



10TH E.S.T.R.O.T. CONGRESS

Chairman:
Professor Thierry Bégué

Program

11-12-13 JUNE 2026

Research Building Paris-Saclay - Medical School - Le Kremlin-Bicetre



E.S.T.R.O.T.

European Society of Tissue Regeneration in Orthopaedics and Traumatology

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OBJECTIVES

The objectives of the Society are:

To relieve sickness in particular by advancing and promoting education and research in the treatment of musculoskeletal disorders.

To cover all matters relating to the progress and development of the field of tissue regeneration including surgery of bone, cartilage, muscle, nerve, skin, imaging techniques, rehabilitation and other related medical specialities.

To disseminate the useful results of tissue regeneration research into the medical profession.

To promote audit of hard and soft tissue reconstruction in relation to patient outcomes.

To guide European Tissue Regeneration Policies and to guide alliances of similar organisations from other continents.



E.S.T.R.O.T.

European Society of Tissue Regeneration in Orthopaedics and Traumatology

TOPICS

- Bone defect repair : induced membrane versus Bone transport
- Stem cells and Bone repair
- Scaffolds, biomaterials and Bone regeneration
- Antibiotic choices in bone infection
- Atrophic bone non-union
- Cartilage regeneration and MSC
- Meniscus : regeneration or artificial implants
- Guide nerve regeneration
- Sarcopenia
- Integration of allografts

Register now





FACULTY

Chris Arts - Maastricht, The Netherlands

Jean Charles Auregan - Paris, France

Halil Ibrahim Balci - Istanbul, Turkey

Fernando Baldy dos Reis - Rio de Janeiro, Brasil

Thierry Bégué - Paris, France

Peter Biberthaler - Mûnich, Germany

Taco Blokhuis - Maastricht, The Netherlands

Charlie Bouthors - Paris, France

Denis Dufrane - L'ouvain, Belgium

Paulo Felicissimo - Lisbon, Portugal

Peter Giannoudis - Leeds, UK

Jean Noel Goubier - Paris, France

Marc Humbert - Paris, France

Nikolaos Kanakaris - Leeds, UK

Philipp Lanz - Graz, Austria

Nina Lindfors - Helsinki, Finland

Delphine Logeart - Avramoglou - Paris, France

Ingo Marzi - Frankfurt, Germany

Alain Masquelet - Paris, France

Mehdi Miladi - Paris, France

Charles Pioger - Boulogne, France

Esther Potier - Paris, France

Gerhard Schmidmaier - Heidelberg, Germany

Benoît Villain - Paris, France

- 12.30 - 13.30 Registration
- 13.30 - 14.00 Welcome and program presentation - *Marc Humbert* (Dean of Medical School) - *Thierry Begué*
- SESSION 1 - Moderator: *Jean Charles Auregan*
- 14.00 - 14.20 Spotlight Lecture 1
Use of Bioactive Glass 45S5 in Spine Surgery - *Charlie Bouthors*
- 14.20 - 14.40 Spotlight Lecture 2
What are the Bone substitutes validated for Spine fusion : An Evidence Based approach
Jean Charles Auregan, Mehdi Miladi
- 14.40 - 15.00 Spotlight Lecture 3
Cell-based therapies for intervertebral disc regeneration - *Esther Potier*
- 15.00 - 15.45 Workshop PBC Biomed - Salle 2
Strengthening the Bond: Modern Biomaterials for Fracture Fixation & Bone Regeneration
- Prof. Peter Giannoudis – Fracture Fixation and Biomaterials: What I use and why.
 - Dr. Gerard Insley - Biomaterials with Adhesive Properties
- 15.45 - 17.10 SESSION 2 - Free Papers - Bone regeneration - Moderators : *Benoit Villain, Nina Lindfors (5'+2')*
- Comparison of Scaffold Reconstruction vs Microfracture for Talar Osteochondral Lesions: a Retrospective Study - *G. A. H. Seymenoğlu, Y. Altuntaş, E. İpek, O.T. Eren (Istanbul, Turkey)*

Human acellular dermis in high grade osteochondrosis dissecans treatment, a feasibility investigation - [R. Verboket](#), [J. Fusshoeller](#), [J. Frank](#), [I. Marzi](#) (Frankfurt, Germany)

Variation in Bone Marrow Aspirate Concentrate (BMAC) between patients treated for post-traumatic bone defects and non union - [A.J.L. Lodewijks](#), [M. Warin](#), [L. Aydin](#), [M. van Griensven](#), [M. Poeze](#), [T.J. Blokhuis](#) (Maastricht, Netherlands)

In Vitro morphological adaptations to bone marrow derived multipotential stromal cells following application of physiological and pathological strain profiles - [H.E. Owston](#), [H. Liao](#), [P.L. Rodham](#), [P. Culmer](#), [P.V. Giannoudis](#), [A. Alazmani](#) (Leeds, UK)

3D-melt-spin-bioprinting as a scalable platform for synthetic acellular dermal membrane (HADM) fabrication - [S. Scholpp](#), [E. Schatzlein](#), [N. Kohler](#), [M. Vierling](#), [D. Henrich](#), [A. Blaeser](#) (Darmstadt, Germany)

Development of a 3D printed alternatives implantable device for the Masquelet induced membrane technique - [J. Venant](#), [M. Oger](#), [L. Begot](#), [L. Mathieu](#), [G. Rohman](#), [A. Benoit](#), [D. Lutomski](#), [J.M. Collombet](#), [M. Durand](#) (Bretigny-sur-Orge, France)

Beyond visuals: integrating histology and bending stiffness into a multimodal deep learning framework for automated bone healing assessment in rat femoral critical size bone defects
[J. Neijhofs](#), [V. Moltschanov](#), [Y. Zhao](#), [R. Verboket](#), [N. Soehling](#), [C. Hoog-Antink](#), [I. Marzi](#), [D. Henrich](#) (Frankfurt, Germany)

Surgical treatment of post traumatic long bone non-unions using the Induced Membrane Technique: a one year outcome study - [L.C.A. van der Broeck](#), [A. Lodewijks](#), [M. Gilissen](#), [M. Poeze](#), [T.J. Blokhuis](#) (Maastricht, Netherlands)

Determinants of Failure in the Masquelet technique for segmental bone defects: a case-based analysis - *F. Chiodini, C. Garcia Parra, V. Moretti (Bergamo, Italy)*

Internal lengthening nail (precice) for limb reconstruction after post-traumatic shortening after bone infection: is it safe? - *M.Kanar, G. Alibakan, Y. Altuntas, E. Ipak, O.T. Eren (Istanbul, Turkey)*

17.10 -17.30 Coffee break

17.30 - 18.15 SESSION 3 - Moderator: *Gerhard Schmidmaier*

Round table : Which Bone substitutes I am using in Regenerative Surgery and why
Nina Lindfors, Nikolaos Kanakaris, Taco Blokhuis

18.15 - 18.35 Polytherapy for long bone non-unions: the Maastricht experience - *Taco Blokhuis*

18.35 End of the day

ESTROT Board Meeting

SESSION 4 - Moderator: *Thierry Bégué*

- 08.30 - 08.50 Patient-individually 3D-printed Polycaprolactone Scaffolds and Bioactive Glass for treatment of large size bone defects - *Gerhard Schmidmaier*
- 08.50 - 09.10 Cost implications of Bone Defect Management using the Masquelet Technique versus Distraction Osteogenesis - *Nikolaos Kanakaris*
- 09.10 - 09.30 The microenvironment of fracture non-union: an update - *Peter Giannoudis*
- 09.30 - 09.50 Scaffolds for Bone Regeneration. Linking Geometry, Chemistry and Biological Performance
Delphine Logeart
- 09.50 - 10.10 Are massive structural allografts usable in large segmental bone defects with the induced membrane technique - *Benoit Villain*
- 10.10 - 10.30 Bacteriophages: role in the management of orthopedic infections - *Nina Lindfors*
- 10.30 - 11.00 Coffee break - Visit of exhibit
- 11.00 - 11.30 Keynote lecture : Management of chronic Bone infection after Trauma. My experience
Fernando Baldy dos Reis
- 11.30 - 12.00 Keynote lecture : The induced membrane technique for Bone regeneration : How it began ?
Alain C. Masquelet

SESSION 6 - Moderator: *Ingo Marzi*

- 12.00 - 12.20 Latest innovations in Mesenchymal stem cell isolation and concentration - *Peter Giannoudis*
- 12.20 - 12.40 What kind of bone substitutes might be useful in the treatment of FRI - *Gerhard Schmidmaier*
- 12.40 - 13.00 Rationale and Modes of Delivery of Local Antibacterials - *Nikolaos Kanakaris*
- 13.00 - 13.20 Next generation scaffolds for Large Bone Defects: Integrating Immunomodulation and 3D printable functionality - *Ingo Marzi*
- 13.20 - 14.10 Lunch and visit of exhibit

14.10 - 15.20 SESSION 7 - FREE PAPER SESSION : CELLS RESEARCH AND CLINICAL APPLICATIONS

Moderators: *Peter Giannoudis, Chris Arts*

Bioactive glass dressings for infected wounds: a systematic review - *N.C. Patel, [T.J. Howe](#), H.A. Claireaux, J.R. Jones, A. Ramasamy (London, UK)*

Bioactive glasses display antibacterial properties against multidrug-resistant gram-negative bacteria associated with conflict wounds in Ukraine - *[H.A. Claireaux](#), J. Zheng, E.J.A. Douglas, S. Pallett, L. Moore, O. Moshynets, A. Ramasamy, J.R. Jones, A.M. Edwards (London, UK)*

A strange case of fracture related infection: open left tibial fracture and subsequent proximal humeral right infection - S. Barreca, S. De Lorenzo, A. Morena, G. Calabrò, G. Lombardo, M. Ventra, D. Lacquaniti, A. Piccolo, M. Accardo, F. Scordino (Reggio Calabria, Italy)

In vitro study of the action of six antiseptics on the biofilm of methicillin-resistant Staphylococcus aureus (MRSA) and perspectives for intraoperative irrigation in prosthetic joint infection F.M. Bombah, R. Buzisa, T. Schubert, F. Van Bambeke, O. Cornu (Brussels, Belgium)

AJISS: A Predictive Antibiotic Duration Score derived from a Systematic Review and Meta-analysis of native and prosthetic joint infections RCTs - F.M. Bombah, R. Buzisa, G. Fodjeu, T. Schubert, O. Cornu ((Brussels, Belgium)

Small surgery and biology to treat non union - S. Barreca, S. De Lorenzo, A. Morena, G. Lombardo, M. Ventra, A. Piccolo, M. Accardo, F. Scordino, G. Calabrò (Reggio Calabria, Italy)

P-15 Peptide in Bone Regeneration: a Systematic Literature Review about the Evidence of the Molecular Mode of Action - E.I.J.M. Burgers, A.J.L. Lodewijks, T.A. Hoelen, T.J. Blokhuis, J. Geurts, J.J. Arts (Maastricht, Netherlands)

Surgical trauma alters the extracellular vesicle signature of platelet-rich fibrin - D. Henrich, T. Schroeders, L. Usov, J. Neijhoft, N. Soehling, I. Marzi, R. Verboket (Frankfurt, Germany)

The UNITED Study: Unifying Non-Union Insights through Targeted Evaluation - a Delphi consensus study - L.C.A. van der Broeck, A. Lodewijks, M. Poeze, T.J. Blokhuis (Maastricht, Netherlands)

Comparative evaluation of nerve repair and local tissue response following REFEEL nerve cuff implantation in a rat sciatic model - T.A. Russell, A. Tzagiollari, B. O Doherty, O. Burke, S. Duffy, P. Dorrell, M. Nakamura, N. Watanabe, G.M. Insley (Limerick, Ireland)

- SESSION 8 - Moderator : *Taco Blokhuis*

15.20 - 15.40 Nerve regeneration. What are the possibilities ? - *Jean Noel Goubier*

15.40 - 16.50 Round table : Fracture related infection. Where are we ?

- Prevention of implant-related infection - an update on available technologies - *Nikolaos Kanakaris*
- The use of Bioactive glass (S53P4) in the treatment of FRI - *Gerhard Schmidmaier*

16.50 - 17.10 Coffee break

17.10 - 17.30 Meniscal allograft or meniscal substitute. What is the best in 2026 - *Charles Pioger*

17.30 - 17.50 Influence of Sarcopenia on tissue regeneration in Orthopedics and Trauma - *Paulo Felicissimo*

20.30 FACULTY DINNER

08.30 - 10.30 SESSION 9 - Moderators: *Thierry Bégué, Fernando Baldy dos Reis*

SYMPOSIUM : BONE TRANSPORT VERSUS MASQUELET TECHNIQUE

- in acute bone defects : *Ingo Marzi, Thierry Bégué*

- in nonunions (aseptic and infected) - *Fernando Baldy dos Reis, Benoît Villain*

- Bone transport with ExFix or Nail - *Halil Ibrahim Balci, Philipp Lanz*

10.30 - 11.00 Coffee break and visit to exhibit

11.00 - 12.30 SESSION 10

Moderators : *Benoît Villain, Chris Arts*

NVD003: An Autologous Adipose Stem Cell-Derived Osteogenic Implant for Bone Defects Requiring Biologic Reconstruction - *Judy Ashworth, Hara Episkopou, Pierre-Louis Docquier, Torsten Gerich, Aaron James, Denis Dufrane*

FREE PAPERS - New technologies, Future development, miscellaneous

The role of IMAT in single-slice CT imaging in assessing osteosarcopenia in patients from Maastricht, Netherlands - *S.E.L.J. Verdonschot, J.N. Peltzer, L.L.G.C. Ackermans, L. Wee, G. Verkoulen, B. Martens, T.J. Blokhuis, J.A. Ten Bosch (Maastricht, Netherlands)*

Long-term outcomes in patients with sarcopenia: a Fracture Liaison Service cohort from Venlo, Netherlands

S.E.L.J. Verdonschot, H. Algoe, L.L.G.C. Ackermans, L. Vranken, J.P. van den Bergh, T.J. Blokhuis, C.E. Wyers, J.A. Ten Bosch (Maastricht, Netherlands)

Evaluation of OSSTIC as a dual-function bone adhesive for antibiotic delivery and mechanical performance

G. Kearney, A.G. Badaru, T. Larkin, G.M. Insley, A. Tzagiollari (Limerick, Ireland)

Peroneus longus myofascial bilateral hernia in a high-level football player: case report and comprehensive literature review - T. Correia, J.S. Alves, P. Cunha, R.M. Cerqueira, J. Soeima, J.L. Simaes, I. Henriques, M. Salvado, J. Moura (Antwerp, Belgium)

Comparing internal brace ligament augmentation with anterior cruciate ligament reconstruction: Libre Study - a prospective, multicentre, single-blind, randomised controlled trial - J. Vandenrijt, L. Dossche, E. Roelant, J. Vanlauwe, P. Van Dyck, T. Peeters, J. Michielsen, C.H.W. Heusdens (Antwerp, Belgium)

A spacer for hip arthrosis: a strange clinical case - S. Barreca, S. De Lorenzo, A. Morena, G. Calabrò, G. Lombardo, M. Ventra, D. Lacquaniti, A. Piccolo, M. Accardo, F. Scordino (Reggio Calabria, Italy)

Evaluation of Serum IMA and MMP-9 levels in patients admitted to the emergency department with diabetic foot ulcer: their correlation with the Texas and Sinbad classification systems and value in prognosis determination - O. Verep, V.A. Durak, A. Cakir, B. Sarisozen, C.Ermutlu (Bursa, Turkey)

12.30 -12.50

AWARD Ceremony

12.50 -13.00

Closure of the Congress

REGISTRATION FEES

REGISTRATION FEES (VAT included)	ONSITE
Medical Doctors Member*	250,00 €
Medical Doctors Non Member*	€ 400,00 Joining ESTROT membership (fee € 50,00) will imply 10th ESTROT Members Registration fee € 250,00
Scientist, Residents and Researchers	100,00 €
Students and Nurses	75,00 €
Exhibitors	200,00 €
One day registration Member*	150,00 €
One day registration Non Member*	200,00 €

AWARDS	
Free papers	
Gold	€ 1.000,00
Silver	€ 500,00
Bronze	€ 250,00
Poster	€ 250,00

GENERAL INFORMATION

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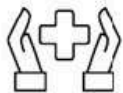




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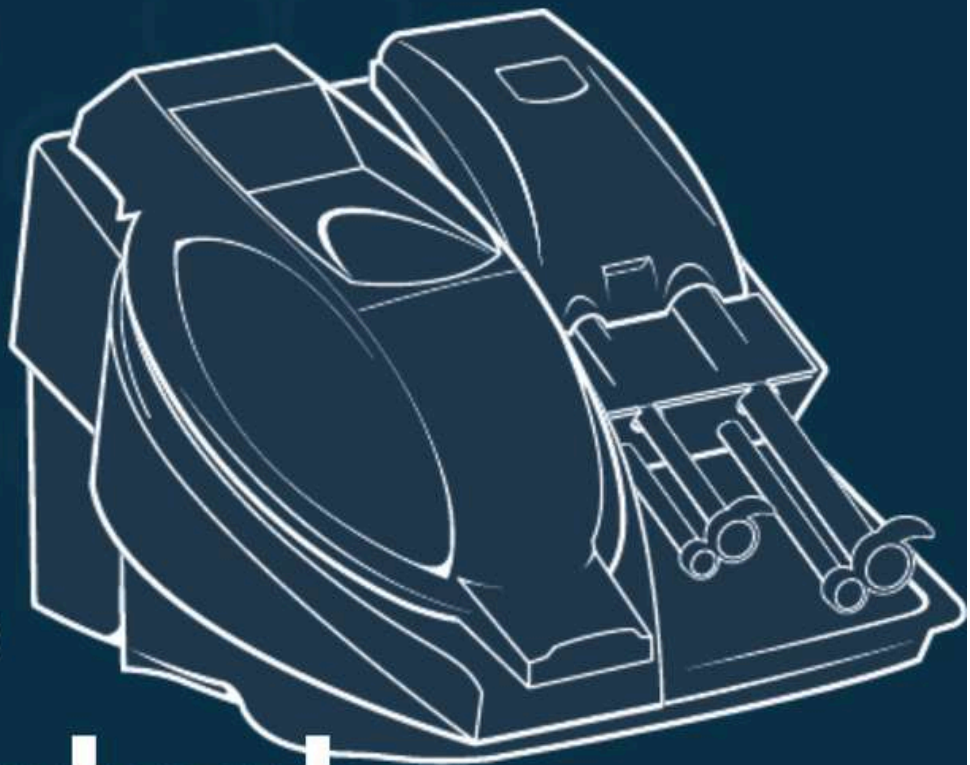


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