

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.

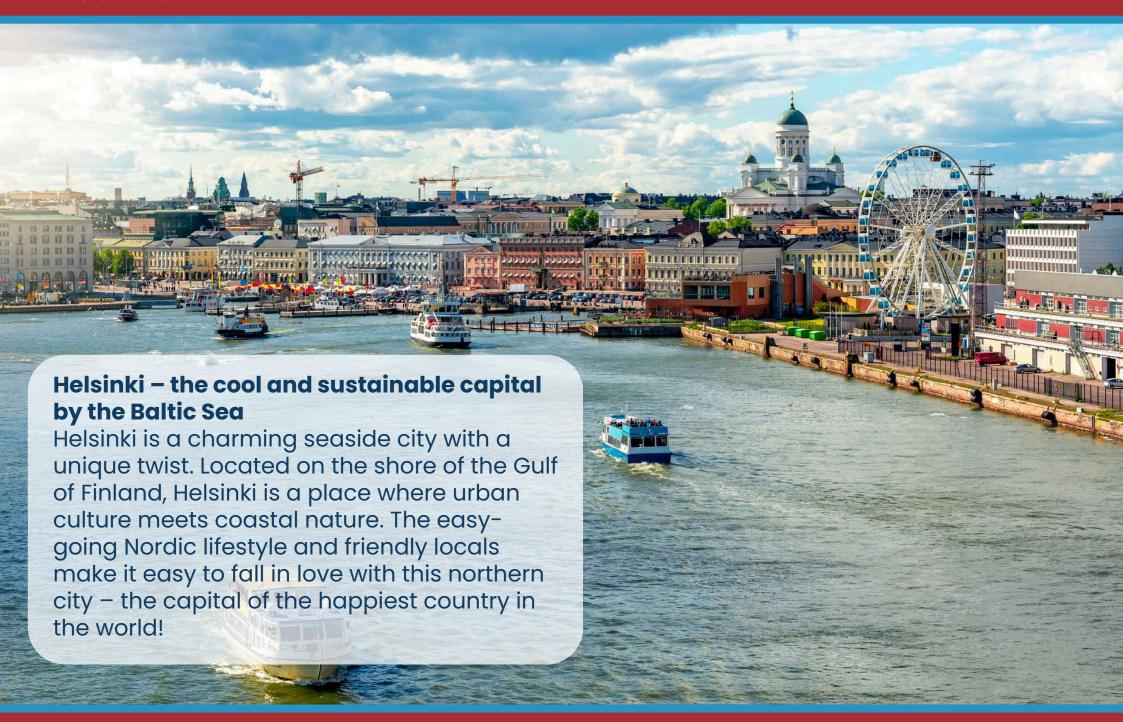
To cover all matters relating to the progress and development of the field of tissue regeneration including surgery of bone, cartilage, muscle, nerve, skin, imaging techniques, rehabilitation and other related medical specialities.

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 Kiljunen 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	Role of subchondral bone in joint cartilage regeneration - Jari Salo		
11.30	Peptide-based molecular interventions for osteoarthritis - <i>Tim Welting</i>		
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, experiences in the burn unit - 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		
	Session V - Musculoskeletal tissue regeneration in children		
08:30	Chairmen: <i>Ilkka Helenius, Taco J. Blokhuis</i> Distraction osteogenesis in limb deformities - <i>Mikko Haara</i>		
08:50	Bioactive glass for benign pediatric bone lesions - Ilkka Helenius		
09:10	Nerve transfer and grafting for Brachial plexus birth injuries - <i>Yrjänä Nietosvaara</i>		
09:30	Coffee Break		
	Session VI - Innovative methods and techniques for treatment of bone		
	Chairmen: Gerhard Schmidmaier, Ingo Marzi		
09:45	Surgical technique for intramedullary bone infections - tactics for using bone endoscopy for debridement and cavity filling with S53P4 bioactive glass - <i>Leon Mora</i>		
10:05	Innovative techniques for the treatment of bone defects in maxillofacial surgery - <i>Karri Mesimäki</i>		
10:25			
	Session VII - War trauma and treatment methods		
	Chairmen: Joona Kalske, Leon Mora		
10:45	Situation in Ukraine since the war started "We shall overcome" - Oleksandr Rikhter		
11:00	War trauma and bone substitutes in Ukraine - Oleksandr Rikhter		
11:15			
11.35	Antibiotic-resistant infections in combat injuries - Oleksandr Rikhter		
11:50	Discussion		

12:00 Lunch Break - the stairs in the Bridge Hospital Session VIII - Basic science and Tissue Regeneration Chairmen: Julian Jones, Nina Lindfors Phage therapy in orthopedic infections - Saija Kiljunen 12:30 12.50 Co-culture strategies to study the mechanisms of tissue regeneration - Terhi Heino 13.10 Supporting guided regeneration and controlling inflammation in order to replace bone defects clinically via tissue engineering - Ingo Marzi 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 Classification - Giorgio M. Calori 14:00 Fresh Osteochondral Allografts for focal cartilage lesions of the humerus - Thomas Ibounia 14:20 Polytherapy for posttraumatic long bone non-unions - Taco Blokhuis 14:40 Bioactive glass S53P4 in the treatment of infected bone - Joona Kalske 15:00 The Art of Bone Void Filling: Issues, Challenges, Solutions - Peter Giannoudis 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: Timo 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	1 7 0
09:10	Bouncy bioglass for large bone defect regeneration - Julian Jones
09:30	Management of infected failed arthroplasty in adults over 70 years of age, comprehensive management in a single step with bioactive glass as part of the total strategy - <i>Leon Mora</i>
09:50	Outcome and predictors of treatment failure in chronic osteomyelitis using bioactive glass granules and
	putty formulation - Fernando Baldy dor Reis
10:10	Award Ceremony
10:30	Coffee Break
	Session XII - Future challenges and the way forward
	Chairmen: Peter Giannoudis, Nina Lindfors
10:50	Material technology to curb AMR; the DARTBAC project - Chris Arts
11:10	Bioactive glass S53P4 what have we achieved in 30 years and what next? - from a statistically suggested
	composition to clinical success and the way forward - <i>Nina Lindfors</i>
11:30	Segmental defect reconstruction an opening for a multicenter study? / Discussion - Gerhard Schmidmaier
12.00	Closure
12.00	Ciosure

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



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