2nd ESTROT CONGRESS
European Society of Tissue Regeneration in Orthopaedics and Traumatology

CHAIRMAN: Thierry Bégué

June, 27th, 28th, 29th 2016
Paris, Medical School

PREFINAL PROGRAM
Dear Colleague, Dear Friend,

It is a great honor to organize the Second congress of our rather young Society ESTROT, where we shall be able to share our experience in reconstruction of the locomotor apparatus in all of its components.

ESTROT is a combined society devoted to clinicians and researchers, and discussions between us will guarantee new developments for a better healthcare to our patients.

This second congress will focus on different topics with a clear view of where we are and where we try to go. So we shall get an update on bone reconstruction, cartilage repair, tendon reconstruction, new trends for ligament reconstruction, nerve regeneration. BMP, PRP and MSC will be at the center of our discussions during the entire meeting. To stay on top of clinical and experimental research, just join this Second ESTROT meeting.

Paris is looking forward to meeting you.

Thierry Bégué

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**Vice-President**
Gerhard Schmidmaier

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Larsson Sune
Marcacci Maurilio
Verdonk René
Zimmermann Gerald
TOPICS

› PRP in Cartilage and Tendon repair (or reconstruction)
  › Biocomposite in ACL reconstruction
  › Biological chambers
  › MSC what we do, what we can do

ABSTRACT SUBMISSION: DEADLINE 10/06/2016
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ESTROT Secretariat
  Keep International estrot@keepinternational.net
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>12.30</td>
<td>Registration of participants</td>
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<tr>
<td>13.00</td>
<td>Welcome allocution</td>
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<td><strong>T. Bégué</strong>, Chairman of the meeting</td>
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<tr>
<td>13.15</td>
<td>ESTROT Society presentation</td>
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<td><strong>G.M. Calori</strong>, President of ESTROT</td>
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<tr>
<td>13.30</td>
<td>Innovation and new technologies in Paris-Sud University</td>
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<td><strong>S. Retailleau</strong>, President of Paris-Sud University - Orsay</td>
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<tr>
<td>14.00</td>
<td>Innovations in Surgery and Regenerative research at Paris-Sud Medical School</td>
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<td><strong>S. Bobin</strong>, Dean of Medical School</td>
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**1ST SESSION: BONE**

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<th>Time</th>
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<tr>
<td>14.30</td>
<td><strong>Keynote lecture</strong>: Fractures and patients at risk of non-union</td>
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<td><strong>G. M. Calori</strong></td>
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<td>15.00</td>
<td><strong>Round Table</strong>: management of risk factors to prevent non-union. A European perspective:</td>
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<td><strong>T. Blokhuis, P. Cherubino, M. Soubeyrand</strong></td>
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<td><strong>G. Zimmermann</strong></td>
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<tr>
<td>16.00</td>
<td><strong>Coffee Break</strong></td>
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**2ND SESSION: CARTILAGE**

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<th>Time</th>
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<tr>
<td>16.30</td>
<td><strong>Keynote lecture</strong>: Autologous cartilage transplantation</td>
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<tr>
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<td><strong>G. Zimmermann</strong></td>
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<td>17.00</td>
<td><strong>Round Table</strong>: Cartilage defects in the lower limb</td>
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<td>I prefer mosaicoplasty - <strong>R. Radulescu</strong></td>
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<td>I prefer stem cells implantation - <strong>M. Marcacci</strong></td>
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<td>I prefer microfractures – <strong>G. Versier</strong></td>
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<td>I prefer Scaffold implantation</td>
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3RD SESSION: TENDON

14.30 **Keynote lecture:** Tendon reconstruction using PRP
What is the evidence? - **F. Benazzo**

15.00 **FREE PAPER SESSION ON TENDON RECONSTRUCTION**
(10 papers of 6’)
Moderators: **P. Hardy, N. Kanakaris**

16.00 **COFFEE BREAK**

4TH SESSION: SKIN

16.30 **Skin regenerative therapies:** Are commercial products really effective? What is the evidence? – **S. Levante**

17.00 **ROUND TABLE:** Skin regenerative procedures. What am I using, and for what?
**J. Lataillade, E. Bey, S. Marheuzer, J. Simmons**
1ST RESEARCH SESSION CARTILAGE


15.00 Round table: In vitro survivorship of cartilage cells
H. Petite, E. Kon, F. Forriol, P. Duda, Gomes

16.00 Coffee break

2ND RESEARCH SESSION – FREE PAPERS
Subject: General and PRP
Moderators: P. Cherubino, O. Gagey

16.30 Implementation of Guidelines: The experience of Hospital G. Pini
M. Nobile, P. Navone, M. Colombo, F. Auxilia, G.M. Calori

16.40 Kienbock’s disease: our experience in treatment with bone graft substitute and PRP –
A. Parlato, A. Conti, A. D’arienzo, S. Mannino, M. D’arienzo

16.50 PRP in sports medicine and orthopedics field: application of dose concept through a meta-analysis of 21 randomized clinical trial

17.00 Chemotaxis of neutrophils towards the human fracture hematoma in vitro
O.W. Bastian, M.H. Mrozek, M. Raaben, L. Koenderman, L.P.H. Leenen, T.J. Blokhuis

17.10 Using of autologous platelet rich plasma activated with authologus thrombin in order to stimulate meniscal healing.
D. Abazovic, T. Palibrk, S. Džudović

17.20 Pain reduction in patients treated with gel leuco-platelet infiltration: preliminary results in orthopaedic diseases
C. D’antimo, S. Di Fabio, A. Borean, C. Salti, I. Pirola

17.30 Exogen ultrasound system against national guidance
A. Sorial, R. Harrison, A. Khunda, A. Rafee, D. Sprott, R. Wilke
5\textsuperscript{TH} SESSION: CELLS

08.30 MSC’s in bone non-union. How to get them? My practice and evolution - \textit{P. Hernigou}

09.00 \textbf{ROUND TABLE:} cells in bone non-union
- The life of stem cells - \textit{P. Giannoudis}
- Hypoxia and Glucose for MSC’s survival - \textit{H. Petite}
- Stimulation of MSC’s development - \textit{H. Simpson}
- How I use MSC’s for regenerative surgery in musculoskeletal system - \textit{M. Marcacci}
- Application of MSC in non union: my experience \textit{G. Zimmermann}

10.00 Coffee break

6\textsuperscript{TH} SESSION

10.30 \textbf{Lecture:} Free vascularized transfers for critical bone size defects after tumor resection. How to get a success in difficult cases - \textit{R. Capanna}

11.30 \textbf{Lecture:} Reconstruction with induced membrane: theory, results, tips and tricks - \textit{A.C. Masquelet}
7th Session: Bone Non-Union Without Bone Defect

08.30 **Keynote lecture:** Non-unions in the upper limb: evaluation and treatment - *L. Obert*

09.00 **Round Table:** Non-union without bone defect: my preferred method of treatment

*P. Cherubino, N. Maroudias, S. Larsson, G. Zimmermann, O. Aydingoz*

10.00 Coffee break

8th Session: Growth Factors

10.30 **Keynote lecture:** Growth factors and regenerative therapies - *G. Schmidmaier*

11.00 **Keynote lecture:** Human epidermal growth factor in the treatment of diabetic foot ulcers - *C. Buke*

11.30 **Free Papers** on Growth factors. (15 papers of 6’)

Moderators: *G. Schmidmaier, J.C. Auregan*
9TH SESSION: NERVE

08.30 **Keynote lecture:** Regenerative therapies (cells and growth factors) in nerve reconstruction - *M. Chammas*

09.00 **FREE PAPERS** on nerve regenerative procedures
Moderators: *L. Obert, H. Simpson*

10.00 Coffee break

10TH SESSION FREE PAPER on Bone substitutes and Biomaterials
Moderators: *J. Salo, JJC Arts*

10.30 Our Ongoing Experience With A Polyurethane Urea Biomaterial
*E. L. Mazza, M. Colombo, E. Malagoli, S. Mazzola, G. M. Calori*

10.40 Bioactive glass S53P4 in the treatment of osteomyelitis – a multinational study
*N. C. Lindfors, J. Geurts, L. Drago, J.J. Arts, V. Juutilainen, P. Hyvonen, A. Suda, D. Aloj, S. Artiaco, C. Alizadeh, A. Brychcy, J. Bialecki, C. Romanò*

12.00 HRpQCT imaging in bone healing - *JJC Arts*

12.30 **ESTROT Board meeting**

13.00 **BONALIVE LUNCH SYMPOSIUM - AMPHI A**

13.00 **WALDEMAR LINK SYMPOSIUM - AMPHI B**

14.00 **ESTROT General Assembly**
11TH SESSION FUTURE ADVANCES

14.30 Keynote lecture: Massive prosthesis for bone defects over reconstructive possibilities - G.M. Calori

15.00 Round Table: Tribology session of massive prosthesis F. Gouin, J. Vaquero, G.M. Calori

16.00 Coffee break

12TH SESSION: CARTILAGE, REGENERATIVE THERAPIES

16.30 Keynote lecture: Early Osteoarthritis: biological solutions - E. Kon

17.00 Round Table: chondrocyte transplantation. What is the evidence.- E. Kon, H. Petite
13TH SESSION MENISCUS

14.30 **Keynote lecture:** Meniscus allograft. Is there an alternative in regenerative therapies?
*R. Verdonk*

15.00 **ROUND TABLE:** Regenerative therapies in meniscus repair
*P. Beaufils*

16.00 **Coffee break**

14TH SESSION: SCAFFOLD

16.30 How I choose the correct scaffold for post-traumatic defects
*N. Kanakaris*

17.00 Types of scaffolds. Advantages and pitfalls. Algorithm to decide. View from research – *JJC Arts*

17.30 Scaffolds for reconstruction of massive defects in revision arthroplasties
15TH SESSION FREE PAPER

Topic: Bone

Moderators: N. Borici, N. Maroudias

14.30 Surgical techniques and biomaterials in the treatment of post-traumatic bone defects
R. Varsalona, S. Caruso

14.40 Increased osteogenic capacity of Reamer/Irrigator/Aspirator derived Mesenchymal Stem Cells
R. Van der Bel, T.J. Blokhuis

14.50 Contemporary approaches in perioperative preparation and application of autologous bone graft in fracture nonunion
D. Abazovic, T. Palibrk, A. Lešic, M. Bumbaširevic

15.00 Surgical technique and evaluation at long follow-up of a cartilage autograft from rib at wrist & hand surgery
L. Obert, F. Loisel, D. Lepage

15.10 Induced membrane technique (masquelet technique) to treat bone defect at hand level prospective multicenter evaluation
L. Obert, T. Rondot, V. Morris, D. Cheval, F. Gindraux, F. Loisel

15.20 Induced membrane technique masquelet technique to treat bone defect at upper limb level - Prospective multicenter evaluation
L. Obert, F. Loisel, T. Rondot, D. Cheval, F. Gindraux

15.30 Fingertip reconstruction with occlusive dressing: Clinical results and biological analysis of the dressing content’s
L. Obert, F. Loisel, J. Boudard, J. Pauchot

16.00 Coffee break
08.00  ❖ 16th SESSION RESEARCH : PRP IN REGENERATIVE SURGERIES

10.00  COFFEE BREAK

❖ 17th SESSION BONE : NON-UNION WITH CRITICAL BONE DEFECT

10.30  Treatment of critical sized acute bone defects using regenerative therapies
T. Bégué

11.00  ROUND TABLE: Bone defects management. My preferred method of treatment
E. Guerado, A. Martson, P. Giannoudis, K. Aktuglu,
P. Cherubino, P. Hoffmeyer

12.30  Closure of the Meeting
18TH SESSION : BONE INFECTION

08.30 **Keynote lecture:** Bioglasses in reconstruction surgery after infection - *T. Bégué*

FREE PAPER SESSION: Infected non-union. Biological management
Moderators: *G. Schmidmaier, N. Kanakaris*

9.00 Developing a model for analysing the extra costs associated with Surgical Site Infections (SSIs
*P. Navone, P. Nobile, M. Orzella, A. Auxilia, M. Colombo, G.M. Calori*

9.10 Successful treatment of localise chronic osteomyelitis involving surgical debridement, implantation of commercially-available tobramycin-impregnated calcium sulphate pellets and systemic Antibiotics
*A. Rafée, S. Bitar, A. Khunda, R Wilkes*

10.00 **Coffee break**

19TH SESSION SCAFFOLD, DBM AND BMP’S EDUCATIONAL PROGRAM – ICL

08.30 The Diamond concept in regenerative surgery - *P. Giannoudis*

09.00 Non-union scoring system - *G.M. Calori*

09.30 The RIAS system in Regenerative therapies. A combined tool
*G. Schmidmaier*

10.00 **Coffee break**
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INFORMATION

VENUE:

University Paris Sud
Faculté de médecine - Kremlin Bicêtre
63, rue Gabriel Péri 94276 Le Kremlin-Bicêtre cedex

REGISTRATION

Medical Doctors € 350,00 (taxes included)
Student, Residents and Nurses € 100,00 (taxes included)
Researchers € 150,00 (taxes included)
Industry Attendees € 150,00

Fees are taxes included increased by 50 euros after 10/06/2016

Cancellation Policy: Registration fees are non refundable

Registration fee includes:
Participation to scientific sessions.
Congress bag, lunch and coffee breaks
Badge and certificate of attendance

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