

8TH **Nina Lindfors ESTROT** CONGRESS

European Society of Tissue Regeneration in Orthopaedics and Traumatology

THE MAIN TOPICS:

- Biomaterials tissue regeneration, infection treatment
- Bone and cartilage tissue reconstruction and regeneration
- Traumatology surgical techniques, host reactions
- Plastic surgery soft tissue regeneration
- Tissue regeneration in children



10-12 June 2024



Helsinki, Finland



Chairman

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BOARD

OBJECTIVES

PRESIDENT:

Prof. Peter V. Giannoudis Leeds, United Kingdom

PAST PRESIDENT:

Prof. Gerhard Schmidmaier Heidelberg, Germany

TREASURER:

Prof. Thierry Bégué Paris, France

ESTROT AMBASSADOR:

Scientific Committee Chair Prof. Giorgio M. Calori Milan, Italy The objectives of the Society are:

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

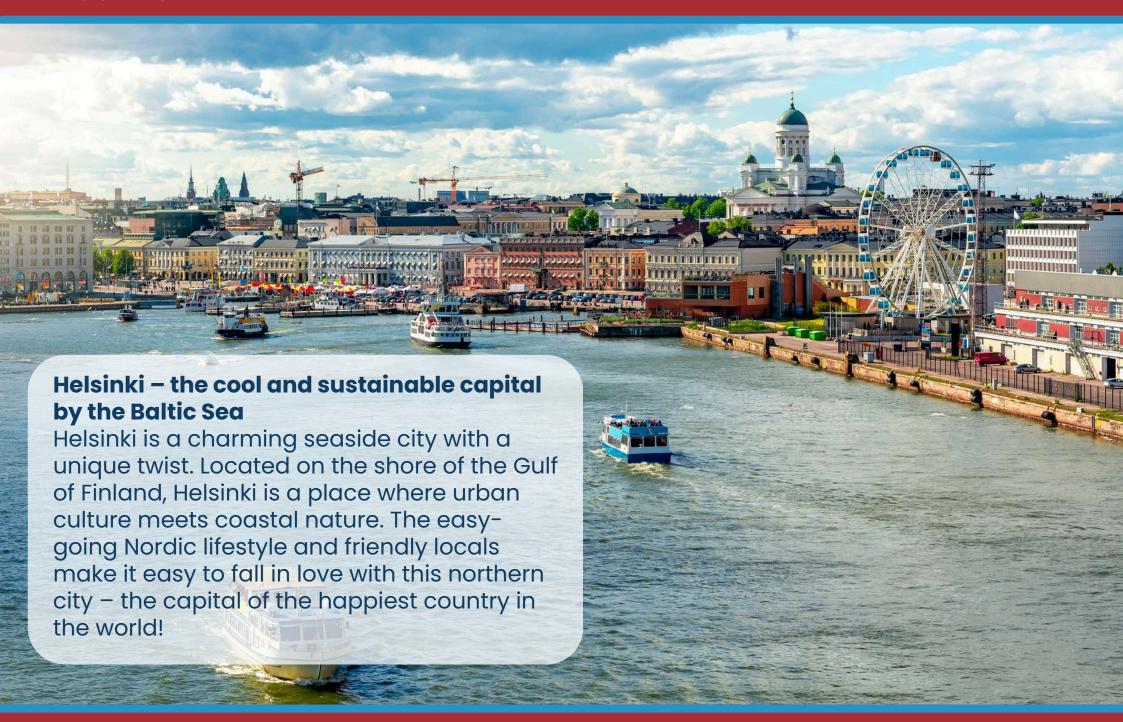
To cover all matters relating to the progress and development of the field of tissue regeneration including surgery of bone, cartilage, muscle, nerve, skin, imaging techniques, rehabilitation and other related medical specialities.

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.

LOCATION



FACULTY

Anttila Turkka - Helsinki, Finland Arts Chris - Maastricht, The Netherlands Asklof Tom - Helsinki, Finland Aspinen Samuli - Helsinki, Finland Begué Thierry - Paris, France Bjorkenheim Robert - Helsinki, Finland Blokhuis Taco - Maastricht, The Netherlands Calori Giorgio Maria - Milan, Italy Emans Pieter - Maastricht, The Netherlands Gastgifvars John - Helsinki, Finland Geurts Jan - Maastricht, The Netherlands Giannoudis Peter - Leeds, United Kingdom Haara Mikko - Helsinki, Finland Heino Terhi - Turku, Finland Helenius Illka - Helsinki, Finland Hettiaratchy Shehan - London, United Kingdom Ibounig Thomas - Helsinki, Finland Jones Julian - London, United Kingdom Kalske Joona - Helsinki, Finland Kauhanen Susanna - Helsinki, Finland Kilijunen Saija - Helsinki, Finland

Kold Soren - Aalborg, Denmark Lindfors Nina - Helsinki, Finland Lindahl Jan - Helsinki, Finland Marzi Ingo - Frankfurt, Germany Mattila Simo - Helsinki, Finland Mesimaki Karri - Helsinki, Finland Mora Leon - Medellin, Colombia Nietosvaara Yrjana- Helsinki, Finland Nikitin Petro - Kyiv, Ukraine Nordback Panu - Helsinki, Finland Rikhter Oleksandr Kyiv, Ukraine Ryhanen Jorma - Helsinki, Finland Salo Jari - Helsinki, Finland Schmidmaier Gerhard - Heidelberg, Germany Simons Tomi - Helsinki, Finland Suominen Sinikka - Helsinki, Finland Vallittu Pekka - Turku, Finland Villain Benoit - Paris, France Vuola Jyrki - Helsinki, Finland Welting Tim - Maastricht, The Netherlands Ylitalo Antti - Tampere, Finland

Monday, June 10, 2024

| 09:00 10:25 | Registration Welcome opening - <i>Nina Lindfors</i> | | |
|----------------|---------------------------------------------------------------------------------------------------------------------|--|--|
| | Session I - Cartilage regeneration and osteoarthritis Chairmen: Nina Lindfors, Peter Giannoudis | | |
| 10:30 | Meniscal allograft transplantation outcomes in both minimal and moderate knee osteoarthritis Jan Lindahl | | |
| 10:50 | Cartilage repair and joint-preservation - <i>Pieter Emans</i> | | |
| 11:10 | | | |
| 11.30 | | | |
| 11.50 | | | |
| | Session II - Complications and treatment protocols Chairmen: Jan Lindahl, Gerhard Schmidmaier | | |
| 12:10 | Complications using externally controlled intramedullary nails for limb lengthening or bone transport Sören Kold | | |
| 12.30 | Reducing complications - Protocol based orthoplastic approach to open tibia fractures - <i>Antti Ylitalo</i> | | |
| 12.50 | Lunch Break - the stairs in the Bridge Hospital | | |
| 13.20 | Poster Session | | |

Monday, June 10, 2024

Session III - Soft tissue treatment and tissue regeneration: plastic and hand surgery Chairmen: Jyrki Vuola, Thierry Béqué 14:00 Adipose tissue derived stromal cells - Clinical Applications - Susanna Kauhanen 14:20 Helsinki approach in the surgical management of lymphedema - Sinikka Suominen Cell therapy for wound healing in burn patients - Jyrki Vuola 14.40 15.00 Skin substitutes title to be confirmed - John Gästgifvars Novel algorithmic approach for hand soft tissue reconstruction - Panu Nordback 15.20 Coffee Break 15:40 Session IV - New technologies: Artificial Intelligence and 3D printing Chairmen: Chris Arts, Nina Lindfors 16:00 Detection of DRF with AI from plain radiographs - Turkka Anttila 16:20 Detection of hand Enchondromas using AI - Jorma Ryhänen 16:40 Using 3D printed patient specific b-TCP synthetic bone graft in distal radius osteotomies - Samuli Aspinen Development and Characterization of a 3D printable filament containing Vancomycin for local antimicrobial 17:00 and prophylactic applications - Jonas Neijhoft 17.20 Summary 18.00 Welcome reception Finska Läkaresällskapet garden and Annex

Tuesday, June 11, 2024

| 07:30 | ESTROT Board meeting | |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 08:30 08:50 09:10 | Session V - Musculoskeletal tissue regeneration in children Chairmen: Ilkka Helenius, Taco J. Blokhuis Distraction osteogenesis in limb deformities - Mikko Haara Bioactive glass for benign pediatric bone lesions - Ilkka Helenius Nerve transfer and grafting for Brachial plexus birth injuries - Yrjänä Nietosvaara KYS | |
| 09:30 | Coffee Break | |
| 09:45 10:05 10:25 | Session VI - Innovative methods and techniques for treatment of bone Chairmen: Gerhard Schmidmaier, Ingo Marzi Bone scopy - Leon Mora Innovative techniques for the treatment of bone defects in maxillofacial surgery - Karri Mesimäki Implant induced ossification in cranial reconstructions - Pekka Vallittu | |
| 10:45 11:05 11:25 | Session VII - War trauma and treatment methods Chairmen: Joona Kalske, Peter Giannoudis War trauma and bone substitutes in Ukraine - Oleksandr Rikhter Large combat bone defect. Our experience of treatment - Petro Nikitin Experience in war trauma - Jan Geurts | |
| 11:45 | Break | |

Tuesday, June 11, 2024

| 12:05 | Lunch Symposium Strategies to contain the Bioglass in the cavities and avoid its dilution and diffusion in the soft tissues. How to do it well - <i>Leon Mora</i> | | | |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| 12:30 12.50 13.10 | 12.50 Co-culture strategies to study the mechanisms of tissue regeneration - Terhi Heino | | | |
| | Session IX - Treatment methods of bone tissue I | | | |
| | Chairmen: Taco J. Blokhuis, Giorgio M. Calori | | | |
| 13:40 | Algorithm of treatment of non union and crtical size bone defects, based on the innovative Nuss | | | |
| 14:00 | Classification - Giorgio M. Calori FOCA bone transport in humerus - Thomas Ibounig | | | |
| 14:20 | Polytherapy for posttraumatic long bone non-unions - <i>Taco Blokhuis</i> | | | |
| 14:40 | Bioactive glass S53P4 in the treatment of infected bone - <i>Joona Kalske</i> | | | |
| 15:00 | The Art of Bone Void Filling: Issues, Challenges, Solutions - <i>Peter Giannoudis</i> | | | |
| | | | | |
| 15.20 | Coffee Break | | | |

Tuesday, June 11, 2024

15:30 Free Paper Session

Chairmen: Chris Arts, Nina Lindfors

Session X - Treatment methods of bone tissue II

Chairmen: Simons, Peter Giannoudis

- 17:05 "Treatment options of segmental bone defect with Bioglass S53P4 what is the evidence?" Gerhard Schmidmaier
- 17.25 Single stage treatment of small-medium sized bone defects using S53P4 bioactive glass Robert Björkenheim
- 17:45 Long-term results of using bioactive glass S53P4 in the spine *Tom Asklof*

Wednesday, June 12, 2024

| | Session XI - Bone defects and bone grafts |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| | Chairmen: Gerhard Schmidmaier, Thierry Bégué |
| 08:30 | Reconstruction of severe segmental bone defects in the lower limb by structural allograft in addition to the Masquelet technique - <i>Benoit Villain</i> |
| 08:50 | |
| 08.30 | |
| 09:30 | |
| 09.50 | a single step with bioactive glass as part of the total strategy - <i>Leon Mora</i> |
| | |
| 09:50 | Award Ceremony |
| 10:10 | Coffee Break |
| | Session XII - Future challenges and the way forward |
| | Chairmen: Peter Giannoudis, Nina Lindfors |
| 10:30 | Material technology to curb AMR; the DARTBAC project - Chris Arts |
| 10:50 | Bioactive glass S53P4 what have we achieved in 30 years and what next? - Nina Lindfors |
| 11:10 | Segmental defect reconstruction an opening for a multicenter study? / Discussion - Gerhard Schmidmaier |
| | |
| 11:50 | Closure |
| | |

REGISTRATION FEES AND AWARDS

| REGISTRATION FEES (VAT included) | UNTIL 09/05/2024 | FROM 10/05/2024 |
|-----------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Medical Doctors Member | 200,00 € | 250,00 € |
| Medical Doctors Non Member | 350,00 € | € 400,00 Joining ESTROT membership (fee € 50,00) will imply 8th ESTROT Members Registration fee € 250,00 |
| Scientist, Residents and Researchers | 75,00 € | 100,00 € |
| Students and Nurses | 50,00 € | 75,00 € |
| Exhibitors | 150,00 € | 200,00 € |
| One day registration Member | 100,00 € | 150,00 € |
| One day registration Non Member | 150,00 € | 200,00 € |
| Social Reception 10 June | 80,00 € | 80,00 € |

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

The registrations will be accepted in a chronological order and must have the copy of payment

Cancellation policy: registration fees are non refundable

GENERAL INFORMATION

LOCATION

MEILAHTI BRIDGE HOSPITAL

Haartmaninkatu 4

Helsinki

Finland

REGISTRATION



ORGANIZATIONAL BUREAU



HEADQUARTERS

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