



**29th Annual Meeting
of the European Bone
and Joint Infection Society**



**Stadthalle Heidelberg | Germany
September 2–4 | 2010**

BonAlive[®] granules

for Chronic Bone Infections*

“Free Papers II” Session on Friday September 3rd at 4 p.m.

“Antibacterial Bioactive Glass S53P4 as Bone Graft Substitute in Treatment of Osteomyelitis*”

*Application for the indication claim “osteomyelitis” submitted to Notified Body in May 2010.

Nina C. Lindfors, MD, PhD, MSc
Specialist in Hand Surgery, Orthopaedic and Trauma Surgery
Helsinki Central University Hospital, Finland

Patient case

Synthetic BonAlive[®] granules
in Treatment of Osteomyelitis



preoperative

postoperative

postoperative
5 months

Lindfors, Nina C., *Bioactive glass S53P4 as bone graft substitute in treatment of osteomyelitis*, Bone 2010, in press.



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Dear colleagues

Welcome to the 29th Annual Meeting of the **European Bone and Joint Infection Society (EBJIS)**.

It is with great pleasure that we invite you to this year's session to be held at the Congress Hall in Heidelberg. The harmony of the romantic city, the beautiful castle, one of the oldest universities and the Neckar river still fascinates people all over the world.

In this overwhelming setting we plan a very interesting conference about septic problems in orthopaedic and trauma surgery. The EBJIS is the largest society in Europe in the field of Musculoskeletal Infections. A multidisciplinary approach to the problem of infection is guaranteed by Orthopaedic Surgeons, Traumatologists, Microbiologists, Infectiologists and Molecular Biologists.

Experts from all Europe, from overseas countries and from the United States will share their clinical and scientific knowledge and experience. Please participate in the most active form at this meeting.

We are looking forward to welcome you in Heidelberg for an exciting congress.

Dr. Volkmar Heppert
Congress Chairman

Prof. Dr. Christof Wagner
President of EBJIS 2009–2011

Executive committee

President: Prof. Dr. C. Wagner
Vice President: Prof. C. Romano
Past President: Prof. E. Witsoe
General Secretary: Dr. J. Stuyck
Treasurer: Dr. O. Borens
Member: Dr. C. Vogely
Member: Dr. H. Winkler
Ass. Member: Prof. Dr. K. Malizos

Scientific committee

Prof. Dr. C. Wagner
Prof. C. Romano
Prof. E. Witsoe
Dr. J. Stuyck
Dr. O. Borens
Dr. C. Vogely
Dr. H. Winkler
Prof. Dr. K. Malizos
Dr. V. Heppert
Dr. A. Soriano



9:00 am	Registration	
10:00–10:05 am	Welcome address <i>V. Heppert (Ludwigshafen, Germany)</i>	
10:05–11:25 am	S 1: Diabetic foot <i>Chairmen: E. Witsoe, M. Morcos</i>	
S 1.1	Invited lecture: The global burden of the diabetic foot <i>E. Witsoe (Trondheim, Norway)</i>	15'
S 1.2	Invited lecture: The infected diabetic foot <i>E. Peters (Utrecht, Netherlands)</i>	15'
S 1.3	Invited lecture: News from Diabetes research <i>M. Morcos (Heidelberg, Germany)</i>	15'
S 1.4	Impact of a Multidisciplinary Diabetic Foot Center on Major Amputation reduction <i>D. Freitas, R. Sousa, R. Aido, J. Muras, I. Gonçalves, R. Carvalho, L. Serra (Porto, Portugal)</i>	6'
S 1.5	Osteomyelitis and diabetic foot: A decade of clinical experience (1999–2009) in a bone and joint infection outpatient clinic <i>P. Nikou, E. Giannitsioti, S. Athanasia, A. Drakou, L. Galani, GM Gourgoulis, S. Kanellaki, E. Koratzanis, G. Koukos, P. Panagopoulos, E. Paramythiotou, D. Plachouras, V. Sakka, S. Sympardi, A. Fragou, E. Giamarellou, A. Papadopoulos, K. Kanellakopoulou (Athens, Greece)</i>	6'
S 1.6	The role of the surgery in the treatment of diabetic foot infections and peripheral arterial disease <i>N. Alikadic (Ljubljana, Slovenia)</i>	6'
	Total discussion	15'

11:25 am–12:30 pm	S 2: Free papers I <i>Chairmen: E. Meani, X. Flores Sánchez</i>	
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S 2.1	Contribution of spinal biopsy to the diagnosis of infective Spondylodiscitis <i>S. Lotric-Furlan, T. Lejko-Zupanc (Lublijana, Slovenia)</i>	6'
S 2.2	Quality of life after conservative and operative therapy for Spondylodiscitis <i>R. Sobottke, J. Siewe, K.-S. Delank, P. Eysel (Cologne, Germany)</i>	6'
S 2.3	Microbiology and clinical outcome in patients with acute flexor tendon sheath infection <i>I. Næss, E. Witsø (Trondheim, Norway)</i>	6'
S 2.4	Local pharmacokinetics and systemic exposure to vancomycin after local therapy with calcium sulphate as carrier material <i>P. Wahl, F. Livio, M. Jacobi, T. Buclin, E. Gautier (Fribourg, Switzerland)</i>	6'
S 2.5	In vivo evaluation of the effect of fracture fixation device microtopography on the development of local infection in rabbits <i>T. F. Moriarty, L. Boure, R.G. Richards (Davos, Switzerland)</i>	6'
S 2.6	Systemic exposure to tobramycin after local antibiotic treatment with calcium sulphate as carrier material <i>P. Wahl, F. Livio, M. Jacobi, T. Buclin, E. Gautier (Fribourg, Switzerland)</i>	6'
S 2.7	Septic vs Aseptic TKA Revision: Who bleeds more? <i>M. Aynardi, J. Mortazavi, M. S. Austin, P. F. Sharkey, J. Parvizi (Philadelphia, USA)</i>	6'
S 2.8	Provisional bone cement tectoplasty: How improve the dynamic spacer stability between the first and the second stage <i>X. Flores Sánchez, J. Cortina Gualdo, A. Arias Baile, M. Casaccia Destéfano, P. Corona Pérez-Cardona, C. Amat Mateu, E. Guerra Farfan (Barcelona, Spain)</i>	6'
	Total discussion	12'

12:30–1:30 pm	S 3: Septic non union <i>Chairmen: O. Borens, G. Jukema</i>	
	S 3.1 Invited lecture: State of the art in the treatment of septic non-unions <i>L. Zalavras (Los Angeles, USA)</i>	15'
	S 3.2 Clinical results of Bone Morphogenic Proteine 7 (Osigraft) in treatment of septic and aseptic long bone non-union <i>F. D. Wagner, J. Hahne, M. Militz (Murnau, Germany)</i>	6'
	S 3.3 Osteitis and bone loss in lower limb – The Ilizarow method as a salvage procedure for avoiding extremity loss <i>T. Einsiedel, A. Schmelz, F. Gebhard (Hechingen, Germany)</i>	6'
	S 3.4 Revision of 85 tibial infected nonunions with bone an soft tissue loss treated with epidermato-fascial osteoplasty according to Umiarov <i>R. Mora, A. Maccabruni, L. Pedrotti, B. Bertani, G. Tuvo (Pavia, Italy)</i>	6'
	S 3.5 Reconstruction of bony defects in the treatment of septic non-unions with the segmental transport <i>U.-J. Gerlach, C. Grimme, R. Schoop, M. Borree (Hamburg, Germany)</i>	6'
	S 3.6 Considerations on complications of circular external fixation (ilizarov) in the infected pseudo-artrhosis of tibia <i>M. A. Rosa, D. Paratore, S. Barreca, M. Accardo, M. Ciotti (Messina, Italy)</i>	6'
	Total discussion	15'

1:30–2:45 pm Break and exhibition or lunch symposium aap Implantate AG

2:45–4:30 pm	S 4: Osteomyelitis I <i>Chairmen: L. Zalavras, A. Sarvary</i>	
	S 4.1 Acute osteomyelitis – can we keep the implant? <i>V. Heppert (Ludwigshafen, Germany)</i>	15'

S 4.2 Invited lecture: Clinical use of antiseptics for prevention and treatment of surgical site infections <i>O. Assadian (Greifswald, Germany)</i>	15'
S 4.3 Ultrasound in the treatment of osteomyelitis <i>J. Stamer (Upton Wirral, United Kingdom)</i>	15'
S 4.4 A porcine model of localized acute osteomyelitis due to Staphylococcus aureus <i>L. Kruse Johansen, H. E. Jensen, P. S. Leifsson, T. Iburg, O. L. Nielsen, B. Aalbæk, D. Fress, J. Koch (Frederiksberg, Denmark)</i>	6'
S 4.5 Surgical treatment and follow-up of clavicle osteomyelitis <i>C. Grimme, R. Oheim, U.-J. Gerlach (Hamburg, Germany)</i>	6'
S 4.6 Post-traumatic osteomyelitis following tibial pilon fractures <i>F. Najarro Cid, R. Pérez-Ferri, F. Romero-Candau (Sevilla, Spain)</i>	6'
S 4.7 Simultaneous arthrodesis and limb lengthening for post-infectious knee deformities in children. The Ugandan experience at CoRSU Hospital, Kampala <i>A. Loro, F. Fulvio, J. Okello, P. Muwa (Kisubi-Kampala, Uganda)</i>	6'
S 4.8 Partial and subtotal calcaneotomy as a treatment alternative in osteitis of the calcaneum <i>A. Van Riet, J. Stuyck (Grobbendonk, Belgium)</i>	6'
S 4.9 Long Bone (Humerus) Osteomyelitis caused by Prevotella Melaninogenicus: A case report <i>P. Karampinas, M. G. Athanasopoulou, E. G. Kavroudakis, J. Vlamis (Athens, Greece)</i>	6'
S 4.10 Treatment of acute postoperative osteomyelitis by multi-staged revisions and VAC (Vacuum assisted closure)-therapy – A 3-year follow up – <i>U. Mennenga, M. Diefenbeck, P. Gückel, A. Tiemann, G. O. Hofmann (Halle/Saale, Germany)</i>	6'
Total discussion	15'

4:30–5:00 pm Break and exhibition

4:30–4:45 pm Poster session I
Chairmen: O. Borens, C. Vogely

5:00–6:30 pm **S 5: Joint infections**
Chairmen: K. Kirketerp-Möller, J. Stuyck

- S 5.1. Invited lecture: Modern treatment concepts in joint infections 15'
E. Meani (Milano, Italy)
- S 5.2. Vastus lateralis muscle flap for infected hips after resection arthroplasty 6'
A. J. Suda, V. Heppert (Ludwigshafen, Germany)
- S 5.3 Multicenter review of infected shoulder prosthesis. Where do we stand? 6'
O. Borens, C. Romano, J. Stuyck, L. Verhelst, R. Baalbaki, E. Meani (Lausanne, Switzerland)
- S 5.4 Resection arthroplasty of the shoulder as a salvage procedure for deep shoulder infection: Is the use of cement spacers beneficial for out-come? 6'
L. Verhelst, J. Stuyck, J. Bellemans, P. Debeer (Pellenberg, Belgium)
- S 5.5 Tibiocalcaneal arthrodesis after infection-related loss of the talus using a latest-generation retrograde intramedullary nail 6'
C. Kappler, A. Abdulazim, M. Kemmerer, G. Walter, R. Hoffmann (Frankfurt, Germany)
- S 5.6 Randomized study comparing the efficacy of a high-pressure pulsatile lavage and a conventional low pressure lavage during débridement for orthopaedic implant infection 6'
E. Muñoz-Mahamud, S. García, JC. Martínez-Pastor, J. A. Zumbado, J. Riba, J. Mensa, A. Soriano (Barcelona, Spain)

- S 5.7 Acute septic arthritis following arthroscopic knee surgery: A clinical study and analysis of risk factors 6'
F. J. Romero-Candau, F. Najarro Cid, R. Pérez Ferri (Sevilla, Spain)
- S 5.8 Treatment of destructive septic hip arthritis in adults 6'
D. Dovi-Akue, P. Helwig, N. P. Südkamp, H. Schmal (Freiburg, Germany)
- S 5.9 A string of infections following ACL reconstructions 6'
H. Hendriks, J. Guus (Eindhoven, Netherlands)
- S 5.10 Arthrodesis versus definitive resection arthroplasty in recalcitrant prosthetic knee infection 6'
R. Sousa, M. Massada, A. Pereira, M. Vieira da Silva, J. Costa e Castro, J. Carlos Leitão (Porto, Portugal)
- S 5.11 Results after operative treatment of joint empyemas and joint replacement infections in different locations with MRSA/ORSA colonization 6'
M. Borrée, R. Schoop, U.-J. Gerlach, C. Grimme, S. Maegerlein (Hamburg, Germany)
- Total discussion 15'

6:30–7:15 pm **S 6: Hand infection**
Chairman: V. Heppert

- S 6.1 Invited lecture: Current treatment possibilities 15'
M. Lehnhardt (Ludwigshafen, Germany)
- S 6.2 Invited lecture: The compartmental hand infections 15'
K. Malizos (Larissa, Greece)
- Total discussion 15'

7:15–10:15 pm **Get-Together Party**

Opening Ceremony:
Prof. PA. Grützner (Director of BG Unfallklinik)
Dr. V. Heppert (Head of Septic Department BGU)
Prof. C. Wagner (President of the Society)

8:30–10:00 am	S 7: Infected endoprostheses I <i>Chairmen: C. Romano, H. Winkler</i>	
S 7.1	Invited lecture: Reducing the Burden of Infection in Total Joint Replacement G. Lob (München)	15'
S 7.2	Periprosthetic Infection, Recurrence and no Pathogen to be found – Ticks of the Bugs! L. Frommelt (Hamburg, Germany)	15'
S 7.3	Bacteriology of infected total hip arthroplasty. A review of 730 cases. H. Langvatn, O. Lutro, B. Espehaug, L. Engesæter, H. Dale, J. Schrama, G. Hallan, H. Sjursen (Bergen, Norway)	6'
S 7.4	Risk factors for rifampin resistance of staphylococci causing periprosthetic joint infections Y. Achermann, M. Clauss, L. Derksen, P. Raffener, C. Zellweger, K. Eigenmann, O. Borens, W. Zimmerli, A. Trampuz (Zurich, Switzerland)	6'
S 7.5	Prosthetic Joint Infection caused by Gram Negative Organisms C. J. Fedorka, B. Zmistowski, E. Sheehan, P. F Sharkey, J. J. Purtill, J. Parvizi (Philadelphia, USA)	6'
S 7.6	Successful Identification of Infecting Pathogens in Culture-Negative Cases of PJI B. Adeli, C. Jacovides, K. Am Jung, G. Ehrlich, J. Parvizi (Philadelphia, USA)	6'
S 7.7	Incidence of infection after primary total hip arthroplasty: Combination and assessment of data from the Norwegian Infection Surveillance System and the Norwegian Arthroplasty Register H. Dale, L. Havelin, O. Furnes, L. Engesæter, F. E. Skjeldestad, H. L. Løwer (Bergen, Norway)	6'
S 7.8	Silver coated megaendoprostheses enable limb salvage in chronic deep periprosthetic infections – A review of 12 cases T. Lovse, S. Egner, C. Wibmer, J. Friesenbichler, A. Leithner, R. Windhager (Graz, Austria)	6'

S 7.9	Combined 99mTc-Sulesomab and 99mTc-nanocolloids bone marrow imaging for the diagnosis of infected joint replacement R. Sousa, M. Massada, A. Pereira, D. Freitas, F. Fontes, I. Amorim (Porto, Portugal)	6'
	Total discussion	18'

10:00–10:30 am Break and exhibition

10:30 am–12:15 pm	S 8: Basic science I <i>Chairmen: A. Trampuz, G. Walenkamp</i>	
S 8.1	Invited lecture: New molecular methods for the detection and identification of bacteria in orthopaedic infections W. Costerton (Pittsburgh, USA)	30'
S 8.3	Invited lecture: Host defense strategies C. Wagner (Ludwigshafen, Germany)	15'
S 8.4	Staphylococcal biofilm formation on cancellous bone grafts – An in-vitro study M. Clauss, U. Furustrand, A. Bizzini, A. Trampuz, T. Ilchmann (Liestal, Switzerland)	6'
S 8.5	Adherence of Staphylococcus aureus to non biological surfaces: Influence of human serum and plasma proteins. S. Aytaç, V. Heppert, C. Wagner, G. M. Hänsch (Ludwigshafen, Germany)	6'
S 8.6	Risk-Assessment in Septic Surgery based on Immune-Mapping. Is Success predictable? W. Mueller, U. Sack, G. O. Hofmann, A. Tiemann (Halle, Germany)	6'

S 8.7 Anti-bacterial finishing of hospital textiles for nosocomial infections prevention. An experimental study 6'
L. Drago, E. De Vecchi, F. Dell'Oro, D. Romanò, C.L. Romanò (Milano, Italy)

Total discussion 21'

12:15–1:00 pm S 9: Osteomyelitis therapy in third world countries
Chairman: G. Lob

S 9.1 Invited lecture: Osteomyelitis therapy for children in third world countries – Problems and results 20'
O. Wamsler (Gelsenkirchen, Germany)

S 9.2 Implementation of a Bone and Joint Infection Unit in a Developing Country 15'
R. Tibau, X. Manubens, N. Joshi, G. Avarez-Uria, L. Lorenzo, I. Picazo (Mataró, Spain)

Total discussion 10'

1:00–2:00 pm Break and exhibition or lunch symposium
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2:00–3:15 pm S 10: Basic science II
Chairmen: C. Wagner, A. Soriano

S 10.1 Invited lecture: N.N. 15'

S 10.2 Systemic antibiotic therapy of prosthetic joint infections 15'
A. Trampuz (Lausanne, Switzerland)

S 10.3 Induction of activation associated receptors and Toll-like receptors on activated T cells in response to persistent bacterial infection 6'
D. Kotsougiani, M. Pioch, K. Kondella, B. Prior, V. Heppert, G.-M. Hänsch, C. Wagner (Ludwigshafen, Germany)

S 10.4 Alloplastic materials and their propensity to infection 6'
R. Ballay, I. Landor, F. Ruzicka, D. Jahoda, A. Sosna (Prague, Czech Republic)

S 10.5 Maggot excretions suppress the complement system 6'
G. Cazander, C. Dorresteijn, L. Renwarin, M. W. J. Schreurs, G. N. Jukema (Den Haag, Netherlands)

S 10.6 Single Nucleotide Polymorphisms in MBL2 predispose to infectious complications in polytrauma patients 6'
M. W. Bronkhorst, P. Patka, E.M.M. van Lieshout (Rotterdam, Netherlands)

S 10.7 A novel antibacterial biomaterials containing silver – Evaluation of biofilm formation under flow condition – 6'
Y. Ando, I. Noda, H. Miyamoto, Y. Yonekura, T. Shimazaki, M. Miyazaki, M. Mawatari, T. Hotokebuchi (Osaka, Japan)

S 10.8 Biomechanical testing of supercritical carbondioxide treated / gamma sterilized human cancellous bone grafts 6'
U. Burner, K. Kaudela, C. Bonfert, J. Schwiedrzik, E. Dall'Ara, P. Zysset, H. Winkler (Wels, Austria)

Total discussion 9'

3:15–3:45 pm Break and exhibition

3:15–3:30 pm Poster session II
Chairmen: O. Borens, C. Vogely

3:45–4:00 pm EBJIS Fellowship
Chairman: K. Malizos

EBJIS Travelling Fellowship: First records

4:00 – 5:30 pm

S 11: Free papers II

Chairmen: G. Schmidmaier, C. Wagner

- S 11.1 Antibacterial bioactive glass S53P4 as bone graft substitute in treatment of osteomyelitis 6'
N. Lindfors, P. Hyvönen, M. Nyyssönen, M. Kirjavainen, J. Kankare, E. Gullichsen, J. Salo (Helsinki, Finland)
- S 11.2 Next generation antibacterial HA coating? In vitro and in vivo study of osteoconductivity? 6'
I. Noda, Y. Ando, H. Miyamoto, T. Shimazaki, Y. Yonekura, M. Miyazaki, M. Mawatari, T. Hotokebuchi (Osaka, Japan)
- S 11.3 Prevention of fungus infections in silver-coated tumoural prosthesis: experimental in vitro study, preliminary reports. 6'
M. A. Rosa, M. Sanguinetti, S. Mauro, S. Barreca, L. Fisichella, G. Maccauro (Messina, Italy)
- S 11.4 The value of pre-operative percutaneous bone-prosthesis interface biopsy (BPIB) in the diagnosis of an infected prosthetic joint: a retrospective preliminary study. 6'
E. Gil Rodriguez, J. Roman Verdasco, P. Salvador Corona Pérez-Cardona, C. Amat Mateu, E. Guerra Farfan, X. Flores Sanchez (Barcelona, Spain)
- S 11.5 Two stage treatment of infected megaprotheses for bone tumors: An update of the Rizzoli experience and a new proposed protocol for anti-biotic prophylaxis 6'
P. Ruggieri, A. Angelini, A. Maso, E. Pala, T. Calabrò, M. Romantini, G. Drago, M. Mercuri (Bologna, Italy)
- S 11.6 New Diagnostic Criteria for Periprosthetic Joint Infection: The Importance of WBC Count and PMN% in the Joint Aspirate 6'
K. Am Jung, J. Parvizi, C. Jacovides, B. Zmistowski (Philadelphia, USA)

- S 11.7 Does post-operative fever have any relationship to periprosthetic joint infection? 6'
C. Restrepo, P. Hansen, K. Kent, B. Zmistowski, J. Parvizi (Philadelphia, USA)
- S 11.8 The new model of PCR diagnostic scheme for individual choice of infected arthroplasty treatment method 6'
D. Jahoda, T. Hudec, D. Pokorn, I. Landor, M. Hein, A. Sosna (Prague, Czech Republic)
- S 11.9 Combined Positron Emission Tomography using Gallium 68 with Computed Tomography and use of Antibiotic containing Hydroxyapatite Pallets in the treatment of bone infections 6'
C. Errani, E. Staals, A. Toscano, A. Biazzo, N. Ali, A. Angelini, E. Pala, G. Guerra, C. Nanni, S. Fanti, P. Ruggieri, M. Mercuri (Bologna, Italy)
- S 11.10 Using the RIA Device. Our Initial Experience 6'
T. Mut, S. Cervelló, F. Lucas, I. Moreno, S. Burguet (Valencia, Spain)
- S 11.11 Risk factors in treatment of chronic infection in total knee arthroplasty in patients with serious systemic disease 6'
R. Paetzold, U. Spiegl, J. Friederichs, M. Militz, V. Bühren (Murnau, Germany)
- S 11.12 Management of wound complications after total knee arthroplasty 6'
G. Fuhrmann (Stolzalpe, Austria)
- Total discussion 12'

5:30 – 7:00 pm **General assembly**

8:30 pm **Gala dinner**

8:00–9:15 am

S 12: Free papers III

Chairmen: *B. Lehner, U.-J. Gerlach*

- S 12.1 Two-stage Reimplantation with Applicationspacer for Antibiotics in Septic Total Arthroplasty 6'
H. Thabe (Bad Kreuznach, Germany)
- S 12.2 Analysis of the 18 (7%) Failed Cases in 282 One Stage Exchanges for Periprosthetic Infection of the Hip- and Kneejoint 6'
J. Wodtke (Hamburg, Germany)
- S 12.3 Interdisciplinary two stage revision procedere for prosthetic joint infection 6'
S. Gravius, M. D. Wimmer, T. Hoppe, S. Petersdorf, N. Kraska, G. Pagenstert (Bonn, Germany)
- S 12.4 Risk factors for failed infectious salvage in cases of chronic prosthetic hip infections 6'
U. Spiegl, R. Pätzold, J. Friederichs, M. Militz, V. Bühren (Murnau, Germany)
- S 12.5 Success of two-stage hip revision for infection in patients treated with previous irrigation and debridement 6'
B. Zmistowski, A. Carter, J. Parvizi, S. Nannapaneni, M. S. Austin, J. J. Purtill (Philadelphia, USA)
- S 12.6 Success of Repeat Two-Stage Revision for Periprosthetic Joint Infection of the Hip 6'
J. Mortazavi, J. T. O'Neil, B. Zmistowski, M. S. Austin, J. J. Purtill, J. Parvizi (Philadelphia, USA)
- S 12.7 Short Term Results of a New Modular Spacer Arthrodesis in Large Bone Defects after Failed Knee Arthroplasty 6'
R. Wetzel, L. Rabenseifner (Baden-Baden, Germany)
- S 12.8 Two-Stage Revision Arthroplasty Due To Reinfection After Septic Hip Revision Arthroplasty – A Retrospective Analysis 6'
A. Abdulazim, C. Kappler, M. Kemmerer, G. Walter, R. Hoffmann (Frankfurt/Main, Germany)

Total discussion

15'

9:15–10:35 am

S 13: Biomet Award Session

Chairmen: *C. Wagner, C. Vogely, E. Witsoe*

- S 13.1 Antibacterial efficacy of new gentamicin-releasing coatings for cementless prostheses 6'
D. Neut, R. Dijkstra, J. Thompson, H. van der Mei, H. Busscher (Groningen, Netherlands)
- S 13.2 Bacterial resistance development in infected total hip arthroplasties in Norway 6'
O. Lutro, H. Langvatn, L. B. Engesæter, J. C. Schrama, G. Hallan, H. Dale, B. Espehaug, H. Sjrursen (Bergen, Norway)
- S 13.3 Incidence and risk factors of in-hospital surgical site infection after primary total hip and knee arthroplasty 6'
L. Poultsides, Y. Ma, A. Gonzalez Della Valle, Y.-L. Chiu, L. Gaber-Baylis, M. Mazumdar, T. P. Sculco, S. G. Memtsoudis (New York, USA)
- S 13.4 Results of 688 revisions for infected THA in the Norwegian Arthroplasty Register 6'
L. B. Engesæter, H. Dale, J. Schrama, O. Lutro, H. Langvatn, S. Atle Lie, G. Hallan (Bergen, Norway)
- S 13.5 Early diagnosis of infection by detection of microbial heat production in sonication fluid of removed implants – A pilot study 6'
J. Steinrück, M. Clauss, A. Bizzini, U. Furustrand, A. Trampuz, O. Borens (Lausanne, Switzerland)

- S 13.6 In vitro activity of a biofilm disaggregating substance against biofilm formed by *Staphylococcus aureus* and *Pseudomonas aeruginosa* on polythene and titanium discs 6'
E. De Vecchi, C. L. Romanò, G. Palma, L. Rovetto, L. Drago (Milano, Italy)
- S 13.7 Molecular markers for diagnosis of periprosthetic joint infection 6'
C. Jacovides, J. Parvizi, B. Adeli, K. am Jung (Philadelphia, USA)
- S 13.8 Neutrophil-derived circulating free DNA (cf-DNA/NETs) – A new diagnostic parameter for septic arthritis 6'
T. Lögters, A. Paunel-Görgülü, R. Krauspe, M. Jäger, S. Flohé, J. Windolf (Düsseldorf, Germany)
- S 13.9 Association of TLR2-R753Q polymorphism with chronic osteomyelitis 6'
A. Tsezou, F. Kostopoulou, L. Poultsides, K. N. Malizos (Larissa, Greece)
- S 13.10 Treatment of extensive osteitis with antibiotic impregnated human bone graft versus antibiotic cement in a one stage revision procedure in an animal model 6'
K.-H. Kaudela, U. Burner, C. Bonfert, R. Hruby, H. Winkler (Wels, Austria)
- Total discussion 20'

10:35–11:05 am Break and exhibition

11:05 am – 1:00 pm S 14: Infected endoprostheses II
Chairmen: L. Frommelt, R. Ascherl

- S 14.1 Ten reasons for second stage revision 15'
C. Romano (Milano, Italy)
- S 14.2 One reason for single stage revision – or more 15'
H. Winkler (Wien, Austria)

- S 14.3 Advantages with PCR of Biofilm in diagnostics of prosthetic infection. 6'
A. J. Suda, M. Kommerell, H. K Geiss, F. Zeifang, B. Lehner (Heidelberg, Germany)
- S 14.4 Two-Stage Exchange Arthroplasty for Infected Total Hip Arthroplasty: Are the results as good as they seem? 6'
A. Carter, W. Arnold, E. Davis, K. Azzam, J. Parvizi (Philadelphia, USA)
- S 14.5 Characteristics and outcome of knee prosthetic joint infections: A 10-year cohort study 6'
M. Vauthey, R. Baalbaki, A. Trampuz, O. Borens (Lausanne, Switzerland)
- S 14.6 Efficacy of Irrigation and Debridement for Acute Post-Operative, Acute Hematogenous and Chronic Periprosthetic Joint Infection 6'
L. Koyonos, B. Zmistowski, C. J. Fedorka, J. J. Purtill, P. F. Sharkey, J. Parvizi (Philadelphia, USA)
- S 14.7 Predictors of Successful Reimplantation of Two-Stage Revision of Total Knee Arthroplasty for Periprosthetic Infection 6'
D. Vegari, A. Ho, B. Zmistowski, W. J. Hozack, M. S. Austin, J. Parvizi (Philadelphia, USA)
- S 14.8 Results of treatment of deep infection of 25 total knee prostheses by debridement and local antibiotics with prosthesis in situ. 6'
J. Geurts, D. Janssen, G. Walenkamp (Maastricht, Netherlands)
- S 14.9 Comparison of various methods for femoral fixation of custom-made hip spacers 6'
K. Anagnostakos, J. Jung, E. Schmitt, J. Kelm, N. Schmid (Homburg/Saar, Germany)

S 14.10 Two-stage total hip arthroplasty for infection: Instability is a major problem B. Moore, J. Mortazavi, C. Restrepo, J. Parvizi, W. J. Hozack, P. F. Sharkey (Philadelphia, USA)	6'
S 14.11 Preformed spacer and uncemented prosthesis for two- stage treatment of septic hip arthritis: a valuable option C. Romanò, E. Meani, D. Romanò, N. Logoluso, A. Elia (Milano, Italy)	6'
S 14.12 Gait of patients with preformed, articulated, knee spacers is similar to that of normal subjects walking at low-speed N. Logoluso, G. Melegati, C. Champlon, C. Romanò (Milano, Italy)	6'
S 14.13 Diagnosis of Periprosthetic Joint Infection: The Role of a Simple, yet Unrecognized, Enzyme J. Parvizi, K. Azzam, C. Jacovides, V. Antoci, E. Ghanem (Philadelphia, USA)	6'
Total discussion	20'

1:00–1:30 pm

S 15: Outlook EBJIS
Chairman: V. Heppert

S 15.1 EBJIS – Study group on implant infections A. Trampuz, C. Wagner (Lausanne, Switzerland / Ludwigshafen, Germany)	15'
S 15.2 The Danish approach to conquer bacterial biofilm K. Kirketerp-Möller (Kopenhagen, Denmark)	15'

1:30–2:00 pm

Closing ceremony

Biomet Awards

2:00 pm

Farewell soup



TRUELOK AND ISKD



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Reconstruction

- P1 Early detection of biofilm by measuring the impedance between interdigital electrodes
T. Judl, D. Jahoda, A. Zikmund, P. Ripka, I. Landor, A. Sosna (Prague, Czech Republic)
- P2 Comparison of the resection arthroplasty with two-stage reimplantation in the treatment of the infected total hip arthroplasty
P. Sponer, T. Kucera, J. Srot, D. Zitko (Hradec Kralove, Czech Republic)
- P3 Functional status of the patients treated with articulating spacer between first and second stage in the treatment of total knee arthroplasty infection
J. C. Martinez-Pastor, F. Vilchez, E. García, E. Muñoz, JM Segur, L. Lozano, D. Popescu, F. Maculé, S. Sastre, P. Torner, O. Ares, A. Soriano, S. García (Barcelona, Spain)
- P4 Risk Factors of Prosthetic Joint Infections with Reference to the Anatomical Site
T. Peel, M. Dowsey, J. Daffy, K. Buising, P. Stanley, P. Choong (Melbourne, Australia)
- P5 The value of knee aspiration before second stage in revision of infected total knee arthroplasty
A. Oller, J. Torrent, A. Matamala, D. Haro, L. Gomez, E. Cuchi, F. Angles (Barcelona, Spain)
- P6 A non-infectious necrotizing fasciitis after snake bite. Case report
I. López Zabala, A. Zumbado, P. Camacho, M. Raigosa, J. Ballesteros (Barcelona, Spain)
- P7 Bone Reconstruction in Childhood
L. Hobohm, S. F. Baumbach, G. E. Wozasek (Vienna, Austria)
- P8 Callus distraction after bone resection in patients with chronic osteomyelitis: A comparison of three operative procedures
L. M. Schoeneberg, A. H. Tiemann, G. O. Hofmann (Halle, Germany)
- P9 Chronic infection of soft tissue by Brucella
R. Morro, C. Amat, S. Álvarez, P. Corona, E. Guerra, I. Centelles, X. Flores (Barcelona, Spain)

- P 10 Disseminated echinococcosis with spinal involvement – Report of two cases
B. Pecavar, T. Lejko Zupanc, B. Matos, S. Lotri-Furlan, L. Vidmar, J. Koder (Ljubljana, Slovenia)
- P 11 Infectious spondylodiscitis in our area (2000–2001)
F. Malagelada, R. Tibau, J. Sánchez, M. Font, A. Jimenez, X. Oncins, R. Sales (Mataró, Spain)
- P 12 Is the coated silver prosthesis the solution for infected arthroplasty?
S. Cervelló, T. Mut, I. Moreno, S. Burguet, F. Lucas (Valencia, Spain)
- P 13 Psoas abscess in heroin addict – A case report
S. Zagorac, A. Lesic, I. Milosevic, G. Damjanovic, M. Bumbasirevic (Belgrade, Serbia)
- P 14 Relevance of preoperative bacteriologic screening and individualized antibiotic prophylaxis in instrumented spinal surgery
O. Rodríguez, C. Pigrau, S. Nuñez, F. Pellise, J. Bagó, J. Casmitjana, J.M. Sanchez, C. Villanueva (Barcelona, Spain)
- P 15 Sternal osteomyelitis: A 10-year experience (1999–2009) from an outpatient infectious diseases clinic
S. Athanasia, E. Giannitsioti, A. Drakou, L. Galani, G.-M. Gourgoulis, S. Kanellaki, E. Koratzanis, G. Koukos, P. Nikou, P. Panagopoulos, E. Paramythiotou, D. Plachouras, V. Sakka, S. Sympardi, A. Fragou, H. Giamarellou, A. Papadopoulos, K. Kanel-Iakopoulou (Athens, Greece)
- P 16 Treatment of infect situations of the hindfoot and lower limb
O. Weber, S. Gravius, G. Pagenstert, M. Mueller, D. C. Wirtz, C. Burger (Bonn, Germany)
- P 17 Acute and cronic osteomyelitis
D. Papa, R. Ariano, R. Lagorio, M. Lagorio, V. Lagorio, M. Bock, S. Maxena, G. Villani, P. Buffa, A. Dusi, M. De Lucchi, L. Russo (Bordighera, Italy)
- P 18 Circulating natural IgA antibodies to angiogenin as novel immune markers for monitoring activity of therapy with transfer factor in patients with post-surgical joint prosthesis infection: Preliminary studies of 25 patients
Y. A. Savitskaya, A. Cicero, V. Escobedo, B. Alfaro, R. Tellez, A. Izaquirre, C. Ibarra (Mexico City, Mexico)

- P 19 External stabilization and dynamic splinting of pertrochanteric femure fractures – Therapeutical option of early postoperative infection in pertrochanteric fractures
F. G. Wuthe, G. O. Hofmann, A. H. Tiemann (Halle, Germany)
- P 20 Preliminary results of septic arthritis of the hip in adult people: A new procedure using parcial hip spacers and plate osteosynthesis
D. Haro Fernández, A. Oller Boix, J. Iluís Cabré Serres, A. Matamala Pérez, H. Ferrer Escobar; R. Torres Romañá, F. Anglès Crespo (Barcelona, Spain)
- P 21 Septic arthritis as a presentation of Crohn's disease
R. Zaidi, B. Dala-Ali, D. Dalton (Hounslow, Great Britain)
- P 22 Treatment and clinical outcome after infected patella osteosynthesis
O. Weber, C. Burger, S. Gravius, M. Müller (Bonn, Germany)
- P 23 Two-stage extensor mechanism allograft reconstruction after a septic patellar non-union
S. Barrera, P. Corona, C. Amat, E. Guerra, X. Flores (Barcelona, Spain)
- P 24 Infected nonunion of both distal tibias after a high energy trauma – A case report
B. Sluga (Ljubljana, Slovenia)
- P 25 A treatment strategy for complex cases of osteomyelitis in children and its applicability on two exemplary cases
S. Baumbach, L. Hobohm, G. Wozasek (Vienna, Austria)
- P 26 Introduction of a multinational registry for spondylodiscitis and HIV
J. Siewe, J. Vehreschild, K. Zarghooni, T. Kaulhausen, G. Stein, O. A. Cornely, G. Fätgenheuer, P. Eysel, R. Sobottke (Cologne, Germany)

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Poster presentation

Size of the poster: max. height: 120 cm, max. width: 95 cm

Area: Poster exhibition area in the main lecture hall

Set-up: Thursday, September 2, at the beginning of the congress
(adhesive material will be provided)

Dismantling: Saturday, September 4, directly after the congress

Presence at posters:

Poster Session I (P 1–P 13)

Thursday, September 2, 2010, 4:30–4:45 pm

Poster Session II (P 14–P 26)

Friday, September 3, 2010, 3:15–3:30 pm

In order to enable discussion and interaction with the chairs and other participants, we request the main author to be at the poster board at this time and give a two minutes lecture.

Oral presentation

Speaking Time

The chairmen of your session will be strict in allowing no more than the time allotted to your paper. Make yourself known to the chairpersons and/or the room assistant in the lecture hall at the beginning of the session.

Projection and Technical Setting

The lecture hall will be equipped with data-projection (no slides). It is essential that you load and view your presentation in the media check (Stefan George Zimmer) preferably in the morning of the day your talk is scheduled, but not later than in the break before your session. The usage of own laptops or notebooks is not allowed.

Please bring an USB-stick, CD-ROM or DVD all formatted for Microsoft Windows® (PC). You may want to carry a second disk/CD as a back-up in case there is any insoluble technical problem. Please note that all files belonging to your lecture has to be in one file folder (presentation, videos etc.) which can be played without any other codecs (WMV, MPEG 1+2, DV-AV no quicktimefilms).

File Format: Microsoft® Power Point™ presentation formatted for Windows® (PC) only. (Operating system: Windows XP®)

Preferred Resolution: XGA (1024 x 768 pixel)

Image format: 4:3



Room: Gustav-Mahler-Zimmer
All workshops are free of charge for participants.

Thursday, September 2, 2010, 1:30 – 2:30 pm

WS 1 aap Implantate AG

Chairman: Christof Wagner, MD (BGU / Ludwigshafen, Germany)

1. Osteomycin – Antibiotic impregnated bone allograft
*Karl-Heinz Kaudela, MD, Medical Director
Orthopedic and trauma surgeon
ECTB – European Cell and Tissue Bank / Vienna, Austria*

2. Jason® G – The new generation of Gentamicin collagen fleeces
*Lydia Heimann, PhD, Project Manager R&D
aap Biomaterials GmbH / Obernburg, Germany*

3. PerOssal – Efficient bone defect treatment even with infections
*Theodoros Pavlidis, MD, Assistant Medical Director
Universitätsklinikum Gießen und Marburg (UKGM)
Klinik und Poliklinik für Unfallchirurgie / Gießen, Germany*



Friday, September 3, 2010, 1:00 – 2:00 pm

WS 2 Biomet Deutschland GmbH

Infection Prevention for Cementless Joint Replacement

Chairman: V. Heppert (Ludwigshafen, Germany)

Scientific background
N. Düwelhenkel (Berlin, Germany)

Economic aspects
V. Alt (Gießen, Germany)

Clinical relevance
D. Stengel (Berlin, Germany)

Discussion



The Biomet Innovation Award will be distributed in the session on Saturday September 4, 2010, 1:30–2:00 pm.

All presenters in the award session (Saturday, September 4, 2010, 9:15–10:35 am) get the chance to win one of the prizes.

The award titles are:

1. Award for best Research project
2. Award for best Clinical Study
3. Award for very promising research study

Congress date

September 2–4, 2010

Congress venue

Stadthalle Kongresshaus Heidelberg
Neckarstaden 24
69117 Heidelberg
Germany

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Homepage

www.ebjis2010.org

Registration desk

Thursday, September 2, 2010, 9:00 am–7:00 pm
Friday, September 3, 2010, 8:00 am–5:30 pm
Saturday, September 4, 2010, 7:30 am–2:00 pm

Registration

Please register online at www.registration.intercongress.de or download the registration form from the congress website www.ebjis2010.org. After August 26, 2010 pre-registration will be closed, but you may register onsite at the registration desk at the congress hall in Heidelberg.



Congress fee

	EBJIS Member	Non Member
Doctor	€ 350,00	€ 400,00
Resident*/ Scientific Postdoc*	€ 120,00*	€ 120,00*
Student*	€ 70,00*	€ 70,00*
Accompanying person	€ 80,00	€ 80,00

(Accompanying person fee includes Welcome Reception, Farewell-Cocktail and a guided tour on Friday, September 3, 2010)

* only with document indicating training programme and level of training

Certificate of Attendance

The certificate of attendance containing all information concerning CME credits will be issued at the registration desk. It will be handed out during the meeting.

Internet

There are numerous small internet cafés throughout the city. There will be two computers with internet access in the Stefan-George-Zimmer next to the media check.

Coffee breaks and lunch

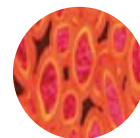
During the session breaks refreshments (coffee, tea, water and snacks) will be served free of charge to participants wearing name badges.

Abstracts

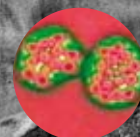
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Welcome Reception at the congress hall

Thursday, September 2, 2010, 7:15–10:15 pm

Opening Ceremony:

Prof. PA. Grützner (Director of BG Unfallklinik)
 Dr. V. Heppert (Head of Septic Department BGU)
 Prof. C. Wagner (President of the Society)

The welcome reception is only for registered participants and accompanying persons.

Guided walking tour through the old city and the castle

Friday, September 3, 2010, 2:00–4:30 pm

Walking tour through the old city of Heidelberg with its most important sights. Visit of the exterior of the castle including the castle-yard and the garden.

Meeting point is in front of the congress hall.

Extra charge: € 15,00 per person



Gala Dinner, Strahlenburg Schriesheim

Friday, September 3, 2010, 8:30 pm



Join us for a joyful evening at the old castle 'Strahlenburg Schriesheim'. The castle is surrounded in harmony by forests, meadows and almond trees and amidst vineyards rises the old castle tower of the Strahlenburg. Tickets at € 70,00 per person include dinner and drinks during the evening as well as entertainment.

Farewell Cocktail in the congress hall

Saturday, September 4, 2010, 2:00 pm

The farewell cocktail is only for registered participants and accompanying persons.

Postcongress-Tour Heidelberg

Saturday, September 4, 2010, 5:45 pm

Festive concert in the 'Heiliggeistkirche' (Church of the Holy Spirit) on market square, afterwards dinner in a traditional restaurant and view of the extremely beautiful illumination of the Heidelberg Castle. This illumination is only three times a year! Number of participants is limited.

Meeting point is in front of the 'Heiliggeistkirche'.



We would like to thank all partners and exhibitors for their support and commitment.

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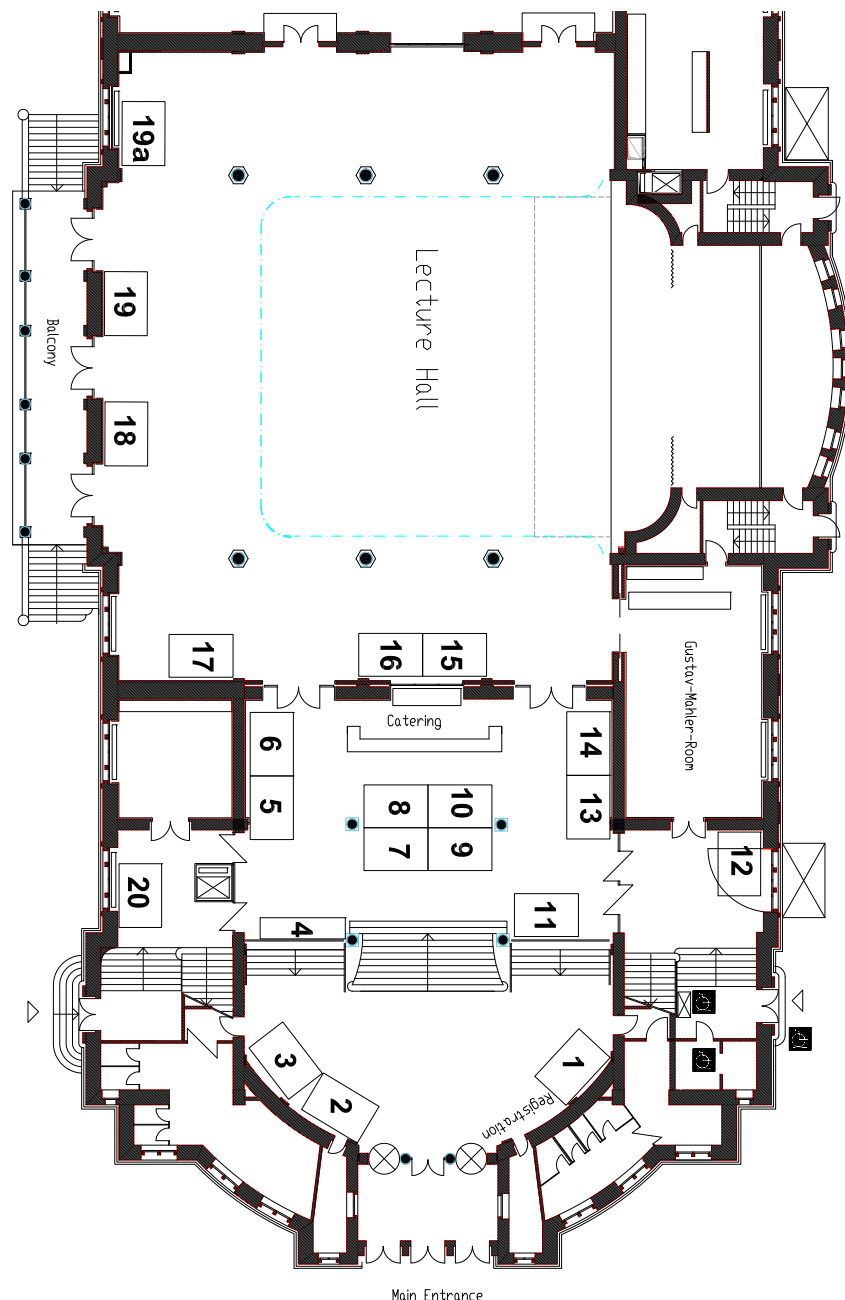
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Infection Prevention for Cementless Joint Replacement

- Scientific background
- Economic aspects
- Clinical relevance

Speakers:

PD Dr. Dr. Volker Alt
PD Dr. Dirk Stengel
Nicole Düwelhenke

Chairman:

Dr. Volkmar Heppert

Date:

3rd September 2010
13:00 - 14:00

Location:

Gustav-Mahler-Zimmer

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