

CONGRESS PROGRAM

# ORAL IMPLANTOLOGY WORLD CONGRESS

PARIS, July 2<sup>nd</sup> 2014

Maison de la Chimie  
28, rue Saint-Dominique - 75007 Paris



**WFLD** World Federation for Laser Dentistry   
Formerly ISLD, founded in 1988



14<sup>th</sup> World Congress for  
**LASER DENTISTRY**

PARIS, July 2<sup>nd</sup>, 3<sup>rd</sup> & 4<sup>th</sup>, 2014

Maison de la Chimie  
28, rue Saint-Dominique - 75007 Paris





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# Welcome Address and Committees



Dear colleagues,  
I'm very proud to announce that the 1<sup>st</sup> Oral Implantology World Congress will take place in Paris under the auspices of Paris Descartes university.  
Welcome to Paris on the 2<sup>nd</sup> of July for an exceptional meeting and unforgettable occasion.  
I am waiting for you July 2-4, 2014 in Paris.

### **Pr Louis MAMAN**

DDS, PHDDEAN, FACULTY OF ODONTOLOGY, PARIS DESCARTES UNIVERSITY



Dear colleagues,  
It is a great honour to announce that the 1<sup>st</sup> Oral Implantology World Congress will take place in Paris on July 2<sup>nd</sup>, 2014. As the patients are getting older, the treatments are becoming more complex. The decision to establish a dental implant strategy is a crucial issue for general practitioners and specialists.  
The aim of this academic congress is to propose a clinical and practical approach of dental implant planning, but also how to deal with maxillar bone resorption and decision making for an anterior tooth replacement. Highly skilled worldwide clinicians will be discussing these topics.  
Meanwhile, the world's leading companies will be present in a large trade exhibition. Enlight your practice with implants while visiting Paris "la ville lumière" on July 2014.

### **Pr Frédéric Gaultier, DDS, PhD**

PRESIDENT OF THE OIWC CONGRESS AND WFLD CONGRESS

## EXECUTIVE COMMITTEE

Frédéric GAULTIER  
Sylvain MARESCHI  
Brice SAVARD  
Gérard NAVARRO

## SCIENTIFIC COMMITTEE

Louis MAMAN, France  
Frédéric GAULTIER, France  
Gérard NAVARRO, France  
Brice SAVARD, France  
Sylvain MARESCHI, France  
Marwann DAAS, France  
Christophe RIGNON-BRET, France  
Stéphane MILLIEZ, France  
Myriam DRIDI, France  
Anne Laure EJEIL, France  
Cédric MAUPRIVEZ, France  
P. RENAULT, France

# Welcome Address and Committees



Dear colleagues,

*I am very honoured to invite you participate in the 14<sup>th</sup> WFLD World Congress, which will take place in Paris. In 1990 I participated in the Congress organized by Prof Melcer, one of the pioneers in the use of laser in dentistry.*

*I am very proud to return 24 years later as President of WFLD and am sure that Prof Gaultier, Prof Rocca and Navarro's exceptional team is preparing a great scientific event and presenting many clinical cases for better use of laser in our field.*

*Nowadays WFLD is present on 5 continents, in almost 50 countries with the mission of propagating science with no economic interest. Join a great Congress in a wonderful city.*

**Pr Aldo Brugnera Junior, DDS, MS, PhD**

PRESIDENT OF WFLD



*A long time ago (1990), Prof. Jacques MELCER welcomed the ISLD (today WFLD) 2<sup>nd</sup> meeting in Paris. Twenty four years later, WFLD members are invited to join the WFLD General meeting in the French capital. Since the beginning WFLD is devoted to the development of oral laser treatments. A lot of progresses have been and are still observed. We are all aware of those progresses and WFLD members are proud to play a role in this development.*

*The next WFLD meeting is a great opportunity to continue our efforts, with enthusiasm, to hear are new methodologies and new applications, to support young searchers in the field of clinical studies or basic research and to meet in an amicable atmosphere. Don't forget to join the 14th WFLD meeting. Welcome in Paris.*

**Pr Jean-Paul Rocca, DDS, PhD**

SCIENTIFIC PRESIDENT OF THE WFLD CONGRESS

## EXECUTIVE COMMITTEE

### President WFLD

Aldo BRUGNERA, Brazil

### Elect President WFLD

Carlo FORNAINI, Italy

### Past President WFLD/Headquarter

Jean-Paul ROCCA, France

### Secretary WFLD

Kenji YOSHIDA, Japan

### Treasurer WFLD

Adam STABHOLZ, Israel

### Member WFLD/ Headquarter

Samir NAMOUR, Belgium

### Member WFLD/ Headquarter

Norbert GUTKNECHT, Germany

### Newsletter and Website Editor WFLD

Antoni ESPANA, Spain

### Chairman European Division WFLD

Joseph ARNABAT, Spain

### Chairman South American Division WFLD

Carlos DE PAULO EDUARDO

### Chairman North American Division WFLD

Melissa MARCHESAN, USA

### Chairman Middle Eastern and African Division WFLD

Toni ZEINOUN, Lebanon

### Chairman Asian and Pacific Division WFLD

Ambrose CHAN, Australia

Gérard NAVARRO, France

Brice SAVARD, France

Sylvain MARESCHI, France

Samir NAMOUR, Belgium

Paolo VESCOVI, Italy

Carlo FORNAINI, Italy

Elisabetta MERIGO, Italy

Pierre FARGES, France

Etienne MEDIONI, France

## SCIENTIFIC COMMITTEE

Aldo BRUGNERA, Brazil

Jospeh ARNABAT, Spain

Norbert GUTKNECHT, Germany

Anton SCULEAN, Switzerland

Julia KAMENOVA, Bulgaria

Antoni ESPANA, Spain

Carmen TODEA, Romania

Adam STABHOLZ, Israël

Thierry SELLY, France

Thierry LE COROLLER, France

André CHARTRAND, Canada

Frédéric GAULTIER, France

Gérard NAVARRO, France

Brice SAVARD, France

Sylvain MARESCHI, France

Roeland DE MOOR, Belgium

Umberto ROMEO, Italy

Paolo VESCOVI, Italy

Carlo FORNAINI, Italy

Samir NAMOUR, Belgium

Kenji YOSHIDA, Japan

Toni ZEINOUN, Lebanon

G. ROMANOS, USA

Jean-Paul ROCCA, France

## SCIENTIFIC COMMITTEE

### DENTAL LASER ASSOCIATION

Gérard NAVARRO, France

Brice SAVARD, France

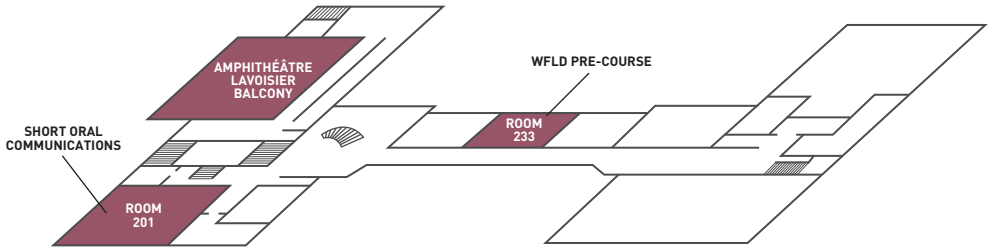
Sylvain MARESCHI, France

Frédéric GAULTIER, France

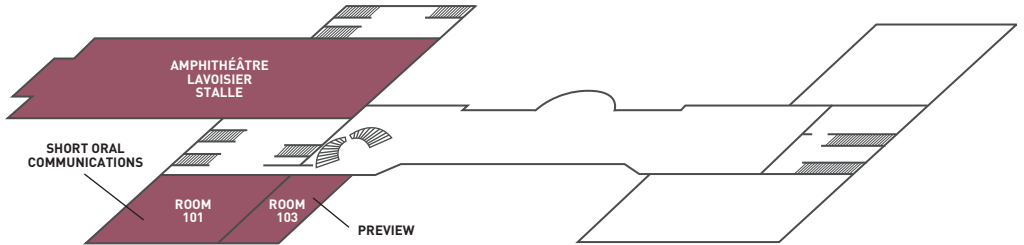
# IMPLANTOLOGY CONGRESS AND WFLD CONGRESS

## Floor plan of the Maison de la Chimie

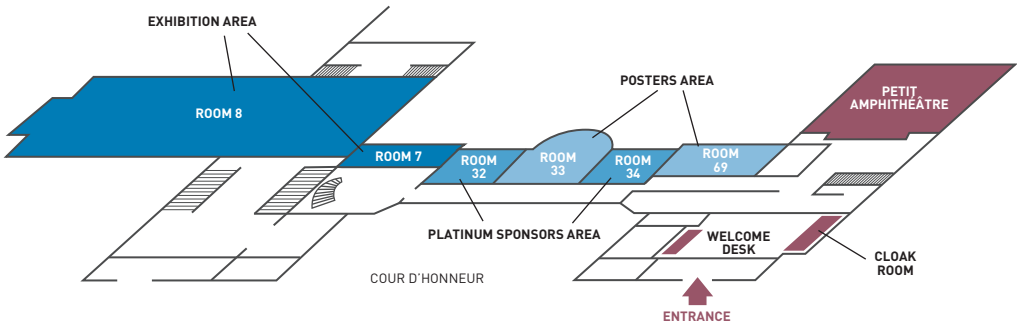
### LEVEL 2



### LEVEL 1

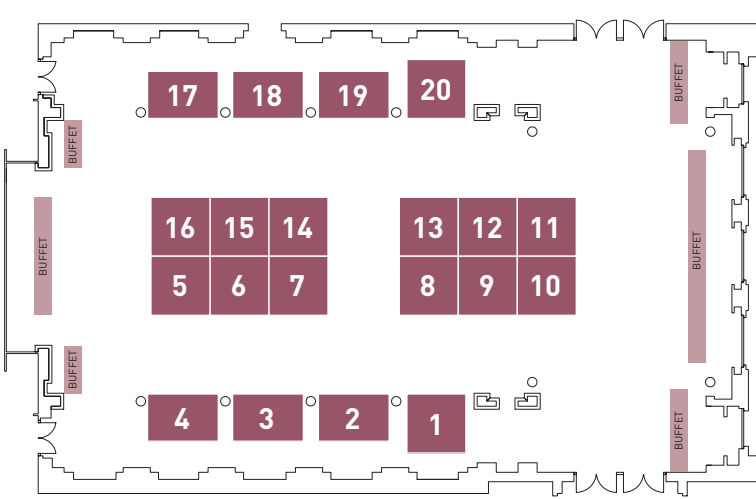


### LEVEL 0



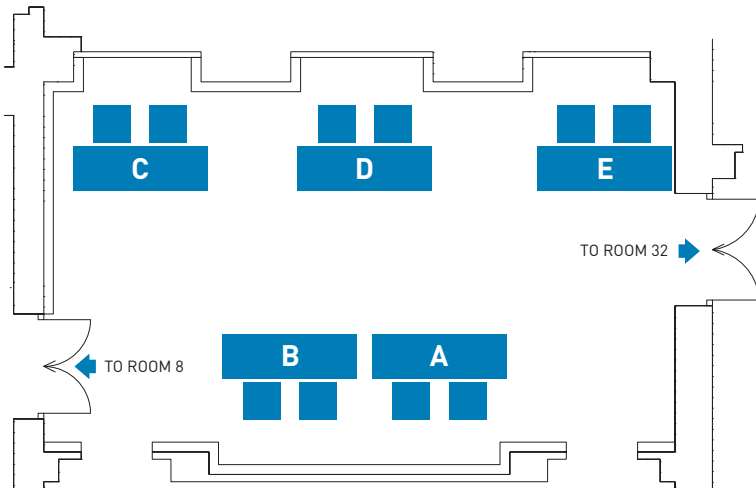
# Exhibition plan

## ROOM 8



- 1** Biolase
- 2** Nobel Biocare
- 3** Lasotronic
- 4** Syneron
- 5** Biomet 3i
- 6** Lobel
- 7/14** Fotona
- 8** Arc Laser
- 9** Erma Electronique
- 10** Drive Implant
- 11** Euroteknica
- 12** Quintessence
- 13** Thor Laser
- 16** Biohorizons
- 17** Sirona
- 18** Millennium Dental Technologies
- 19** B-Cure Laser
- 20** Medident Italia

## ROOM 7



- A** Johnson & Johnson Ethicon
- B** Made in Labs
- C** Medical Production
- D** 3MC Concept
- E** Geistlich

# IMPLANTOLOGY CONGRESS AND WFLD CONGRESS

## General information from A to Z

### ABSTRACTS

All abstracts will be published on the congress websites.

World Federation for Laser Dentistry Congress:  
[www.wfld-paris2014.com](http://www.wfld-paris2014.com)

Oral Implantology World Congress:  
[www.oiw-paris2014.com](http://www.oiw-paris2014.com)

### BADGES

A name badge will be provided with your registration documents on site. For Security and regulation purposes, the wearing of the badge is compulsory at all times inside the Congress venue. Should you lose your badge, please go to the Welcome Desk for assistance.

### BREAKS

Morning and afternoon breaks will be available for all congress attendees in the exhibition area.

<b>Wednesday 2<sup>nd</sup></b>	09:45 - 10:30 and 15:45 - 16:30
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<b>Thursday 3<sup>rd</sup></b>	10:00 - 10:45 and 15:30 - 16:15
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<b>Friday 4<sup>th</sup></b>	10:00 - 10:45 and 15:30 - 16:15
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### CERTIFICATE OF ATTENDANCE

Certificate of attendance will be sent by e-mail to all attendees, after the congress.

### CLOAKROOM

A cloakroom is at your disposal for your personal effects, on a user fee basis of 2 euros per article, per day, and located in front of the welcome desk (hall 28). Please note the opening hours:

<b>Wednesday 2<sup>nd</sup></b>	07:30 - 20:00
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<b>Thursday 3<sup>rd</sup></b>	08:00 - 19:00
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<b>Friday 4<sup>th</sup></b>	08:00 - 19:00
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Please be advised that the organisation is not responsible for any loss or damage of items left in the cloakroom.

### CONGRESS VENUE

The Congresses will be held at the Maison de la Chimie. All congress activities will be organized in one location (except for the congress dinner): a major exhibition, scientific sessions, workshops, posters sessions and breaks.

#### ADDRESS:

28 rue Saint Dominique

75007 Paris - France

Phone : 0033 (0)1 40 62 27 00

#### ACCESS:

The Maison de la Chimie is located near the Invalides and can be easily reached by public transport :

#### Bus:

lines 63, 69, 83, 93 and 94 - stop at Invalides

#### Metro:

lines 8 and 12 - stop at Invalides, line 13 stop at Assemblée Nationale

#### RER:

(french train service between Paris and the suburbs) line C - stop at Invalides

To check the trains and buses schedule and traffic, go to [www.ratp.fr](http://www.ratp.fr)

### CURRENCY

Payments for the congresses will be accepted only in Euros (€) in cash and credit card (Visa and Mastercard).

### EXHIBITION OPENING HOURS

The Exhibition area is located in rooms 7 and 8. The Platinum sponsors exhibit in room 69 (Zimmer) and 32 (Dentsply). The exhibition is open during the following hours:

<b>Wednesday 2<sup>nd</sup></b>	08:00 - 18:30
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<b>Thursday 3<sup>rd</sup></b>	08:00 - 18:30
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<b>Friday 4<sup>th</sup></b>	08:00 - 16:30
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## CONGRESS DINNER

### Welcome aboard !

The congress dinner cruise will take place on Thursday, July 3<sup>rd</sup> on the Seine River. Meeting point is at 19:30 in front of the SAPHIR boat, on 'Port de la Bourdonnais' (At the foot of the Eiffel Tower, pier 4). The boat will leave at 20:15.

You will enjoy the charm of the Seine and Paris by night while having dinner. Return at the pier at 23:00.

Registration for the cruise dinner is compulsory and limited. Fees are 150 € per person. Please note your invitation is required to enter the boat.

## INTERNET

A free wifi access is available for all congresses attendees in the congress venue during the 3 days of the event. Please connect to the network : **wifi\_MC** and enter the password : **6ad2**

## LUNCHES

Lunches will be served on buffets in the exhibition area (room 8).

<b>Wednesday 2<sup>nd</sup></b>	12:30 - 14:00
<b>Thursday 3<sup>rd</sup></b>	12:15- 14:00
<b>Friday 4<sup>th</sup></b>	12:15- 14:00

## OFFICAL LANGUAGE

Official language of the WFLD and OIWC congresses is English. Interpretation will not be provided.

## POSTER AREA AND POSTER SESSION

The poster area is located in the congress venue in rooms 33 and 69. Posters sessions are organized during the coffee breaks on Thursday 3<sup>rd</sup> and Friday 4<sup>th</sup>. You will find the list of the posters at the end of this program.

## SPEAKERS

The speaker preview room is located in room 103 , level 1. It is available for speakers to prepare their sessions. All speakers are kindly requested to hand in their presentation in the Speakers Room ('Preview') minimum 2 hours prior to their oral presentation.

The Speakers Room is open during the following hours:

<b>Tuesday, July 1<sup>st</sup></b>	08:00 -18:00
<b>Wednesday, 2<sup>nd</sup></b>	08:00 -18:00
<b>Thursday, 3<sup>rd</sup></b>	08:00 -18:00
<b>Friday, 4<sup>th</sup></b>	08:00 -18:00

## TELEPHONE

The international access code for Paris/France is **0033**.

We ask all congress delegates to put their mobile phones on silent mode or turn it off during all congresses sessions.

## WELCOME DESK OPENING HOURS

The welcome desk is located in hall 28 and is open at the following hours :

<b>Wednesday 2<sup>nd</sup></b>	07:30 – 19:00
<b>Thursday 3<sup>rd</sup></b>	07:30 – 18:30
<b>Friday 4<sup>th</sup></b>	08:00 – 18:00

You will be able to register on site and collect your access badges.

# CONGRESS OVERVIEW

## Wednesday, July 2<sup>nd</sup>

	PETIT AMPHITHEATRE	ROOM 101	ROOM 233		
08:00					
08:15	<b>WELCOME ORAL IMPLANT WORLD CONGRESS AND OPENING</b>		<b>WELCOME AND VISIT SPONSORS EXHIBITORS</b>		
08:30					
08:45	<b>PLENARY SESSIONS</b>  Chairs: F. GAULTIER (France), C. MAUPRIVEZ (France)	<b>SHORT COMMUNICATIONS</b>	<b>LASERS PHYSICS</b> Biophysical effects of dental lasers <b>R. FRANZEN (Germany)</b>		
09:00			Extraction of a single tooth: immediate or delayed implantation? Criteria of choices <b>S. MILLIEZ (France)</b>	<b>LASER-TISSUES INTERACTION</b> <b>R. KORNBLIT (Italy)</b>	
09:15			Soft and hard tissue management to optimize aesthetic and functional outcomes in modern Implant dentistry <b>J. MOUHYI (Morocco)</b>	<b>LASER IN ENDODONTICS</b> <b>A. STABHOLZ (Israel)</b>	
09:30				<b>COFFE BREAK</b> VISIT SPONSORS EXHIBITORS	
09:45			Hard and soft tissue management for single tooth implant rehabilitation in the aesthetic zone <b>F. AMATO (Italy)</b>	<b>LLLT DENTISTRY</b> <b>A. BRUGNERA (Brazil)</b>	
10:00				<b>LASER IN SOFT ORAL TISSUES SURGERY</b> <b>S. NAMOUR (Belgium)</b>	
10:15			Managing extraction sockets in the aesthetic zone with immediate or delayed loading <b>E. ROMPEN (Belgium)</b>	<b>LASER IN ORTHODONTICS</b> <b>C. FORNAINI (Italy)</b>	
10:30				<b>LASER IN PERIODONTOLOGY</b> <b>N. GUTKNECHT (Germany)</b>	
10:45					
11:00					
11:15					
11:30					
11:45					
12:00					
12:15					
12:30					
12:45					
13:00					
13:15	<b>LUNCH</b>		<b>LUNCH</b>		
13:30					
13:45					
14:00					
14:15	<b>PLENARY SESSIONS</b>  Chairs: F. GAULTIER (France), N. COHEN (France)	<b>SHORT COMMUNICATIONS</b>	<b>LASER AND SAFETY</b> <b>K. YOSHIDA (Japan)</b>		
14:30			My First Esthetic Implant Case - why, how, & when? <b>M. STEIGMANN (Germany)</b>	<b>LASER AND IMPLANTS</b> <b>J. ARNABAT (Spain)</b>	
14:45			The reference key points for treatment planning in complete edentulous implant rehabilitation <b>F. ROJAS VIZCAYA (Spain)</b>	<b>LASER AND BONE SURGERY</b> <b>P. VESCOVI (Italy)</b>	
15:00				<b>LASER AND PROSTHETICS</b> <b>C. DE PAULA EDUARDO (Brazil)</b>	
15:15			<b>COFFE BREAK</b> VISIT SPONSORS EXHIBITORS	<b>LASER IN RESTORATIVE DENTISTRY</b> <b>A. CHAN (Austria)</b>	
15:30				<b>EXAMINATION PRECOURSE</b>	
15:45			Surgical management of the upper and lower atrophic maxilla <b>M. JABBOUR (France)</b>	<b>WFLD PRECOURSE</b> Chair: ROCCA France	<b>COUNTRY &amp; ORGANIZATION REPRESENTATIVES MEETING (WFLD)</b>
16:00					
16:15					
16:30					
16:45					
17:00					
17:15					
17:30					
17:45					
18:00					
18:15	<b>WFLD CONGRESS OPENING CEREMONY</b> F. Gaultier, J.P. Rocca, A. Brugnera				
18:30					
18:45	<b>WELCOME COCKTAIL</b>				
19:00					

# Thursday, July 3<sup>rd</sup>

AMPHITHEATRE LAVOISIER		PETIT AMPHITHEATRE		ROOMS 101-201	
				08:00	
WELCOME AND VISIT SPONSORS EXHIBITORS				08:15	
				08:30	
<b>PLENARY SESSIONS</b> Chairs : NAMOUR (Belgium), GASPIRC (Slovenia)	New approach of phototherapy in Dentistry <b>A. BRUGNERA (Brazil)</b>	<b>PLENARY SESSIONS</b> Chairs : ROCCA (France), FORNAINI (Italy)	Photodynamic diagnosis and therapy in oral cancer <b>K. YOSHIDA (Japan)</b>	<b>SHORT COMMUNICATIONS</b>	08:45
	Laser use in Implantology <b>N. BERNA (Italy)</b>		The Use of Lasers in Prosthodontics <b>A. USUMEZ (Turkey)</b>		09:00
	Peri-implant soft tissue management : an hybrid solution. Bio-active shield and co2 laser. Optimization of prosthetic emergence profile <b>R. FROMENTAL (France)</b>		Minimally invasive dentistry with lasers <b>S. BENEDECENTI (Italy)</b>		09:15
					09:30
	COFFE BREAK VISIT SPONSORS EXHIBITORS POSTERS SESSIONS		COFFE BREAK VISIT SPONSORS EXHIBITORS POSTERS SESSIONS	09:45	
				10:00	
	Use of Er:YAG laser on oral hard tissues. State of the art <b>D. HEYSSELAER (Belgium)</b>		Cranial nerves trauma & laser-assisted regeneration <b>L. LONGO (Italy)</b>	<b>SHORT COMMUNICATIONS</b>	10:15
Laser and Peri-implantitis <b>H. DEPPE (Germany)</b>	Photodynamic action for the treatment and diagnostic of oral diseases <b>V. S. BAGNATO (Brazil)</b>	10:30			
		10:45			
Laser in smile design and perioral aesthetics <b>TOSUN TOSUN (Turkey)</b>	Laser tissue welding, alternative to sutures in surgery <b>E. RASCA (France)</b>	11:00			
LUNCH				11:15	
				11:30	
				11:45	
				12:00	
				12:15	
				12:30	
				12:45	
				13:00	
				13:15	
				13:30	
				13:45	
				14:00	
<b>PLENARY SESSIONS</b> Chairs : GUTKNECHT (Germany), ZEINDOUN (Lebanon)	Photodynamic therapy in the treatment of periodontal and peri-implant infections <b>A. SCULEAN (Switzerland)</b>	<b>PLENARY SESSIONS</b> Chairs : PRBRUGNERA (Brazil), VESCOVI (Italy)	The scientific and clinical rationale for the use of Er,Cr:YSGG lasers in periodontal treatment <b>R. AL-FALAKI (UK)</b>	<b>SHORT COMMUNICATIONS</b>	14:15
	Er,Cr:YSGG: Surgical Benefits in Soft Tissue Regeneration <b>A. CHARTRAND (Canada)</b>		Laser phototherapy and tissue regeneration <b>M. MARQUES (Brazil)</b>		14:30
	Peri-implantitis: An increasing threat to oral health. Is laser one part of the salvation? <b>P. FAHLSTEDT (Sweden)</b>		Advantages in using Er:YAG laser in cases of Endodontic Retreatment <b>A. STABHOLZ (Israel)</b>		14:45
	COFFE BREAK VISIT SPONSORS EXHIBITORS POSTERS SESSIONS		COFFE BREAK VISIT SPONSORS EXHIBITORS POSTERS SESSIONS	15:00	
				15:15	
				15:30	
	Non-surgical and surgical periodontal therapy using laser and its basis and clinical outcome <b>H. WATANABE (Japan)</b>		Mechanism of action and dosimetry overview for successful LLLT <b>J. CARROLL (UK)</b>	<b>SHORT COMMUNICATIONS</b>	15:45
The use of erbium yttrium aluminium garnet (2940 NM) in a laser assisted implant therapy <b>A. REYHANIAN (Israel)</b>	Laser photocoagulation of oral vascular malformations <b>U. ROMEO (Italy)</b>	16:00			
Lasers in Oral Surgery <b>M. BORNSTEIN (Switzerland)</b>	The Applications of Light Photo Therapy (LPT) in daily dental practice <b>A. DEL VECCHIO (Italy)</b>	16:15			
Lasers in Endodontics: where are we going? <b>M. MARCHESAN (USA)</b>	Lasers in Aesthetics. An EBD approach <b>D. STRAKAS (Greece)</b>	16:30			
				16:45	
				17:00	
				17:15	
				17:30	
				17:45	
				18:00	
				18:15	
				18:30	
				18:45	
				19:00	

# CONGRESS OVERVIEW

## Friday, July 4<sup>th</sup>

	AMPHITHEATRE LAVOISIER	PETIT AMPHITHEATRE	ROOMS 101-201	
08:00				
08:15	<b>WELCOME AND VISIT SPONSORS EXHIBITORS</b>			
08:30				
08:45	<b>PLENARY SESSIONS</b> ARNABAT (Spain), STABHOLZ (Israel)	Laser changes dentistry and patient's experience. Examples <b>C. de PAULA EDOUARDO (Brazil)</b>	<b>SHORT COMMUNICATIONS</b>	
09:00		The power of the bubble. Comparing ultrasonic and laser activated irrigation <b>R. DE MOOR (Belgium)</b>		
09:15		Photodynamic therapy for decontamination of different implant surfaces <b>J. MAROTTI (Brazil)</b>		
09:30		<b>COFFEE BREAK VISIT SPONSORS EXHIBITORS POSTERS SESSIONS</b>		
09:45		Dental implants in patients receiving bisphosphonates: the risk of jaw osteonecrosis and the role of the laser <b>P. VESCOVI (Italy)</b>	<b>SHORT COMMUNICATIONS</b>	
10:00		Er:YAG Laser in Periodontics and Implant Therapy From Basic Studies to Clinical Applications <b>A. AOKI (Japan)</b>		
10:15		Novel laser techniques for oral soft tissue surgery <b>S SATTAYUT (Thailand)</b>		
10:30		<b>COFFEE BREAK VISIT SPONSORS EXHIBITORS POSTERS SESSIONS</b>		
10:45				
11:00				
11:15				
11:30				
11:45				
12:00				
12:15				
12:30	<b>LUNCH</b>			
12:45				
13:00				
13:15				
13:30				
13:45				
14:00				
14:15	<b>PLENARY SESSIONS</b> SOUEDAN (France), YOSHIDA (Japan)	Lasers in Conservative Dentistry <b>K. YOSHIKAWA (Japan)</b>	<b>SHORT COMMUNICATIONS</b>	
14:30		Periodontitis and Peri-implantitis. Bone Regeneration <b>R. A. YUKNA (USA)</b>		
14:45		Laser as a tool in oral surgery <b>G. LOPEZ CASTRO (Spain)</b>		
15:00		<b>COFFEE BREAK VISIT SPONSORS EXHIBITORS POSTERS SESSIONS</b>		
15:15		Lasercision: An effective and minimally invasive corticotomy procedure to improve orthodontic tooth movement and accelerate orthodontic adult treatments <b>B. SAVARD (France)</b>	<b>SHORT COMMUNICATIONS</b>	
15:30		The new age of periodontics. Perio laser applications <b>A. ARAGUES (Spain)</b>		
15:45		Laser-assisted tissues destruction in oral pathology <b>A. CASSIA (Lebanon)</b>		
16:00		<b>COFFEE BREAK VISIT SPONSORS EXHIBITORS POSTERS SESSIONS</b>		
16:15				
16:30				
16:45				
17:00				
17:15				
17:30				
17:45				
18:00	<b>PRESIDENT SPEECH END, GATEWAY TO JAPAN</b>			
18:15	<b>GENERAL ASSEMBLY OF THE WFLD</b>			
18:30	<b>AMPHITHEATRE LAVOISIER</b>			
18:45				
19:00				



**CONGRESS  
PROGRAM**

## IMPLANTOLOGY CONGRESS PROGRAM

# Wednesday, July 2<sup>nd</sup>

08:00-08:30 Welcome Oral Implant world congress and Opening

### 08:30-10:00 MORNING PLENARY SESSIONS

#### PETIT AMPHITHEATRE

Chairs: Frédérick Gaultier (*France*) and Cédric Mauprivez (*France*)

08:30-09:00 **Extraction of a single tooth: immediate or delayed implantation? Criteria of choices.**

Stéphane Milliez (*France*)

09:00-09:45 **Soft and hard tissue management to optimize aesthetic and functional outcomes in modern Implant dentistry.**

Jaafar Mouhyi (*Morocco*)

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### 08:30-10:00 SHORT COMMUNICATIONS – SESSION IMPLANTOLOGY 1 ROOM 101

Chairs: Florian Bouaziz (*France*)

08:30-08:45 **Managing the implant in the esthetic zone: Socket preservation, immediate implant placement, GBR.**

Nicolas Frydman

08:45-09:00 **PEEK /  $\beta$  – TCP / TiO<sub>2</sub> composite: a smart biocompatible composite.**

Cyril Sedarat

09:00-09:15 **Case report: Surgical reintervention three months after sinus membrane perforation.**

Marc Baranes

09:15-09:45 **Technique to Obtain a Predictable Aesthetic Result through Appropriate Placement of the Prosthesis / Soft Tissue Junction in the Edentulous Patient with a Gingival Smile.**

Demurashvili Georgy

09:45-10:30 Coffe break

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### 10:30-12:30 MORNING PLENARY SESSIONS

#### PETIT AMPHITHEATRE

Chairs: Frédérick Gaultier (*France*) and Cédric Mauprivez (*France*)

10:30-11:30 **Hard and soft tissue management for single tooth implant rehabilitation in the aesthetic zone.**

Francesco Amato (*Italy*)

11:30-12:30 **Managing extraction sockets in the aesthetic zone with immediate or delayed loading.**

Eric Rompen (*Belgium*)

## IMPLANTOLOGY CONGRESS PROGRAM

# Wednesday, July 2<sup>nd</sup>

- 10:30-12:30** **SHORT COMMUNICATIONS – SESSION IMPLANTOLOGY 2**  
**ROOM 101**  
Chairs: H  l  ne Arnal (*France*)
- 10:30-10:45** **Dental autotransplantation is still relevant? A case report of 5 years clinical follow.**  
Laurent Dotzen
- 11:45-11:00** **Split-crest technique.**  
H  l  ne Meurisse
- 11:00-11:15** **Peri-implantitis: a new disease.**  
Curd Bollen
- 11:15-11:30** **Sinus floor elevation by two techniques: piezosurgery and rotary instrument.**  
Alice Guyon
- 11:30-11:45** **Assessment of Primary Stability for Two Implant Designs.**  
Bassem Hmiedan
- 11:45-12:00** **Computerized occlusal analysis in periodontitis and periimplantitis.**  
Nicolas Cohen
- 12:00-12:15** **Laser supported treatment strategies in patients with peri-implant infections.**  
Frank Liebaug
- 12:30-14:00** Lunch
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## 14:00-15:45 AFTERNOON PLENARY SESSIONS

### PETIT AMPHITHEATRE

Chairs: Fr  d  rick Gaultier (*France*) and Nicolas Cohen (*France*)

- 14:00-14:45** **My First Esthetic Implant Case-why, how, & when?**  
Marius Steigmann (*Germany*)
- 14:45-15:45** **The reference key points for treatment planning in complete edentulous implant rehabilitation.**  
Fernando Rojas Vizcaya (*Spain*)
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## 14:00-15:45 SHORT COMMUNICATIONS – SESSION IMPLANTOLOGY 3

### ROOM 101

Chairs: Marc Baranes (*France*)

- 14:00-14:30** **Trabecular metal implant placed into fresh extraction socket with immediate loading for a single tooth.**  
Cristian Peron
- 14:30-14:45** **Treatment outcome following use of the Er,Cr:YSGG laser in the non surgical management of peri-implantitis: a retrospective pilot study.**  
Mark Crownshaw

## IMPLANTOLOGY CONGRESS PROGRAM

# Wednesday, July 2<sup>nd</sup>

- 14:45-15:00**    **The value of the new scanner hand piece of fotona lightwalker ER:YAG laser in implant surgery.**  
Ingmar Ingenegeren
- 15:00-15:15**    **Extraction-Immediate implant placement in esthetic region: a case report.**  
Yona Israel
- 15:15-15:30**    **History of Implantology.**  
Xavier Riaud
- 15:45-16:30**    Coffee break
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### **16:30-18:00**    AFTERNOON PLENARY SESSIONS

#### **PETIT AMPHITHEATRE**

Chairs: Frédérick Gaultier (*France*) and Nicolas Cohen (*France*)

- 16:30-17:15**    **Surgical management of the upper and lower atrophic maxilla.**  
Michel Jabbour (*France*)
- 17:15-18:00**    **Complete edentulous rehabilitation: an aesthetic dilemma?**  
Marwann Daas, Karim Dada (*France*)
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## LASER CERTIFICATION

# Wednesday, July 2<sup>nd</sup>

**08:00-08:30** Welcome and visit sponsors and exhibitors

### **08:30-12:30** MORNING SESSIONS

#### **ROOM 233**

Chair: Aldo Brugnera (*Brazil*)

**08:30-09:00** **LASERS PHYSICS**

René Franzen (*Germany*)

**09:00-09:30** **LASER-TISSUES INTERACTION**

Roly Kornblit (*Italy*)

**09:30-10:00** **LASER IN ENDODONTICS**

Adam Stabholz (*Israel*)

**10:00-10:30** Coffe break + visit sponsors exhibitors

**10:30-11:00** **LLLT IN DENTISTRY**

Aldo Brugnera (*Brazil*)

**11:00-11:30** **LASER IN SOFT ORAL TISSUES SURGERY**

Samir NAMOUR (*Belgium*)

**11:30-12:00** **LASER IN ORTHODONTICS**

Carlo Fornaini (*Italy*)

**12:00-12:30** **LASER IN PERIODONTOLOGY**

Norbert Gutknecht (*Germany*)

**12:30-14:00** Lunch

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### **14:00-16:30** AFTERNOON SESSIONS

#### **ROOM 233**

**14:00-14:30** **LASER AND SAFETY**

Kenji Yoshida (*Japan*)

**14:30-15:00** **LASER AND IMPLANTS**

Joseph Arnabat (*Spain*)

**15:00-15:30** **LASER AND BONE SURGERY**

Paolo Vescovi (*Italy*)

**15:30-16:00** **LASER AND PROSTHETICS**

Carlo De Paula Eduardo (*Brazil*)

**16:00-16:30** **LASER IN RESTORATIVE DENTISTRY**

Ambrose Chan (*Australia*)

**16:30-17:00** EXAMINATION Precourse

**18:00-18:45** **WFLD Congress Opening Ceremony**

08:00-08:30 Welcome and visit sponsors exhibitors

08:30-10:00 **MORNING PLENARY SESSIONS**

**AMPHITHEATRE LAVOISIER**

Chairs: Samir Namour (*Belgium*) and Boris Gaspirc (*Slovenia*)

08:30-09:00 **New approach of phototherapy in Dentistry.**

Aldo Brugnera (*Brazil*)

09:00-09:30 **Laser Erbium in Implantology.**

Norberto Berna (*Italy*)

09:30-10:00 **Peri-implant soft tissue management: an hybrid solution. Bio-active shield and CO2 laser optimization of prosthetic emergence profile.**

Robert Fromental (*France*)

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08:30-10:00 **MORNING PLENARY SESSIONS**

**PETIT AMPHITHEATRE**

Chairs: Jean-Paul Rocca (*France*) and Carlo Fornaini (*Italy*)

08:30-09:00 **Photodynamic diagnosis in oral cancer.**

Kenji Yoshida (*Japan*)

09:00-09:30 **The Use of Lasers Nd, Er, CO2 in Prosthodontics.**

Aslihan Usumez (*Turkey*)

09:30-10:00 **Minimally invasive dentistry with lasers.**

Stefano Benedicenti (*Italy*)

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08:30-10:00 **SHORT COMMUNICATIONS – SESSION Endodontics 1**  
**ROOM 101**

Chair: Elisabetta Merigo (*Italy*)

08:45-09:00 **In vitro investigation on the influence of various lasing parameters on the cleaning efficacy of Laser-Activated Irrigation.**

Maarten Meire

09:00-09:15 **Dental pulp regeneration promoted by stem cell homing an laser phototherapy.**

Stella Moreira

09:15-09:30 **An 18 Year Successful Laser Endodontic Study With a Comparison to Traditional Endodontic Studies.**

Ronald Porth

09:30-10:00 **Laser endodontics, PDT, LAI, PIPS: where are the limits?**

Giovanni Olivi

- 08:30-10:00**    **SHORT COMMUNICATIONS – SESSION Periodontology 1**  
**ROOM 201**  
Chair: Hisashi Watanabe (*Japan*)
- 08:30-08:45**    **The effectiveness of using Er,Cr:YSGG lasers as an adjunct to root surface instrumentation in the management of Chronic Periodontitis: A retrospective study.**  
Rana Al-Falaki
- 09:00-09:15**    **Effect of varying pulse duration of Er:YAG laser on microstructure of titanium implant surface. An in vitro study by Scanning Electron Microscopy observation.**  
Kenneth Luk
- 09:15-09:30**    **Immunohistochemical and histomorphometric analysis of the early phase of wound healing following low intensity level ER: YAG laser assisted pocked debridement.**  
Ana Minovska
- 09:30-09:45**    **Bactericidal effect of fluorescent nanoparticles against planktonic Porphyromonas gingivalis in vitro.**  
Pavel Polenik
- 09:45-10:00**    **Comparing Fibroblast Attachment in Root Surface Scaling With Er,Cr:YSGG Laser Versus Ultrasonic Scaler: A SEM Study.**  
Gholam Ali Gholami
- 10:00-10:45**    Coffe break + visit sponsors exhibitors + posters sessions  
Posters session 1: Endodontics - **ROOM 33**  
Posters session 2: Periodontology - **ROOM 69**
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- 10:45-12:15**    **MORNING PLENARY SESSIONS**  
**AMPHITHEATRE LAVOISIER**  
Chairs: Samir Namour (*Belgium*) and Boris Gaspirc (*Slovenia*)
- 10:45-11:15**    **Use of Er/YAG laser on oral hard tissues. State of the art.**  
Daniel Heyselaer (*Belgium*)
- 11:15-11:45**    **Laser and Peri-implantitis.**  
Herbert Deppe (*Germany*)
- 11:45-12:15**    **Laser in smile design and perioral aesthetics.**  
Tosun Tosun (*Turkey*)

**10:45-12:15 MORNING PLENARY SESSIONS**

**PETIT AMPHITHEATRE**

Chairs: Jean-Paul Rocca (*France*) and Carlo Fornaini (*Italy*)

**10:45-11:15 CRANIAL NERVES TRAUMA & LASER-ASSISTED REGENERATION.**

Leonardo Longo (*Italy*)

**11:15-11:45 Photodynamic action for the treatment and diagnostic of oral diseases.**

Vanderlei Salvador Bagnato (*Brazil*)

**11:45-12:15 Laser tissue welding, alternative to sutures in surgery.**

Emilia Rasca (*France*)

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**10:45-12:15 SHORT COMMUNICATIONS – SESSION Laser and bone surgery**

**ROOM 101**

Chair: Antoine Cassia (*Lebanon*)

**10:45-11:15 Laser-assisted management of Bisphosphonates-Related Osteonecrosis of the Jaw (BRONJ)s in 247 patients: ten years experience of the University of Parma.**

Elisabetta Merigo

**11:30-11:45 Diode Laser Uses in Clinical Cases.**

Hadi Geha

**11:45-12:00 Effects of Low-level-laser Therapy and Corticotherapy after Third Molar surgery: A clinical trial.**

Sioud Sameh

**12:00-12:15 The use of Er:YAG and Low Level Diode Lasers in the prevention and treatment of Bisphosphonate Related Osteonecrosis of the Jaws.**

Mauro Capocci

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**10:45-12:15 SHORT COMMUNICATIONS – SESSION Low Power Laser 1**

**ROOM 201**

Chair: Dimitris Strakas (*Greece*)

**10:45-11:00 Pain management in endodontic with Low Power Laser.**

Valentin Preve

**11:00-11:15 Low-Level Laser Therapy of TMJ pain.A randomized clinical study.**

Aude Fauchon

## WFLD CONGRESS PROGRAM

# Thursday, July 3<sup>rd</sup>

- 11:30-11:45**    **The evaluation of bone augmentation following 808nm laser irradiation.**  
Darinca Carmen Todea
- 11:45-12:00**    **Laser therapy at home post oral surgery.**  
Leonardo Longo
- 12:00-12:15**    **Laser doppler pulp vitality evaluation after different tooth bleaching procedures.**  
Bogdan Vitez
- 12:15-14:00**    Lunch
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### 14:00-15:30    AFTERNOON PLENARY SESSIONS

#### AMPHITHEATRE LAVOISIER

Chairs: Norbert Gutknecht (*Germany*) and Toni Zeinoun (*Lebanon*)

- 14:00-14:30**    **Photodynamic therapy in the treatment of periodontal and peri-implant infections.**  
Anton Sculean (*Switzerland*)
- 14:30-15:00**    **Er,Cr:YSGG: Surgical Benefits in Tissue Regeneration.**  
André Chartrand (*Canada*)
- 15:00-15:30**    **Peri-implantitis: An increasing threat to oral health. Is laser one part of the salvation?**  
Peter Fahlstedt (*Sweden*)
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### 14:00-15:30    AFTERNOON PLENARY SESSIONS

#### PETIT AMPHITHEATRE

Chairs: Aldo Brugnera (*Brazil*) and Paolo Vescovi (*Italy*)

- 14:00-14:30**    **The scientific and clinical rationale for the use of Er,Cr:YSGG lasers in periodontal treatment.**  
Rana Al-Falaki (*United-Kingdom*)
- 14:30 -15:00**    **Laser phototherapy and tissue regeneration.**  
Marcia Marques (*Brazil*)
- 15:00-15:30**    **Advantages in using Er:YAG laser in cases of Endodontic Retreatment.**  
Adam Stabholz (*Israel*)

## WFLD CONGRESS PROGRAM

# Thursday, July 3<sup>rd</sup>

- 14:00-15:30** **SHORT COMMUNICATIONS – SESSION Oral Surgery 1**  
**ROOM 101**  
Chair: Tosun Tosun (*Turkey*)
- 14:00-14:15** **The Light and Tissues Interaction: The outline of Optical Biopsy and Non-invasive methods in diagnosis of Oral Squamous Cell Carcinoma – Literature Review.**  
Omar Esam
- 14:15-14:30** **The advantages of carbon dioxide laser applications in paediatric oral surgery.**  
Hanna Reem
- 14:30-14:45** **Soft tissue Laser application in oral surgery-aesthetical aspects.**  
Gaspar Lajos
- 14:45-15:00** **Clinical case of using Er:YAG laser to incise ankyloglossia.**  
Takayuki Nagase
- 15:00-15:15** **Multi-wavelength diode laser (1): an “ex-vivo” study.**  
Jean-Paul Rocca
- 15:15-15:30** **Multi-wavelength diode laser (2): clinical observations.**  
Carlo Fornaini
- 
- 14:00-15:15** **SHORT COMMUNICATIONS – SESSION Restorative dentistry 1**  
**ROOM 201**  
Chair: Carmen Todea (*Romania*)
- 14:00-14:30** **Low-level laser therapy improves proliferation and odonto/osteodifferentiation of dental pulp stem cells vehicled in BMP-4 loaded hydrogels.**  
Ivana Marcia Alves Diniz
- 14:30-14:45** **In Situ Study of Dental Enamel Submmited to Er,Cr: YSGG Laser Irradiation Associated to Fluoridated Products Application.**  
Claudia Zamataro
- 14:45-15:00** **Current state of the art about low and high power lasers in the treatment of dentin hypersensitivity.**  
Ana Cecilia Aranha
- 15:00-15:15** **Microroughness evaluation of enamel surface after laser- activated bleaching.**  
Hanieh Nokhbatolfoghahaei
- 15:15 - 15:30** **Laser utilization, in combination of other different high technology devices (QMR and piezosurgery) in special needs dentistry**  
Aldo Oppici
- 15:30-16:15** Coffe break ; Visit sponsors exhibitors ; Posters sessions  
Posters session group 3: Low-Power Laser - **ROOM 33**  
Posters session group 4: Laser-Tissue Interaction - **ROOM 69**

**16:15-18:15 AFTERNOON PLENARY SESSIONS**

**AMPHITHEATRE LAVOISIER**

Chairs: Norbert Gutknecht (*Germany*) and Toni Zeinoun (*Lebanon*)

**16:15-16:45 Non-surgical and surgical periodontal therapy using laser and its basis and clinical outcome.**

Hisashi Watanabe (*Japan*)

**16:45-17:15 The use of erbium yttrium aluminium garnet (2940 NM) in a laser assisted implant therapy.**

Avi Reyhanian (*Israel*)

**17:15-17:45 Lasers in Oral Surgery**

Michael Bornstein (*Switzerland*)

**17:45-18:15 Lasers in Endodontics: where are we going?**

Melissa Marchesan (*USA*)

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**16:15-18:15 AFTERNOON PLENARY SESSIONS**

**PETIT AMPHITHEATRE**

Chairs: Aldo Brugnera (*Brazil*) and Paolo Vescovi (*Italy*)

**16:15-16:45 Mechanism of action and dosimetry overview for successful LLLT.**

James Carroll (*England*)

**16:45-17:15 Laser photocoagulation of oral vascular malformations.**

Umberto Romeo (*Italy*)

**17:15-17:45 The Applications of Light Photo Therapy (LPT) in daily dental practice.**

Alessandro Del Vecchio (*Italy*)

**17:45-18:15 Lasers in Aesthetics. An Evidence Based Dentistry approach.**

Dimitris Strakas (*Greece*)

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**16:15-18:15 SHORT COMMUNICATIONS – SESSION Laser-Tissues Interaction 1 ROOM 101**

Chair: René Franzen (*Germany*)

**16:15-16:30 The effect of CO2 laser with TiF4 and NaF varnish on enamel hardness (in vitro study).**

Maryam Serajzadeh

**16:30-16:45 Histological evaluation of periincisional margins of laser biopsies. In vivo study.**

Claudia Russo

**16:45-17:00 Clinical study of periodontal tissues regeneration: complementarity of laser and nutritional treatments.**

Bernard Kurdyk

## WFLD CONGRESS PROGRAM

# Thursday, July 3<sup>rd</sup>

**17:00-17:15**    **The use of optical coherence tomography and fluorescence imaging system to diagnose and monitor the effects of Nd:Yag laser on dentin wear.**  
Denise Maria Zzell

**17:15-17:30**    **Pain and Health-Related Quality of Life (HRQoL) after 118 oral surgical interventions: the advantages of the Nd:YAG laser.**  
Ilaria Giovannacci

**17:30-17:45**    **Diods laser in orthodontics: interets and limits.**  
François-Joseph Nappée

**17:45-18:00**    **Effects of 4W power 1950nm diode laser on oral hard and soft tissues: a preliminary “ex vivo” study.**  
Barbara Dallari

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### **16:15-18:15**    **SHORT COMMUNICATIONS – Miscellaneous** **ROOM 201**

Chair: Georgi Tomov (*Bulgaria*)

**16:15-16:45**    **Acceleration of Canine movement by laser assisted flapless corticotomy (an innovative approach in orthodontics).**  
Maha Algazali

**16:45-17:00**    **Effects of CO2 and Nd:YAP laser on the hardness of lithiumdisilicate and zirconia dental ceramics.**  
Ahmed El Gamal

**17:00-17:15**    **Marketing of Dental lasers and Laser based Education: A dual perspective.**  
Imneet Madan

**17:15-17:30**    **The power of scientific knowledge and strategic business planning for laser dentists.**  
Anna-Maria Yiannikos

**17:30-17:45**    **Effect of Er:YAG Laser on Different Resin Cements During Ceramic Debonding.**  
Önjen Tak

**20:30-23:00**    **Congress Dinner on the Seine river**



## WFLD CONGRESS PROGRAM

# Friday, July 4<sup>th</sup>

**08:00-08:30** Welcome and visit sponsors exhibitors

### **08:30-10:00** MORNING PLENARY SESSIONS

#### **AMPHITHEATRE LAVOISIER**

Chairs: Joseph Arnabat (*Spain*) and Adam Stabholz (*Israel*)

**08:30-09:00** **Lasers Application in different internal conditioning of different ceramics.**  
Carlos de Paula Edouardo (*Brazil*)

**09:00-09:30** **The power of the bubble. Comparing ultrasonic and laser activated irrigation.**  
Roeland De Moor (*Belgium*)

**09:30-10:00** **Photodynamic therapy for decontamination of different implant surfaces.**  
Juliana Marotti (*Brazil*)

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### **08:30-10:00** MORNING PLENARY SESSIONS

#### **PETIT AMPHITHEATRE**

Chairs: Antoni Espana (*Spain*) and Roly Kornblit (*Italy*)

**08:30-09:00** **Laser changes dentistry and patient's experience. Examples.**  
Ambrose Chan (*Australia*)

**09:00-09:30** **Low Level Laser Therapy (LLLT) How? When? Where? Why?**  
Elisabetta Merigo (*Italy*)

**09:30-10:00** **Lasers in Periodontology**  
Ilay Maden (*Turkey*)

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### **08:30-10:00** SHORT COMMUNICATIONS – SESSION Oral surgery 2 ROOM 101

Chair: Sajee Sattayut (*Thailand*)

**08:30-08:45** **Surgical Diode Laser in Dentistry.**  
Javier Higuera

**08:45-09:00** **Efficacy of low-level laser therapy in the management of pain, facial swelling and postoperative trismus after impacted lower third molar extraction.**  
José Leonardo Caraballo Zabala

**09:00-09:15** **Two different approaches in the treatment of oral vascular tumors with diode laser.**  
Sami El-Toum

**09:15-09:30** **Process reliable and low risk aesthetic crown lengthening by laser.**  
Peter Kleemann

# Friday, July 4<sup>th</sup>

- 09:30-09:45** **Effect of LLLT on the post-extractive socket healing in rats treated with zoledronic acid and dexamethasone: a pilot study.**  
Giovanni Mergoni
- 09:45-10:00** **The laser tissue welding as an alternative to sutures in oral surgery.**  
Emilia Rasca
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- 08:30-10:00** **SHORT COMMUNICATIONS – SESSION Restorative dentistry 2**  
**ROOM 201**  
Chair: Stefano Benedicenti (*Italy*)
- 08:45-09:00** **The evaluation of thermal changes of pulp after photo-activated disinfection by two different photosensitizers.**  
Maryam Johari
- 09:00-09:15** **Comparative study of the shear bond strength of Flowable composite in permanent teeth treated with conventional Bur and contact and non-contact Er;YAG Laser.**  
Parisa Parhami
- 09:15-09:30** **An innovative pulse duration by Er:YAG laser at 2940nm, enhances the results of conservative dentistry!**  
Achillefs Efthimiou
- 09:30- 09:45** **Clinical treatment of dental hypersensitivity by means of diode laser (980 nm).**  
Anthony De Dycker
- 09:45-10:00** **Effect of Diode and Nd:YAG Laser on Treatment of Dentin Hypersensitivity Compared to Bonding Agent.**  
Seyedghazaleh Hashemi
- 10:00-10h45** Coffe break + visit sponsors exhibitors + posters sessions  
Posters session group 5: Laser and Bone Surgery, Laser and Prosthetics, Laser and safety, Pedodontic – **ROOM 33**  
Posters session group 6: Oral Surgery – **ROOM 69**

## Friday, July 4<sup>th</sup>

### 10:45-12:15 MORNING PLENARY SESSIONS

#### AMPHITHEATRE LAVOISIER

Chairs: Joseph Arnabat (*Spain*) and Adam Stabholz (*Israel*)

10:45-11:15 **Dental implants in patients receiving bisphosphonates: the risk of jaw osteonecrosis and the role of the laser.**

Paolo Vescovi (*Italy*)

11:15-11:45 **Er:YAG Laser in Periodontics and Implant Therapy-From Basic Studies to Clinical Applications.**

Akira Aoki (*Japan*)

11:45-12:15 **Novel laser techniques for oral soft tissue surgery.**

Sajee Sattayut (*Thailand*)

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### 10:45-12:15 MORNING PLENARY SESSIONS

#### PETIT AMPHITHEATRE

Chairs: Antoni Espana (*Spain*) and Roly Kornblit (*Italy*)

10:45-11:15 **Laser assisted eradication of endodontics biofilms.**

Ivona Bago Juric (*Croatia*)

11:15-11:45 **Photo-elimination (PDT&PTT) of bacteria in Oral and Maxillofacial diseases.**

Reza Fekrazad (*Iran*)

11:45-12:15 **Laser and oral healing.**

Jamila Lahmouzi (*Morocco*)

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### 10:45-12:15 SHORT COMMUNICATIONS – SESSION Periodontology 2

#### ROOM 101

Chair: Umberto Romeo (*Italy*)

10:45-11:00 **Treatment of infrabony defects using Er,Cr:YSGG lasers as an adjunct to root surface instrumentation: a retrospective clinical and radiographical analysis.**

Rana Al-Falaki

11:00-11:15 **Root debridement of Er:YAG laser with the dental endoscope procedure. Case report.**

Tsukui Akira

11:15-11:30 **Effects of Er,Cr:YSGG and Diode 940nm laser on root surface: Morphological and Thermal Analysis.**

Borna Rashidisangsary

11:30-11:45 **One year clinical results after Er:YAG treatment of chronic periodontitis.**

Yaneva Blagovesta

11:45-12:15 **Effect of repeated episodes of aPDT on the experimental periodontitis in rats subjected to chemotherapy with 5-FU.**

Leticia Theodoro

## WFLD CONGRESS PROGRAM

# Friday, July 4<sup>th</sup>

- 10:45-12:15** **SHORT COMMUNICATIONS – SESSION Endodontics 2**  
**ROOM 201**  
Chair: Shigeyuki Nagai (*Japan*)
- 10:45-11:00** **MicroCT investigation of Er:YAG root canal debridement.**  
Darinca Carmen Todea
- 11:00-11:15** **Pressure generated outside the apical foramen during root canal irrigation activated by diode laser.**  
Satoshi Watanabe
- 11:15-11:30** **Evaluation of different PDT protocols to interrupt an artificial endodontic biofilm, an ex vivo study.**  
Omid H Muhammad
- 11:30-11:45** **In vitro effectiveness of ER:YAG laser irradiation on the endotoxin inactivation.**  
Georgi Tomov
- 11:45-12:00** **Effect of Laser Activated Irrigation on biofilms in artificial root canals.**  
Stefanie De Meyer
- 12:00-12:15** **Laser assisted Pediatric Endodontics: Conventional v/s laser assisted root canal treatments in primary teeth- An in vivo study.**  
Imneet Madan
- 12:15-14:00** Lunch
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- 14:00-15:30** **AFTERNOON PLENARY SESSIONS**  
**AMPHITHEATRE LAVOISIER**  
Chairs: S. Souedan (*France*) and Kenji Yoshida (*Japan*)
- 14:00-14:30** **Lasers in Conservative Dentistry**  
Kazushi Yoshikawa (*Japan*)
- 14:30-15:00** **Periodontitis and Peri-implantitis. Bone Regeneration.**  
Raymond A. Yukna (*USA*)
- 15:00-15:30** **Laser as a tool in oral surgery.**  
Gonzalo Lopez de Castro (*Spain*)

## Friday, July 4<sup>th</sup>

### 14:00-15:30 AFTERNOON PLENARY SESSIONS

#### PETIT AMPHITHEATRE

Chairs: Loh (*Singapore*) and Carlos de Paula Edouardo (*Brazil*)

14:00-14:30 **The use of diffuse laser photonic energy and inocyanine green photosensitizer as an adjunct to periodontal therapy.**

Steven Parker (*England*)

14:30-15:00 **A combined endodontical Laser Supported Treatment concept.**

Norbert Gutknecht (*Germany*)

15:00-15:30 **The use of CO2 laser in the treatment of Granulomatous Cheilitis Syndrom.**

Toni Zeinoun (*Lebanon*)

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### 14:00-15:30 SHORT COMMUNICATIONS – SESSION Laser-tissues interaction 2 ROOM 101

Chair: Reza Fekrazad (*Iran*)

14:00-14:30 **Micro-structure of permanent enamel treated with an Er-YAG laser-Raman and IR reflection spectroscopic study.**

Galia Zhegova

14:45-15:00 **Quantum depigmentation of melanin gingival stain, without tissue removing with 810nm diode laser.**

Ismael Pinto

15:00-15:15 **Effects of 1064 nm, 500 ps, diode-pumped solid state laser on oral hard and soft tissues: a preliminary “ex vivo” study.**

Tamara Simonazzi

15:15-15:30 **Gingiva Melanin Depigmentation Histological and Clinical Animal and Human Study Using Er:YAG Laser by 24 Different Power Settings.**

Yasser Stas

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### 14:00-15:30 SHORT COMMUNICATIONS – SESSION Low Power Laser 2 ROOM 201

Chair: Leonardo Longo

14:00-14:15 **Photodynamic Therapy in the treatment of recurrent herpes labialis. Cases Report.**

Karen Muller Ramalho

14:15-14:30 **Laser and oral healing.**

Jamila Lahmouzi

14:30-14:45 **Recurrent aphthous stomatitis and pain management with low-level laser therapy: a randomized controlled trial.**

Lennart Hedström

Friday, July 4<sup>th</sup>

**15:00-15:15 Diode Laser Treatment of different vascular tongue lesions.**  
Ali Saafan

**15:15-15:30 Use of lasers in treatment of oral lichen planus.**  
Verica Pavlic

**15:30-16:15** Coffe break + visit sponsors exhibitors + posters sessions  
Posters session group 7: Orthodontics ; Restaurative Dentistry – **ROOM 33**  
Posters session group 8: Restaurative Dentistry – **ROOM 33**

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**16:15-18:15 AFTERNOON PLENARY SESSIONS**

**AMPHITHEATRE LAVOISIER**

Chairs: S. Souedan (*France*) and Kenji Yoshida (*Japan*)

**Lasercision: An effective and minimally invasive corticotomy procedure to improve orthodontic tooth movement and accelerate orthodontic adult treatments.**  
Brice SAVARD (*France*)

**The new age of periodontics. Perio laser applications.**  
Alfredo ARAGUES (*Spain*)

**Laser-assisted tissues destruction in oral pathology.**  
Antoine CASSIA (*Lebanon*)

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**16:15-18:15 AFTERNOON PLENARY SESSIONS**

**PETIT AMPHITHEATRE**

Chairs: Loh (*Singapore*) and Carlos de Paula Edouardo (*Brazil*)

**Snoreplasty – a new method of laser treatment of snoring.**  
David Dovsak (*Slovenia*)

**Combination of early diagnosis and micro-invasive Er-YAG technique.**  
Nathalie Brulat Bouchard (*France*)

**Oral Pigmentation: Laser Treatment and Clinical Cases.**  
Jihad Habli (*Lebanon*)

## WFLD CONGRESS PROGRAM

Friday, July 4<sup>th</sup>

- 16:15-18:00**    **SHORT COMMUNICATIONS – SESSION Endodontics 3**  
**ROOM 101**  
Chair: Jean-Paul Rocca (*France*)
- 16:15-16:30**    **Photodynamic therapy in root canals artificially infected with enterococcus faecalis ; an ex vivo study.**  
Yolanda Salapata
- 16:30-16:45**    **The Comparison of Penetration Depth of Tolonium Chloride and Indocyanine Green Photosensitizers in Root Canals with and without Smear Layer: An in vitro study.**  
Emad Kosarieh
- 16:45-17:00**    **Positive pressure, passive ultrasonic and laser activated irrigations on removal of the smear-layer, biofilm from the root canal surface. With clinical case.**  
Sharonit Sahar-Helft
- 17:00-17:15**    **Treatment of Dentinal Hypersensitivity by means of Nd:YAP Laser: A Preliminary in Vitro Study.**  
Amaury Namour
- 17:15-17:30**    **Measurement of pressure changes during laser-activated irrigant by an erbium, chromium: yttrium, scandium, gallium, garnet laser.**  
Harry Huiz Peeters
- 17:30-17:45**    **Temperature increase during endodontic treatments by means of Diode lasers (810 nm).**  
Mohamed Hadeiba
- 17:45-18:00**    **Comparing thermal effects of two wavelengths in root canal treatment.**  
Ayse Sena Kabaş Sarp
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- 16:15-17:15**    **SHORT COMMUNICATIONS – Periodontology 3**  
**ROOM 201**  
Chair: Daniel Heyselaer (*Belgium*)
- 16:15-16:30**    **Periodontal probing using Optical Coherence Tomography: a non-invasive approach.**  
Claudia Mota
- 16:30-16:45**    **Evaluation of Nd:YAG laser for root surface modification in treatment gingival recession using subepithelial connective tissue graft and coronally advanced flap.**  
Mehrnaz Sadighi
- 16:45-17:00**    **Evaluation of Fibroblast Attachment in Root Conditioning With Er,Cr:YSGG Laser versus EDTA: A SEM Study.**  
Katayoun AM Kalhori
- 17:45-18:00**    **President Speech end, Gateway to Japan**

# Meetings

📅 Wednesday, July 2<sup>nd</sup>

**17:15-18:00**

Country & organization representatives meeting (WFLD)

**ROOM 233**

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📅 Thursday, July 3<sup>rd</sup>

**12:30-13:45**

General assembly of all WFLD divisions

**ROOM 101**

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📅 Friday, July 4<sup>th</sup>

**12:30-13:45**

General assembly of each WFLD divisions

**ROOMS 101 & 201**

**18:00 - 19:00**

General Assembly of the WFLD

**AMPHITHEATRE LAVOISIER**



# Exhibitors and Sponsors

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## Posters (classified by themes)

### ENDODONTICS

Poster session Group 1: Thursday, July 3<sup>rd</sup> in room 33 at 10:00-10:45

**Evaluation of CEM cement as a retrofilling biomaterial in root-end cavities prepared by Er,Cr:YSGG laser and Ultrasonic.**

Marziyeh AGHAZADEH

**Evaluation of laser photobiomodulation ( $\lambda$  780 nm) on repair of dental replantation in rats.**

Fabiola CARVALHO

**Observation of resected apical surfaces of human premolars by swept-source optical coherence tomography.**

Arata EBIHARA

**Microleakage and temperature rise of obturated root canals after disinfection with Nd:YAG laser, PDT and NaOCL and EDTA.**

Tzvetelina GUEORGIEVA

**Detection of the second mesiobuccal canal of maxillary molars by swept-source optical coherence tomography-Comparison between inexperienced and experienced dentists.**

Yoshiko LINO

**Apical Extrusion of Root Canal Irrigants during Root Canal Irrigation Activated by Diode Laser.**

Kazuhiisa SATAKE

**Er:YAG Laser-activated Irrigation for Lateral Canals.**

Kanako YAO

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### IMPLANTOLOGY

No poster session scheduled. Exhibition posters in room 69

**Provisional prosthesis for a one tooth edentulous.**

Layla ASSILA

**Evaluation of biocompatibility of photodynamic therapy in rat calvarial defects. A pilot study.**

Carlos DE PAULA EDUARDO

**To Be Failed Or Not To Be.**

Cevlan ERTUGRUL

**In Vivo Effect Of Biodegradable Membrane In Immediate Implant Placement In the Esthetic Zone On Bone And Soft Tissue Profile.**

Mustafa KHALLAF

**Fortuitous discovery of an aspergillosis within the preimplant evaluation.**

Méryl MACCOTTA

**ORCA Overdenture Retained by Clip and Attachment.**

Nilo Guliberto MARTINS CHÁVARRY

### **Peri-Implantitis – And They Lived Happily Ever After.**

Lise SLACK

### **Immediate implant placement combined with titanium granules.**

Helmut G. STEVELING

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## **LASER AND BONE SURGERY**

Poster session Group 5: Friday, July 4<sup>th</sup> in room 33 at 10:00-10:45

### **Surgical excision of mandibularis torus with Erbium Cromium laser.**

Jean GROLLERON

### **Evaluation of laser photobiomodulation effects in peri-implantar bone repair through biomechanical test and X-Ray fluorescence: study in dogs.**

Alexandrino SANTOS NETO

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## **LASER AND PROSTHETICS**

Poster session Group 5: Friday, July 4<sup>th</sup> in room 33 at 10:00-10:45

### **Microleakage of a resin cement after disinfection pretreatments: Effects of laser irradiation and chemical antibacterial agents.**

Fereshteh SHAFIEI

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## **LASER AND SAFETY**

Poster session Group 5: Friday, July 4<sup>th</sup> in room 33 at 10:00-10:45

### **Assessment of blinding success among laser clinical trials.**

Jafar KOLAH

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## **LASER-TISSUES INTERACTION**

Poster session Group 4: Thursday, July 3<sup>rd</sup> in room 69 at 15:30-16:15

### **Evaluation of the biomodulation of the peri implant bone, using diagnodent in patients undergoing low intensity laser therapy. In vivo study.**

Luiz BISPO

### **Effects of 4W power 1950nm diode laser on oral hard and soft tissues: a preliminary “ex vivo” study.**

Barbara DALLARI

## Posters (classified by themes)

**Relationship between the degree of dental enamel mineralization and the optical attenuation coefficient.**

Anderson FREITAS

**Femtosecond laser ablation of enamel and the application of acoustic emission as a monitoring method for laser treatment of dental caries.**

Quang Tri LE

**Benefits of Lasertherapy in trigeminal neuralgia. Series of clinical cases.**

Alexandrino SANTOS NETO

**Laser Bleaching**

Nassim NABAVINEJAD

**New Applications of Optical Fluorescence.**

Sebastião PRATAVIEIRA

**Methodology Development for Optical Characterization of Vascular Lesions.**

Lucia Regina TEIXEIRA

**Repeated CO2 laser applications enhances the inhibition of primary enamel demineralization.**

Bruna Raquel ZANCOPE

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## LOW POWER LASER

Poster session Group 3: Thursday, July 3<sup>rd</sup> in room 33 at 15:30-16:15

**Infrared Lasertherapy Effectiveness Evaluation In Temporomandibular Disorders Using Electromyography – A Preliminary Study.**

Luciane AZEVEDO

**Thermographic Monitoring Of Wound Healing In Patients Treated With Laser (Apdt) After The Third Impacted Mandibular Molar Removal.**

Goran BATINJAN

**Increase Of Calmodulin Concentration In Parotid Glands Of Diabetic Animals.**

Juliana CASTRO

**III<sup>t</sup> Reduced Inflammation In Diabetic Salivary Glands Through Nfkb Signaling Pathway.**

Cintia Yuki FUKUOKA

**Evaluation Of Photodynamic Effects Of Curcumin In Microorganisms Of Caries.**

Marleny GERBI

**Influence Of Sodium Alendronate And Zoledronic Acid Associated Or Not To Laser Phototherapy On The Viability And Proliferation Of Cultured Fibroblasts And Osteoblasts.**

Maria Da Graça NACLÉRIO-HOMEM

**Co2 Laser Irradiation And Fluoride Enhances Caf2 Uptake And Inhibits Lesion Progression Of Demineralized Dental Enamel – In Vitro Study.**

Marines NOBRE DOS SANTOS

**Low intensity laser as an alternative treatment for oral ulcers associated with Therapy in Organ Transplantation (TOR) inhibitors**

Denise Maria ZECELL

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## ORAL SURGERY

Poster session Group 6: Friday, July 4<sup>th</sup> in room 69 at 10:00-10:45

**The use of Nd:YAG laser for the treatment of vascular anomalies: 50mpatients case-series of the University of Parma.**

Michele CHIUSANO

**Evaluation of using digitally controlled handpiece of ER:YAG laser for surgical treatment of leukoplakia.**

Dragana GABRIĆ PANDURIĆ

**Laser-assisted surgical treatment of excessive gingival display using lip repositioning technique as an alternative to orthognathic surgery.**

Petra LIBERT

**Effectiveness evaluation of combined erbium and diode laser application among patient suffered from periapical lesion.**

Roman PIYAMOV

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## ORTHODONTICS

Poster session Group 7: Friday, July 4<sup>th</sup> in room 33 at 15:30-16:15

**LLLT Periodontology in Orthodontic Treatment.**

Attilia PETRINI

**Effect of CO2 laser and fluoride dentifrice on demineralization around orthodontic brackets:an in situ study.**

Livia RODRIGUES

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## PEDODONTIC

Poster session Group 5: Friday, July 4<sup>th</sup> in room 33 at 10:00-10:45

**The use of Laser in Different Field of Paediatric Dentistry: Two Cases Reports.**

Ülkü ŞERMET ELBAY

## Posters (classified by themes)

### PERIODONTOLOGY

Poster session Group 2: Thursday, July 3<sup>rd</sup> in room 69 at 10:00-10:45

**Er:Yag laser in treatment of sialolithiasis of wharton's duct**

Boris GASPIRC

**Effectiveness of adjuvant probiotic and aPDT on the treatment of experimental periodontitis in rats immunosuppressed**

Valdir GOUVEIA GARCIA

**Changes in energy output and surface morphology of quartz tips following Er:YAG laser contact irradiation.**

Taichen LIN

**Effect of aPDT on the furcation bone loss in rats subjected to chemotherapy.**

Mariéllen LONGO

**Increased cell proliferation and differential protein expression induced by low-level Er:YAG laser irradiation in human gingival fibroblasts: proteomic analysis.**

Mayumi OGITA

**Efficiency evaluation of photodynamic therapy in the treatment of peri-implantitis.**

**Randomized controlled clinical trial. Pilot study.**

Dragana RAKASEVIC

**Efficacy of Erythrosine and Anthocyanin mediated Photodynamic Therapy on Porphyromonas Gingivalis Biofilms using green light.**

Surada TANTANANUGOOL

**The influence of oxygen in blue LED irradiation with Rose Bengal on the growth of Porphyromonas gingivalis.**

Ayano UEKUBO

## RESTAURATIVE DENTISTRY

Poster session Group 7: Friday, July 4<sup>th</sup> in room 33 at 15:30-16:15

**Effect of Er,Cr:YSGG laser at pre-sintered zirconium oxide compared to different surface treatments on microshear bond strength.**

Alessandra CASSONI

**Comparative study of the shear bond strength of dentin prepared with bur and Er,Cr:YSGG laser.**

Rodrigo PALLAS

**Three stage study of psychological effects and pain or discomfort felt by patients, by the use of the max mode of the Fotona Fidelis Er: YAG laser in Class I fissure preparations.**

Efstratios TZANNOU

**Effects of Diode Laser on Direct Pulp Capping Treatment:A pilot study**

Iraj YAZDANFAR, Norbert Gutknecht, Rene Franzen

Poster session Group 8: Friday, July 4<sup>th</sup> in room 33 at 15:30-16:15

**Laser-assisted treatment of cervical resorption-case series.**

Ani BELCHEVA

**Evaluation of enamel surfaces irradiated with Er:YAG or Nd:YAG laser by FT-Raman spectroscopy.**

Nasim CHINIFORUSH

**Evaluation of the influence of Nd:YAG and Er:YAG treatment of cervical hypersensitivity on the microtensile resistance in resin-dentin interface.**

Claudia MOTA

**Analysis of the progression of dentine erosion after Nd:YAG laser irradiation and/or fluoride treatment.**

Samira Helena JOÃO-SOUZA

**Influence of cavity preparation with ER,CR:YSGG-Laser and restorative materials on in situ secondary caries development.**

Jose RODRIGUES

**Photo Activated Intracoronal Dental Bleaching: Case Report.**

Fatima ZANIN







