDRESS

14.15 Is the newest protocol of 810 nm (diode laser) with 2 Watt in laser assisted endodontics safe for root surfaces of tooth?  
E. Aghassi

14.30 Evaluation of the analgesic effect induced by photobiomodulation: a pre-clinical study  
G. Ottaviani

14.45 Evaluation of the depth of cementum ablation by Er-YAG laser caused by different energy levels. A preliminary in vitro study  
H. Saad

15.00 Er, Cr: YSGG laser effect on the surface of implants with 3 different tips and different pulse energies  
E. Chegeni

15.15 Decontamination of root canals with Er-YAG and Nd-YAG lasers - in vitro study  
D. Bogatu

15.30 Photobiomodulation with a 645 nm diode laser: in vitro evaluation of proliferation and differentiation of Saos-2 cell line with or without Platelets Rich Plasma  
G. Ghidini

15.45 Photobiomodulation by a 635 nm (diode laser) on peri-implant bone: primary, secondary stability and bone density analysis. A randomized clinical trial  
J. Matys

16.00 Coffee Break

16.30 Clinical assessment of in-office dental bleaching efficiency and satisfactory using a violet led  
A.P. Brugnera

16.45 The Effects of 940 nm (diode laser) on human radicular dentin flexure and compressive strenght  
J. Donado

17.00 Debonding the veneers with laser Er Cr: YSGG (2780 nm) study 3D CT (in vitro)  
A.D. Tudose

17.15 In vivo effects of diode laser, and scaling and root planing on periodontally diseased root surfaces: a comparative study in different antimicrobial treatments  
L. Leoci, W. Antonietti

17.30 Different protocols of photobiomodulation for medication-related osteonecrosis of the jaw  
A. Mohsen

17.45 Cleaning of dental implant surfaces by Er: YAG laser. In vitro study  
M. Namour

18.00 Efficacy of low-level laser therapy for accelerating tooth movement during orthodontic treatment  
D. Montoya

18.15 Alveolus bone regeneration after low level laser therapy- a histological study  
D. Nica

18.30 The effect of PDT, of PIPS TM and the combination of PIPS TM and PDT on Enterococcus Faecalis infected root canals  
M. Olivi

18.45 Conclusions

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MEETING OF ITALIAN SOCIETIES OF DENTAL HYGIENE

NON-SURGICAL TREATMENT OF PERIODONTIS AND PERIMPLANTITIS: TRADITIONAL APPROACH vs NEW TECHNOLOGIES  
(in Italian language)

14.20 Saluti e presentazione del Corso  
S. Salina

14.30 La nuova classificazione della patologia parodontale e perimplantare  
S. Solomita

14.45 Epidemiologia delle parodontiti e perimplantiti  
M. Luperini

15.05 Il trattamento delle patologie parodontali con tecniche tradizionali  
M. Baldoni, P. Erba

15.35 Le proprietà terapeutiche della luce  
G.M. Nardi, M. Petruzzi

16.05 Coffee Break

16.20 Basi fisico biologiche delle applicazioni cliniche del laser  
E. Romagnoli, A. Cafaro

16.50 Perimplantite: trattamento laser assistito non chirurgico in combinazione con Guided Biofilm Therapy  
C. Pasquale

17.20 Il trattamento Fotodinamico nella patologia dei tessuti di sostegno parodontali e implantari  
M. Baldoni, P. Erba

17.50 Il trattamento laser chirurgico e non chirurgico delle parodontiti e perimplanititi  
S. Salina

18.20 Considerazioni conclusive e chiusura del Corso
The Power of ASP

SWEEPS® Photoacoustic Endodontics
Looking for a more effective endodontic treatment?

- Shock Wave Enhanced Emission Photoacoustic Streaming
- Improved debridement and disinfection
- Minimally invasive
- Faster, safer and more effective
- More patient friendly

Join us at WFLD-ED Congress 2019 for the lecture of Prof. Dr. Roeland DeMoor with title “Fotona Novelties and Revolutionary Sweeps Endodontic Technology” on Friday, 21st June from 11.00 to 12.15

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7th EUROPEAN DIVISION CONGRESS OF THE WORLD FEDERATION FOR LASER IN DENTISTRY

Aula Magna, University of Parma

9.00 OPENING CEREMONY
9.30 WELCOME ADDRESSES
9.30 Memorial of Professor Kenji Yoshida
9.45 Sam Namour
9.45 The Story of the World Federation for Laser in Dentistry
10.00 Toni Zeinoun
10.00 LECTIO MAGISTRALIS
10.30 The benefit of laser therapy in the predictability of tooth conservation
Carmen Todea

10.30 Coffee Break
11.00 LECTIO MAGISTRALIS

Aula Magna

11.00 PERIODONTOLOGY
11.15 Chairs: A. Brugnera, S. Namour, C. Todea
11.00 Current surgical and therapeutic uses for CO₂ lasers in oral surgery and periodontology
T. Zeinoun
11.30 Photodynamic therapy without dye in treatment of periodontitis and peri-implantitis
G. Caccianiga, M. Baldoni
11.45 In vitro determination of the critical Ph demineralization of human dental enamel irradiated with Nd:YAG laser associated to fluoridated product
D.M. Zezell

Aula dei Filosofi

11.00 PROSTHODONTICS
11.15 Chairs: J. Arnabat, C. Bertrand, F. Zanin
11.00 Diode laser’s applicability in prosthetics: clinical uses
F. Cattoni, B. Rebba

Aula dei Cavalieri

11.00 WORKSHOP
11.00-12.15
11.00 Fotonova novelties and Revolutionary Sweeps endodontic technology
Speakers: R. DeMoor, N. Malej Primc

12.00 Apdt in eradication of A. Actinomycetemcomitans by three different photosensitizers
N. Chiniforush
12.15 A non-invasive application of ER: YAG laser to remove lithium disilicate crowns from zirconia implant abutments: an in vitro study
K. Grzech-Leśniak

12.15 ORAL AND MAXILLO-FACIAL SURGERY
13.30 Chairs: D. Heysselaer, P. Mahler, P. Vescovi
12.15 Laser-supporting periodontitis and peri-implantitis treatments
S. Namour

12.15 PHOTOBIO-MODULATION
13.30 Chairs: K. Grzech-Leśniak, M. Meleti, L. Monteiro
12.15 The photobiomodulation (PBM) in oral pain management.
Neurological and clinical considerations
A. Del Vecchio

12.15 PHOTODYNAMIC THERAPY
12.45 The photobiomodulation (PBM) in oral pain management.
Neurological and clinical considerations
C. Bogdan

12.45 MANAGEMENT OF VASCULAR LESIONS OF THE ORAL MUCOSA
13.30 T. Espana
12.45 The photobiomodulation (PBM) in oral pain management.
Neurological and clinical considerations
C. Bogdan

12.45 CHRONIC ORAL CANDIDIASIS AND LLLT
14.30 V. Candotto
13.00 A comparative study between the effectiveness of 980 NM photobiomodulation delivered by hand-piece with gaussian vs. Flattop profiles on osteoblasts maturation
R. Hanna
13.00 Spontaneous bone sequestrum in patients affected by medication-related osteonecrosis of the jaw: role of photobiomodulation
M. Abdelfattah
13.15 Photoactivated disinfection and backscattered indicatrix use for follow-up and diagnostics of generalized periodontal disease
V. Burgonskyi
13.15 Dual wavelengths in primary teeth endodontics
I. Madan

A long term clinical review
G. Turatti

13.15 PHOTODYNAMIC THERAPY
13.30 Spontaneous bone sequestrum in patients affected by medication-related osteonecrosis of the jaw: role of photobiomodulation
M. Abdelfattah
13.30 Dual wavelengths in primary teeth endodontics
I. Madan

13.30 Lunch
14.30
### Aula Magna

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>14.30</td>
<td>Executive Board WFLD-ED</td>
</tr>
<tr>
<td>14.00</td>
<td><strong>Implantology</strong>&lt;br&gt;Chairs: A. Baryliak, K. Valamvanos, T. Zeinoun</td>
</tr>
<tr>
<td>16.00</td>
<td>Lasers in implantology: first and second surgical surgery&lt;br&gt;J. Arnabat</td>
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<tr>
<td>14.30</td>
<td><strong>Orthodontics</strong>&lt;br&gt;Chairs: C. Caprioglio, M. Vitale,</td>
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<tr>
<td>15.00</td>
<td>Effects of photobiomodulation in orthodontics&lt;br&gt;G. Caccianiga</td>
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<tr>
<td>16.30</td>
<td>Photobiomodulation with flat top hand piece: from research to the clinic&lt;br&gt;A. Amaroli, S. Benedicenti</td>
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### Aula dei Filosofi

<table>
<thead>
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<tr>
<td>15.00</td>
<td>Diode laser application in orthodontics: clinical report&lt;br&gt;M.E. Grecolini</td>
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<td>15.15</td>
<td>Removal of ceramic brackets using ER: YAG laser&lt;br&gt;N. Mohebbian</td>
</tr>
<tr>
<td>15.15</td>
<td>Laser and SDB (sleep-disordered breathing): how the light can help the sleep!&lt;br&gt;R. Crippa</td>
</tr>
<tr>
<td>15.30</td>
<td>APDT in decontamination in maxillary sinus lift surgeries before immediate implant installation&lt;br&gt;M. De Moraes</td>
</tr>
<tr>
<td>15.45</td>
<td>Photobiomodulation (PBM) and acceleration orthodontic movement: the news tools&lt;br&gt;M.J. Pérez-Rodríguez</td>
</tr>
<tr>
<td>15.45</td>
<td>In vitro effects of LLLT on angiogenesis: endothelial cell growth and vascular formation&lt;br&gt;F. Cuisinier</td>
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<tr>
<td>16.00</td>
<td>The association of photo-biomodulation and I-PRF is effective for MRONJ management?&lt;br&gt;Preliminary results&lt;br&gt;F. Rocchetti</td>
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### Aula dei Cavalieri

<table>
<thead>
<tr>
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</thead>
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<tr>
<td>16.30</td>
<td><strong>Oral Medicine</strong>&lt;br&gt;Chairs: S. Namour, P. Vescovi</td>
</tr>
<tr>
<td>18.00</td>
<td><strong>Implantology</strong>&lt;br&gt;Chairs: J. Arnabat, J. Lahmouzi, S. Salina</td>
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<tr>
<td>16.30</td>
<td>Laser in the management of potentially oral malignant disorders and oral tumors&lt;br&gt;U. Romeo</td>
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<tr>
<td>17.00</td>
<td>Indications and possibilities of laser use for the treatment of periimplantitis and bone regeneration&lt;br&gt;M. Dominiak</td>
</tr>
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<td>17.00</td>
<td>Laser treatment of oral leukoplakia.&lt;br&gt;Where are we now?&lt;br&gt;L. Monteiro</td>
</tr>
<tr>
<td>17.30</td>
<td>The research-based future with ND: YAG and ER: YAG lasers in inflamed periodontal tissue&lt;br&gt;K. Grzech-Leśniak</td>
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<td>17.00</td>
<td>LLLT and burning mouth syndrome&lt;br&gt;S. Marino</td>
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<tr>
<td>17.45</td>
<td>Photobiomodulation induced by polarized polychromatic noncoherent light (bioptron light): applications in dentistry&lt;br&gt;M. Petruzzi</td>
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<tr>
<td>17.00</td>
<td>The oral physician-role of the dentist today&lt;br&gt;A. Darbar</td>
</tr>
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**Schedule:**
- **Friday 21st June 2019**
- **Location:** Sala dei Prorettori
- **Venue:** 20.30 FELINO CASTLE
  - Bus from Parma at 20.00

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**Gala Dinner & Laser Fluo Party**

**20.30**
- Gala Dinner & Laser Fluo Party
<table>
<thead>
<tr>
<th>Time</th>
<th>Aula Magna</th>
<th>Aula dei Filosofi</th>
<th>Aula Cavalieri</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.00</td>
<td>RESTORATIVE DENTISTRY</td>
<td>LASER DIAGNOSTIC</td>
<td>LASER RESEARCH</td>
</tr>
<tr>
<td>9.00</td>
<td>Laser: innovation in clinical use based upon scientific evidence. Clinical cases A. Brugnera, F. Zanin</td>
<td>Non invasive high resolution optical modalities for medical imaging and non destructive testing A. Podoleanu</td>
<td>Benefits of laser technologies in conservative and surgical treatment of periodontitis J. Cherepinska</td>
</tr>
<tr>
<td>9.30</td>
<td>Dental bleaching using a new system violet led: clinical evaluation A.P. Brugnera</td>
<td>Fluorescence: from basic applications to 3D imaging A. Painelli, F. Terenziani</td>
<td>Experimental and clinical laser osteotomy S. Stübinger</td>
</tr>
<tr>
<td>9.45</td>
<td>Dental hypersensitivity treatment using diode laser 980 NM: in vivo study M. El Mobadder</td>
<td>Autofluorescence in skin biology C. Magnoni</td>
<td>Combined use of PBM and PRF: a promising new modality for the management of MRONJ cases K. Valamvanos</td>
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<tr>
<td>10.00</td>
<td>From pips to sweeps: an update in endodontic irrigation G. Olivi</td>
<td>Auto-fluorescence as a diagnostic tool for oral carcinoma and osteonecrosis of the jaw I. Giovannacci</td>
<td>The low level laser therapy in the management of medication-related osteonecrosis of the jaws C. Moreschi</td>
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<tr>
<td>10.30</td>
<td>How lasers affect sensitivity? R. Poli</td>
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<tr>
<td>10.45</td>
<td>Decementation (atraumatic removal) of glass fiber posts using irradiation with Er: Yag laser J. Matys</td>
<td>Differential analogic effect of 810 NM and 980 NM diode laser photobiomodulation on the immediate postoperative period for oral biopsies: a pilot study M. Cabras</td>
<td>Photobiomodulation at multiple wavelengths differently modulates oxidative stress in vitro and in vivo A. Poropat</td>
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<tr>
<td>11.00</td>
<td>Coffee Break</td>
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<tr>
<td>11.30</td>
<td>ENDODONTICS</td>
<td>PEDIATRIC DENTISTRY</td>
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<tr>
<td>11.30</td>
<td>Value added benefits of laser activated irrigation for root canal cleaning and disinfection: a critical appraisal R. De Moor</td>
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<td>Dental trauma in pediatric dentistry: a new approach by laser therapy M.C. Vitale, C. Caprioglio</td>
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<tr>
<td>12.00</td>
<td>The effectiveness of laser beam in removal of fractured niti endodontic files An in vitro pilot study L. Misoaga</td>
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<td>Laser-assisted surgery for treatment of oral epulis in a teenager patient M. Musoni</td>
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<tr>
<td>12.00</td>
<td>Value added benefits of laser activated irrigation for root canal cleaning and disinfection: a critical appraisal R. De Moor</td>
<td></td>
<td>Adantages and disadvantages in the use of laser in the biopsy of the hpv lesions D. Pergolini</td>
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<tr>
<td>12.15</td>
<td>The use of the electromagnetic field and leds light therapy in regeneration of peripical bone structures of the teeth in the endodontic treatment M. Jedlinski</td>
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<td>12.30</td>
<td>Combined use of PBM and PRF: a promising new modality for the management of MRONJ cases K. Valamvanos</td>
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<td>Evaluation of the depth of cementum ablation by Er-YAG laser caused by different energy levels. A preliminary in vitro study S. Houeis</td>
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<td>Maxillary orthodontic expansion assisted by unilateral alveolar corticotomy and low-level laser therapy: a novel approach for correction of posterior unilateral cross-bite in adults A. Lo Giudice</td>
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<td>Dental lasers used for decontamination - a review G.D. Constantin</td>
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<td>13.00</td>
<td>Aula Magna</td>
<td>Panel Discussion</td>
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<td>Laser Formation and Research: the future of the laser in Europe</td>
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<td>Presidents and Representatives of European Laser Societies</td>
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<td>Aula dei Filosofi</td>
<td>CONCLUSIONS AND AWARD CEREMONY</td>
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<td>EMDOLA DIPLOMA CEREMONY</td>
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