

Milano Biofilm Meeting 2015

Implantables and Infection Control: a Promising Future?

Biofilms and Bacteria, Host and Nutrition, Biomaterials and Implants

19th - 21st June 2015

"The Hub Hotel"
Via Privata Polonia 10 - Milan - Italy

Chairmen: L. Drago - C. L. Romanò

Honorary President: E. Meani

The most recent advances in fighting bacteria living in biofilms and in conferring antibacterial and antibiofilm properties to implanted biomaterials, the latest in reducing host's risk factors, with a specific focus on nutritional factors, will be presented and discussed by some of the leading experts in the field.

We are happy to welcome all participants and guests in the old and modern Milano, with its charming and elegant flavor still enriched by EXPO 2015, the worldwide exposition, hosted again in the economical and financial capital of Italy, after more than a century...

We look forward to seeing you in Milano!

Lorenzo Drago - Enzo Meani - Carlo L. Romanò

The Conference is being accredited by Health Ministry and Eucomed
Categories:

Orthopaedic Surgeon, Microbiologist, Odontologist, Biologist, Healthcare Assistant, Nurses, Laboratory Technician, Orthopaedic, Virologist, Biologist, Surgeon's Assistant, Infectious Disease Specialist, Traumatology, General Surgery, Physiotherapist, Radiology

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The event was partially funded by the European Union Seventh Framework Programme FP7/2007-2013 under the IDAC project (grant agreement n° HEALTH-F3-2011-277988)

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Iundusi Riccardo (Italy)	Zerbi Alberto (Italy)
Jahoda David (Czech Republic)	Zottola Enzo (Italy)

PROGRAMME

Friday 19th June 2015 **SIMULTANEOUS TRANSLATION FROM ENGLISH TO ITALIAN!**

13.30

Presentations

Welcome and Introduction

G. Banfi - E. Bottinelli - E. Meani - L. Drago - C. L. Romanò

13.40

Session 1

Biofilms and Implant-Related Infections: the Basics

C. L. Romanò - H. Winkler

What a clinician should know about biofilm-related infections

C. Wagner

What we can learn from animal models

A. Lovati - C. L. Romanò - L. Drago

Social and economical impacts

K. Malizos

Medico-legal aspects in orthopaedics and trauma

M. Mariconda

Discussion

J. N. Argenson

14.30

Heraeus workshop

“Host matters!” Improving high risk patient management

H. Bösebeck - C. L. Romanò - A. Soriano

Host matters! The high risk patient and the role of infection risk factors

C. L. Romanò

Forty years of standard antibiotic prophylaxis: should we go a step forward?

A. Soriano

Antibiotic loaded bone cements: choosing the right one!

H. Bösebeck

Questions & Answers

15.30

Session 2

Diagnosing Biofilm-Related Infections

L. Drago - A. Trampuz - R. Mattina

New and old serological findings in implant-related infections: should we trust them ?

A. Soriano

Radiology and implant-related infections: tips and tricks

A. Zerbi

Imaging: is there a role for bone scan and PET scan ?

M. Gallazzi

Combined Diagnostic Tool: a possible APProach

C.L. Romanò

Discussion

K. Kirketerp - Moeller

16.30

Zimmer coffee workshop

New frontiers in peri-prosthetic joint infection diagnosis: Synovasure PJI

C. L. Romanò

Biomarkers today: the new frontier

L.Drago

Challenging diagnosis

A.Baldini

Synovasure® PJI clinical applications

G.Riccio

Zimmer Infection Management: what's next?

M. Ferrando

Questions & Answers

17.30

Session 3

Microbiological Diagnosis of Biofilm-Related Infections

M. Clementi - P. Clerici

Microbiological diagnosis: the limits of current technologies

R. Townsend

Sonication: pros and cons. Why not yet in every hospital ?

M. Clauss

Microbiological practice: a survey of ISOC orthopaedic centers of excellence

L. Drago

Microbiological diagnostic protocol for prosthetic joint and fracture fixation devices infections from the Italian Association of Clinical Microbiologists (AMCLI)

I. Caola - F. Tassarolo - L. Drago

Microcalorimetry: from research to clinical application

A. Trampuz

Implants that feel bacteria: we are not so far

D. Jahoda

Discussion

R. Townsend

18.30

4i aperitive workshop

"MicroDTTect" Samples Transport and Processing System

L. Drago - S. Giannini

New evolution in collecting and processing microbiological samples

E. De Vecchi

Technical aspects of MicroDTTect

M. Pierro

The Policlinico San Donato experience

F. Randelli

The G. Pini Institute experience

G. M. Calori

The Rizzoli experience

M. Cadossi

Questions & Answers

20.30

GALA DINNER

08.00

Session 4

Implant-Related Infections: Prevention Strategies

G. Morace - R. Capanna - R. Weinstein

Antibiotics and biofilms

A. Soriano

Antifungals and biofilms

E. Borghi

Antibiotic-loaded bone cement: what I like and what I don't

F. Randelli

Cerament G as a prophylaxis for high risk patients and exposed fractures

U. Tarantino - E. Gasbarra - R. Iundusi

Antibiotic-PLLA coating in traumatology: research and clinical applications

M. Berlusconi

Implant coatings: rationale and reasons for a choice

E. Meani - C. L. Romanò

Dental Implant and biofilm prevention

L. Francetti

Anti-bacterial PRP: a possible new frontier ?

S. Taschieri - M. Del Fabbro

Lecture: Infection in oncological implants: reducing their impact now !

R. Capanna

Discussion

K. Malizos



10.15

European Project IDAC n. 277988 coffe workshop

**DAC[®]: Defensive Antibacterial Coating
Applications and Early Clinical Results**

E. Meani - C. Van Der Straeten

DAC[®] rationale and pre-clinical data

C. L. Romanò

Our early clinical results in oncologic applications

R. Capanna

Our Experience with the DAC[®] Hydrogel in THA patients at risk

N. Capuano

DAC[®] in Trauma: The Department for Trauma Surgery Innsbruck early clinical results

A. Danita

The Galeazzi Orthopaedic Institute experience

N. Logoluso - S. Scarponi - D. Romanò

Cereth University clinical results in Prosthetic and Trauma surgery

K. Malizos - P. Kiorpelidis - S. Chliapas

Questions & Answers

11.15

Session 5

Implant-Related Infections: Treatment Strategies in TJA

P. Massin - S. Giannini

Cementless one-stage revision: why not?

R. Morgan Jones

Antibiotic-loaded bone grafts in one-stage treatment of infections

H. Winkler

Two-stage revision with preformed antibiotic-loaded spacers: a > 10 year experience

C. L. Romanò

One-versus two-stage: the French experience

P. Massin

One-versus two-stage: results of a systematic review of the literature

D. George - F. Haddad

The role of mega-implants

G. M. Calori

Discussion

E. Meani

12.30

Session 6

Implant-Related Infections: Treatment Strategies in TRAUMA

R. Morgan Jones - A. Corradi

Optimization of the selection process of a type of surgery in patients with osteomyelitis

C. Alizadeh

External fixation as a salvage procedure for failed osteosynthesis

A. Kirienko

Large bone defects after infection, treatment with intramedullary spacers, as salvage procedure

G. Lob

Anti-biofilm strategies in chronic wound management

K. Kirketerp-Moeller

Discussion

G. M. Calori

13.30

Bonalive - 4i lunch workshop

Bacterial growth inhibiting bioactive glass: a new approach to bone defect management in infections and high risk patients

G. M. Calori – L. Drago

Antibiofilm and antibacterial effect of BonAlive bioactive glass

L. Drago

Clinical experience with BonAlive at Torino hospital

D. Aloj

Clinical BonAlive experience in chronic osteomyelitis surgery

C. Alizadeh

Personal BonAlive experience and multicenter trial results

C. L. Romanò

Questions & Answers

14.30

Session 7

Special Cases Round Table

F. Da Rin - L. Drago - G. Lob - C.L. Romanò

SICOT Infection Committee: the foundation of an international network

F. Da Rin

What We Can Learn
From This Case

Trauma	R. Accetta
Joint prosthesis	T. Ascione
Spine	M. Brayda-Bruno
Joint prosthesis	G. Burastero - R. Rossi
Joint prosthesis	R. D’Anchise
Joint prosthesis	M. Franceschini
Joint prosthesis	A. Pellegrini
Joint prosthesis	G. Riccio
Joint prosthesis	A. Sandri
Rheumatoid arthritis	R. Viganò
Trauma	L. Zagra
Joint prosthesis	E. Zottola

17.00

LET’S VISIT EXPO !



09.00

Session 8

Milano Biofilm Meeting Young Award 2015

J. Stuyck - P. Massin - E. Meani - H. Winkler

Basic Research MBM 2015 Award

Clinical Research MBM 2015 Award

Short Oral Presentations

FISH-based detection of bacteria in orthopedic implant-related infections

W. Boot

Local prophylaxis of implant-related infections using a hydrogel as carrier

W. Boot

A preliminary evaluation of treatment with dithiothreitol to improve bacterial recovery from tissue samples in osteoarticular and joint infections

M. Bortolin

Hands-on and Nurse Training course

A new approach to surgery room disinfection [4i]

Md & Nurse & Specialist

MicroDTTect [4i]

Md & Nurse & Specialist

Short Oral Presentations

Potential effects of acetylcholine in the pathogenesis, biofilm formation and outcome of *Candida albicans* experimental infections

D. Cirasola

Staphylococcal biofilm formation on the surface of three different calcium phosphate bone grafts - A qualitative and quantitative in-vivo analysis

M. Clauss

Does pge1 vasodilator prevent orthopaedic implant-related infection in diabetes? Preliminary results in a mouse model

A. Lovati

Hands-on and Nurse Training course

Cerament G [BoneSupport]
MD & Nurse & Specialist

PALAMIX® e PALACOS® R+G pro [Heraeus]
Md & Nurse & Specialist

DAC [Novagenit]
Md & Nurse & Specialist

Short Oral Presentations

Comparing retrieval efficacy of three methods for eluting microorganisms from central venous catheter biofilm
F. Tassarolo

Bacteria against bacteria: anti-biofilm activity of a selected and patented bacterial compound and its potential role on biofilm-associated infections
M. Toscano

In vivo study of gentamicin and vancomycin release from preformed spacers in infected total hip arthroplasty
G. Trivellin

Hands-on and Nurse Training course

Cemex System [Tecres]
Md & Nurse & Specialist

PJI Management products: Synovasure® PJI & Disposables [Zimmer]
Md & Nurse & Specialist

Antibiotic-loaded bone cement and spacers [Biomet]
Md & Nurse & Specialist

12.00

Ongoing Brunch, adjourn and salutation

Synovasure[®] PJI

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Easy to use. No laboratory needed

For more information visit synovasure.zimmer.com/eu or talk with
your Zimmer sales representative

¹ Deirmengian et al – Combined Measurement of Synovial Fluid α -def and CRP level –
J Bone Joint Surg Am. 2014;96:1439-45

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Venue (Expo Area)

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