

Platelet Concentrates, Stem Cells & L-PRF Today

1st European Meeting on Enhanced Natural Healing in Dentistry: L-PRF

KU LEUVEN

Organized by the Department of Periodontology
Catholic University of Leuven, Belgium

Demanet
Dohan Ehrenfest
Lambrichts
Pinto
Quirynen
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Temmerman
Yilmaz

Scientific & Clinical Evidence:
Step by Step Approach

October 14-16th, 2016
Leuven, Belgium

Enhanced Natural Healing in Dentistry

Platelet Concentrates, Stem Cells & L-PRF Today

Scientific & Clinical Evidence: Step by Step Approach

M. Demanet
D. Dohan Ehrenfest
I. Lambrichts
N. Pinto
M. Quirynen
Y. Spaey
A. Temmerman
S. Yilmaz

Favorable wound healing has always been a major quest in dental surgery. It is a concern in healthy as well as compromised patients. In an effort to improve and accelerate healing of both hard and soft tissues, substitutes including growth factors and bio-materials have been traditionally employed. Membranes were also introduced to separate tissues.

Recent research clearly indicates that **L-PRF** (Leukocyte -Platelet Rich Fibrin, a second generation of platelet concentrates) significantly enhances wound healing in both soft and hard tissues. Evidence now supports the assertion that this has the potential to replace the above mentioned substitutes in many situations.

Clinical procedures benefit from recent advancements with platelet concentrate protocols including, but not limited to: soft tissue healing, plastic periodontal surgery, gingiva enlargement, MRONJ, regeneration of infra-bony defects, ridge preservation, sinus augmentation, immediate implant placement and implant osseointegration itself. An added benefit is that these platelet concentrate protocols offer significantly lower cost treatment solutions to our patients, due to the fact of their ease of use and inexpensive preparation.



Our basic knowledge of the biologic mechanisms of both soft and hard tissue healing has increased exponentially in recent years. Advancements in autologous platelet concentrate protocols, profoundly impact the way we treat patients today.

Thanks to these advancements we can now introduce a new level of treatment options to our daily practice...from periodontal procedures to regeneration of bone defects and even implant osseointegration itself.

Scientific research and clinical based case evidence will be presented, by leaders in the field, in this first of its kind three day meeting on natural healing in dentistry.



Guest Speakers

Dr. Mic Demanet



Dr. Mic Demanet received his training as a periodontist at KU Leuven in the mid 1980's as part of a team of pioneers doing research on the clinical application of osseointegrated implants. After his studies in Leuven, he had advanced training on new treatment techniques in renowned centers all over the

world focusing on reconstructive periodontal surgery. Since 2004 he is part of a tandem team with Roel Leroy, who specializes on immediate Prosthodontics after oral implant surgery. This unique collaboration of surgeon and prosthodontist has initiated new and promising treatment options. Since 2005 they both lecture and organize courses in Belgium and the Netherlands focusing on new treatment techniques and protocols in the field of implantology. In this context, they are one of the first teams who utilize the L-PRF technique systematically in their treatments.

Prof. Dr. Ivo Lambrichts



Professor Ivo Lambrichts is currently a full professor of Microscopic Anatomy at the Faculty of Medicine, University of Hasselt, Belgium. He contributes to stem cell research, to oral biology and oral imaging research and is involved in tissue banking, tissue reconstruction and regeneration.

He contributed to more than 110 A1 publications and is a panel member (Med8 and Clinical research) of the Fund for Scientific Research Flanders (FWO).

Prof. David M. Dohan Ehrenfest



Professor David M. Dohan is a Visiting Research Professor at the Department of Oral & Maxillofacial Surgery, University of Michigan Health System (Ann Arbor, MI, USA). He is the author of more than 200 articles (national and international) in the fields of periodontology & implant dentistry.

David is also the co-Editor-in-chief of the International POSEIDO Journal (www.poseido.info). His centers of interest are the various applications of platelet concentrates (PRF/PRP), and the development of new implant surfaces, designs and biomaterials.

Prof. Dr. Nelson R. Pinto



Professor Nelson R. Pinto graduated at the School of Periodontics and Implant Dentistry, Faculty of Dentistry, University of the Andes, Santiago, Chile. He is Visiting Professor of the Department of Oral Health Sciences / Periodontology University Hospitals, Catholic University Leuven, Belgium. He is

Chairman of Research Center for Regenerative Medicine and Tissue Engineering in Concepcion, Chile. He is leading expert in L-PRF, soft and hard tissue regeneration and wound healing.

Prof. Dr. Marc Quirynen



Professor M. Quirynen graduated in 1980 as dentist at the Catholic University of Leuven and finished in 1984 his training in periodontology at the department of Periodontology (Catholic University Leuven). In 1986 he presented his PhD at the same university. In 1990 he was appointed professor

at the Faculty of Medicine of the Catholic University of Leuven to teach periodontology and anatomy. His research deals mainly with oral microbiology (with special attention to the influence of surface characteristics on bacterial adhesion and the effect of antiseptics), oral malodor, simplification & optimization of periodontal therapy including implant surgery. He published over 300 full papers in international peer-reviewed journals. Marc is a member of the editorial board of the Journal of Clinical Periodontology (associate editor), Clinical Oral implants Research, Journal of Dental Research, Periodontal Practice Today & Parodontologie.

Dr. Yannick JE Spaey



Dr. Yannick Spaey graduated as Medical Doctor in 1999 from the university of Leuven where he also received his dental degree. In 2006 Dr. Spaey received his degree of Maxillofacial Surgery after 4 years of training at both Sint-Jan Hospital in Bruges and at the University of Leuven. After a short internship

in the AKH Hospital of Vienna under Prof Ewers, he became a staff member of the Maria Hospital in Overpelt, Belgium in October 2006. His main interests in the maxillofacial field are intravenous sedation techniques, orthognatic surgery, skin tumors and (complex) implantology. Dr. Spaey is the author and co-author of 2 articles on orthognatic surgery in the Journal of Cranio-Maxillo-Facial Surgery and lectures nationally and internationally on intravenous sedation and implant surgery. Since 2014 he is staff member at UZ Leuven for IV sedation in OMFS.

Dr. Andy Temmerman



Dr. Andy Temmerman graduated as a dentist in 2007 (UGent) and as periodontologist in 2010 (KU-Leuven). From 2010 he is a clinical and scientific consultant at the Department of Periodontology KU Leuven. He is also finalizing his PhD entitled "impaired bone quality & quantity and osseointegration:

evaluation of treatment strategies". In 2015, Dr. Temmerman won the "Dentsply Implant Research Award" for best oral presentation. In the same year, he also won the award for best surgical related presentation of the EAO. He publishes frequently in international peer reviewed journals and works in the ParoPlus dental Clinics in Aalst and Brussels as a periodontologist.

Prof. Dr. Selçuk Yılmaz



Professor Selçuk Yılmaz graduated from Istanbul University, Faculty of Dentistry. He received his MSc degree in Periodontology from Bristol University, Bristol Dental School, his Dr. Med. Dent. degree from Istanbul University and PhD degree from Bristol University, Bristol Dental School. He became

Associate Professor in 1979 and Professor in 1984. Prof. Yılmaz worked in a multitude of academic and administrative positions and has several national and international publications and scientific awards. His research interests are mainly probiotics, sinus procedures, periodontal plastic surgery, and regenerative periodontal treatment.

Enhanced Natural Healing in Dentistry

PROGRAMME

Friday October 14th: Workshop

**15.00-16.30: Surgical Interventions:
Video Presentations.**

N. Pinto, D. Dohan, S. Yilmaz & A. Temmerman

**17.00-19.00: Hands-on: Preparation L-PRF
& Ridge Preservation.**

N. Pinto, D. Dohan & A. Temmerman

Saturday October 15th: Lectures

**09.00 - 10.30: Preparation and characteristics
of "Platelet Concentrates".**

D. Dohan & I. Lambrichts

**11.00 - 12.30: Enhanced natural healing
(extra & intra-orally).**

N. Pinto, Y. Spaey & A. Temmerman

**13.30 - 15.00: Benefits of L-PRF
in periodontology.**

D. Dohan, M. Demanet & A. Temmerman

**15.30 - 17.00: Benefits of L-PRF in
implant dentistry.**

N. Pinto & M. Quirynen

**17.30 - 19.00: Oral presentation of
best abstracts.**

Jury: D. Dohan, N. Pinto & I. Lambrichts

19.30: Meet the speakers during a walking diner

Sunday October 16th: Workshop

(same as the one on Friday):

**09.00 - 10.30: Surgical interventions:
video presentations.**

N. Pinto, D. Dohan, S. Yilmaz & A. Temmerman

**11.00 - 12.30: Hands-on: preparation L-PRF
& ridge preservation.**

N. Pinto, D. Dohan & A. Temmerman

CONGRESS VENUES

The workshops are organised in the dental school, University Hospital St Raphael, Kapucijnenvoer 33, 3000 Leuven; you have to take the entrance of the St Pieter Hospital, and we will pick you up there.

The conferences will be given at the Pieter De Somer Auditorium, address:
Charles Deberiotstraat 24, 3000 Leuven.

ACCOMMODATION



**Railway station, Auditoria,
walking diner, workshop are
at walking distance from
Leuven town hall.**

*In case you need a hotel reservation,
please look to the following possibilities:*

Pentahotel Leuven, Alfons Smetsplein 7, Leuven:
<http://pentahotel-leuven.h-rez.com>

Ibis Leuven Centrum, Brusselsestraat 52, Leuven:
<http://www.ibis.com>

**Martin's Klooster Hotel, Onze Lieve
Vrouwstraat 18, Leuven:**
<http://www.martinshotels.com/en/hotel/kloosterhotel>

*All suggested hotels are walking distance of the
Dental School and Pieter de Somer Auditorium.*

REGISTRATION RATES

	Students*	Normal
Conference: October 15.....	90.00 €	245.00 €
Workshop: October 14	145.00 €	145.00 €
Workshop: October 16	145.00 €	145.00 €
Conference Walking	80.00 €	80.00 €
Dinner "Meet the Speakers"		

The workshops on 14/10 and 16/10 are identical. These workshops include video presentations of surgical interventions and a hands-on session. Places are limited to 70 persons per workshop!

(Principle; First registered & paid, first served.)

Haven't registered yet?

Don't wait! Visit our website and register online : www.enhd2016.be/registration

Payment by Credit Card, Bank Transfer or Invoice possible.

** You are eligible for the student fee if you are a Master student or a PhD-student in the academic year 2016-2017. A certificate of enrolment or a letter signed by your supervisor needs to be provided by e-mail (enhd2016@kuleuven.be)*



ABSTRACT SUBMISSION

We welcome abstracts related to the topic of "Enhanced Natural Healing". Please note following important dates:

- **Deadline submissions:** Sept. 15, 2016
- **Acceptance date:** Sept. 9, 2016
- **Confirmation oral presentation before:** Oct. 3, 2016

Most promising abstracts can be selected for an oral presentation if you have indicated in the abstract tool that you would like to. You will be informed about the decision before October 3rd. The abstracts will be published in the Poseido Journal with your permission (to be specified during submission).

The remaining abstracts can be presented during the breaks as posters on special panels (poster format width = 90 cm; height = 150 cm)

Please visit our website www.enhd2016.be to submit your abstract online.



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