EFORT - EHS Instructional Course
MILAN, ITALY
16-17 OCTOBER 2009

THE PROBLEMS OF THE MATERIALS IN THA
WHAT THE ORTHOPAEDIC SURGEON SHOULD KNOW
Dear Colleagues,

Last year’s Instructional Course in Milan focused on the prevention and treatment of surgical complications in THA, but there was not enough time to address the problems related to materials. The success of that course and the general willingness to study this aspect of the procedure in depth has encouraged us to organise a new IC on a topic that sometimes retains a degree of mystery for surgeons. Technological progress continually offers new devices and materials to the orthopaedic surgeon, who must be aware and its advantages and disadvantages. The purpose of this advanced IC is to help participants understand the materials employed in every day surgical activity better, so that they can make more informed decisions.

The faculty of the IC is enriched considerably by contributions from engineers, chemists and experienced European surgeons. The main topic is addressed from the perspective of clinical practice.

In addition, it is our pleasure and our honour to organise the first combined meeting with the European Hip Society in a spirit of collaboration between EFORT and the specialist societies.

There will be plenty of time for discussion at the end of each session, as well as an entire session devoted to debate on controversial and difficult cases ("what to do?" in case of materials-related failures). All participants in the course are warmly invited to bring and to present their own cases, submitting them to the Scientific Committee before the beginning of this session. Our hope is again to stimulate very active participation in the IC by attendees.

We look forward to meeting you all in Milan, and to welcoming you to the stituto Ortopedico Galeazzi IRCCS.

Karl-Göran Thorngren
EFORT President

Luigi Zagra
Chairman LO

George Macheras
EHS President
PROGRAMME
FRIDAY 16 OCTOBER 2009

7.30 Registration
8.10 Opening and welcome L. Zagra, K.-G. Thorngren, G. Macheras, P. Bartolozzi, F. S. Santori
8.20 About EFORT K.-G. Thorngren

METALS EMPLOYED IN THA
Moderators: G. Macheras, R. Giacometti Ceroni
8.30 Steel, cobalt chromium alloys, titanium and tantalum R. Chiesa
8.45 Mechanism of failure and metal compatibility P. Dalla Pria
9.00 Mechanical validation of an implant T. Villa
9.15 Clinical experience: The problems N. Böhler
9.30 Questions and discussion

WHAT IS THE OPTIMUM CONTACT SURFACE TO THE BONE?
Moderators: J. Tabutin, F. S. Santori
9.50 Materials and surface finishing R. Chiesa
10.05 Macrostructures L. Fedrizzi
10.20 Is HA coating useful? P. Tranquilli Leali
10.30 Clinical experience: The problems G. Macheras
10.45 Questions and discussion
11.00 Coffee break

THE CEMENT
Moderators: T. Karachalios, P. Tranquilli Leali
11.30 Different types of cement, antibiotic addittivation, bone-cement interface L. Costa
11.45 The history of cementing techniques: Always improvements? J. Tabutin
12.00 Medullary cavity cement stoppers M. Krismer
12.10 Cementing the titanium and the “French paradox” L. Sedel
12.25 Long term results of cemented implants K.-G. Thorngren
12.40 Discussion
13.00 Lunch
THE EVOLUTION OF THE LINERS AND HEADS MATERIALS
Moderators: M. Krismer, M. D’Imporzano
14.00 Why a metal back and when cement is employable  D. Bergadano
14.10 Which types of locking mechanism  P. Dalla Pria
14.20 Why from conventional PE to cross-linked and Vit. E addittivation?  L. Costa
14.35 Which metals are compatible for bearing surfaces  D. Bergadano
14.50 History and evolution of ceramic  F. Macchi
15.05 Questions and discussion

DIFFERENT PROBLEMS FOR THE DIFFERENT COUPLINGS
(EXPERIENCES, RESULTS, TRICKS AND TIPS)
Moderators: N. Böhler, G. Mineo
15.20 Metal-on-PE  G. Zatti
15.30 Ceramic-on-PE  F. S. Santori
15.40 Metal-on-metal  F. Randelli
15.50 Ceramic-on-ceramic  L. Sedel
16.00 Ceramic-on-metal  M. Tokgozoglu
16.10 Oxidized zirconium  T. Karachalios
16.20 Polycarbonate (poli)urethane  M. D’Imporzano
16.30 Discussion
16.45 Coffee break

CONSIDERING MAJOR PROBLEMS
Moderators: M. Tokgozoglu, P. Gallinaro
17.10 Factors influencing wear and osteolysis  T. Mattes
17.20 Mechanism of fracture and of noises in ceramic and what to do in case this happened  F. Macchi
17.40 Local and systemic biological response of metal-on-metal  I. Learmonth
17.55 Allergies: Which evidences, which tests are available?  P. Pigatto
18.05 Algorithm of the allergic patient  G. Mineo
18.15 Discussion
18.30 End of the day
20.30 Social event
DIFFERENT PROBLEMS, ADVANTAGES AND DISADVANTAGES

Moderators: K. Knahr, P. Rossi

8.00 Beware of fashion surgery
J. Tabutin

8.10 The problems of different standards
(cones, screws, sizes, etc)
P. Rossi

8.20 Advantages and problems of modularity
F. Benazzo

8.30 Advantages and problems of the big heads
L. Zagra

8.40 Is there a specific problem of materials
in resurfacing?
I. Learmonth

8.50 How to measure the wear and how
to detect a failure?
M. Krismer

9.00 The problems of compatibility in case of
partial revision or previous failure
P. Hoffmeyer

9.10 Strategies for head and inlay exchange in revision
K. Knahr

9.20 Periprosthetic fractures: Which material for
internal fixation?
R. Cabral

9.30 Is there an influence of the materials
on infection?
C. Romanò

9.40 Implants survivorship and material defects
(the importance of registries)
N. Böhler

9.50 Discussion

10.15 Coffee break

DIFFICULT AND CONTROVERSIAL CASES DEBATE

Moderators: P. Hoffmeyer, L. Zagra

Presenters: M. Corbella, G. P. Rinaldi, C. Romanò and attendees

10.45 Failures related to the materials: What to do?

LECTURE

Moderator: L. Zagra

12.15 The success of an arthroplasty depends on
the materials employed? R. Giacometti Ceroni

12.30 Credit evaluation L. Zagra

12.35 Closing discussion P. Hoffmeyer, G. Macheras, L. Zagra

12.45 The end of the course followed by lunch snack
INFORMATION

ORGANISATION
EFORT CENTRAL OFFICE
Technoparkstrasse 1
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VENUE
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20161 Milano, Italy
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REGISTRATION AND ACCOMMODATION
www.efort.org
Registration deadline: 5 October 2009

OPENING HOURS
Friday, 16 October 2009, 07.30–18.30
Saturday, 17 October 2009, 8.00-12.45

CONGRESS LANGUAGE
English – no simultaneous translation

COURSE FEE
Registration fee (excl. dinner on 16 October) EUR 270*
Registration fee for residents* EUR 135**
Onsite registration EUR 310
Dinner on 16 October 2009 EUR 30

*10% Discount for EHS Members **A proof of occupation is mandatory
(The course fee does not incl. travel, accommodation)

CREDITS
9 European credits
9 Italian credits "preliminary"
FACULTY

P. Bartolozzi, Verona, Italy
F. Benazzo, Pavia, Italy
D. Bergadano, Genova, Italy
N. Böhler, Linz, Austria
R. Cabral, Coimbra, Portugal
R. Chiesa, Milan, Italy
M. Corbella, Milan, Italy
L. Costa, Turin, Italy
P. Dalla Pria, Udine, Italy
M. D'Imporzano, Milan, Italy
L. Fedrizzi, Udine, Italy
R. Giacometti Ceroni, Milan, Italy
P. Gallinaro, Turin, Italy
P. Hoffmeyer, Geneva, Switzerland
T. Karachalios, Larissa, Greece
K. Knahr, Vienna, Austria
M. Krismer, Innsbruck, Austria
I. Learmonth, Bristol, UK
G. Macheras, Athens, Greece
F. Macchi, Rome, Italy
T. Mattes, Ulm, Germany
G. Mineo, Milan, Italy
P. Pigatto, Milan, Italy
F. Randelli, Milan, Italy
G.P. Rinaldi, Milan, Italy
C. Romanò, Milan, Italy
P. Rossi, Turin, Italy
F. S. Santori, Rome, Italy
L. Sedel, Paris, France
J. Tabutin, Cannes, France
K.-G. Thorngren, Lund, Sweden
M. Tokgozoglu, Ankara, Turkey
P. Tranquilli Leali, Sassari, Italy
T. Villa, Milan, Italy
L. Zagra, Milan, Italy
G. Zatti, Monza, Italy
EFORT ADVANCED TRAINING PROGRAMME

FORTHCOMING EFORT ATP 2009

HIP
EFORT IC advanced Milan, 16-17 October 2009
combined course with EHS (European Hip Society)
Milan, Italy

KNEE
EFORT IC basic Marseille, 11-12 September 2009
Marseille, France

PAEDIATRICS
EFORT - EPOS IC basic Vienna, 8-10 October 2009
combined course with EPOS (European Paediatric Orthopaedic Society)
Vienna, Austria

SPINE
EFORT ExMEx Forum Barcelona, 19-20 November 2009
combined expert course with GEER (Spanish Spine Society)
Barcelona, Spain

EVENTS approved by EFORT

Expand your knowledge! Visit our Advanced Training Programme on:
www.efort.org/training