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**X. Diabetic Foot Study Group Meeting
Seminaris See Hotel, Berlin-Potsdam, Germany
28. - 30. September 2012**

The Executive Committee of the DFSG extends an extremely warm welcome to you to DFSG 2012 in historic Berlin-Potsdam.

Please wear your badge *at all times* during the next 3 days. This gives you access to all conference facilities and is your voucher for free tea and coffee in the breaks; as well as entrance to the evening events.

Please make sure you keep an eye on the board in the main hall of the **Seminaris See Hotel** and listen to announcements given out during the conference day so that you are aware of any changes to the programme.

Please pay for phone calls or extra drinks, not included in your package, when you leave. Bills not paid will be forwarded to you for later payment. Please keep to the check-out time.

For Oral Poster, Poster Case Report and Poster presenters: the number of your poster can be found on the poster board in the designated poster area. Please affix your poster soon after you arrive so that this may be viewed over the **3 days**; and make sure you **remove** it on **Sunday, 30. September** at the end of the conference day.

If you require a **certificate of attendance** for the meeting see E. Stamm. If you have successfully presented an abstract, as an author, at this meeting and would like to become a **member of DFSG** please see E. Stamm. This **cannot** be arranged once you have left the conference.

Dress code:

WELCOME Event (Fri. 28. Sept) - casual/smart
GALA Dinner (Sat. 29. Sept) - smart/festive

If you have any questions or need help at any time during the conference please contact *Eve Stamm* at the DFSG meeting desk situated in the main hall. If she is not at the desk you can call her day and night on her mobile phone. 0049 172 6903700.

**Have a wonderful conference
and a very pleasant stay in Germany**

DFSG Executive Committee Members 2012



E. Jude - GB



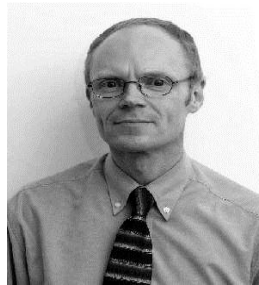
R. Lobmann - D



K. Kirketerp-Moller - DK



K. Van Acker - B



N. Baker - GB



A. Korzon-Burakowska - PL



N. Tentolouris - GR



N. Petrova - GB



O. Udovichenko - RUS



E. Stamm - Secretary



**DIABETIC FOOT STUDY GROUP of the EASD
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LOCAL ORGANISING COMMITTEE
Dr. Ralf Lobmann and team - Germany

DFSG SECRETARY
Eve Stamm

**DIABETIC FOOT STUDY GROUP
PROGRAMME**

FRIDAY 28. SEPTEMBER 2012

10th DFSG MEETING Seminaris See Hotel, Berlin-Potsdam, Germany

08:00 - 10:00 EXECUTIVE Committee MEETING

12:00 onwards Meeting Desk open

14:00 WELCOME - E. JUDE (G.B.) & R. LOBMANN (D)

14:30 - 16:00 ORAL PRESENTATIONS

**WOUND HEALING & FOOT ULCERS
(6 Oral Abstracts O1 to O6)
Chairs: K. Van Acker (B) & N.Tentolouris (GR)**

14:30 CATRINA S.-B. et al. (S) Notch signaling is activated in diabetes and contributes to defective wound healing

14:45 LÖFFLER M. et al. (D) Characterization of the Diabetic Foot Ulcer Microenvironment by Assessment of Wound Fluid Cytokines, Chemokines and Soluble Receptors

15:00 VISVANATHAN V. et al. (India) Stromal cell- derived factor (SDF-1 β) gene polymorphism and their association with DFU: An Asian Indian population study

15:15 PAPAIOKONONOMOU S. et al. (GR) The association of A3872G CRP gene polymorphism on hs-CRP levels and diabetic foot in patients with type 2 diabetes mellitus

15:30 DUBSKY M. et al. (CZ) Comparison of nanofibers scaffolds and acellular porcine dermis in wound healing - experimental study

15:45 BOTUSAN I.R. et al. (S) Wound healing rate is not impaired in mice with deficiency of liver-derived insulin-like growth factor-I (IGF-I)

16:00 - 16:30 COFFEE/TEA BREAK

16:30 - 18:00 PAD
(6 Oral Abstracts O7 to O12)
K. Kirketerp-Moller (DK) & P. Holstein (DK)

16:30 GIURATO L. et al. (I) Outcomes after PTA in diabetic patients with Critical Limb Ischemia according to Chronic Kidney Disease classes

16:45 JONES N.J. et al. (GB) Skin perfusion pressure: an important predictor of lower limb ischemia in the renal failure population

17:00 MELONI M. et al. (I) Outcomes after PTA in ESRD Diabetic Patients

17:15 IACOPI E. et al. (I) Percutaneous Recanalization in Diabetic Patients with Critical Limb Ischemia: Comparison between Angiographic and Clinical Results according to three different Classification Systems

17:30 YIN J.Y. et al. (China) The Effect of Beraprost Sodium on Peripheral Atherosclerosis and MMP-9, VEGF in Type 2 Diabetes Mellitus Patients

17:45 AYUBOVA N. et al. (RUS) The Tibial Arterial Calcification as a Predictor of Amputations and Outcomes of Endovascular Procedure in Diabetic Patients with Critical Limb Ischaemia

18:00 - 19:00 EXECUTIVE COMMITTEE MEETING

20:00 WELCOME EVENT - Seminaris See Hotel

SATURDAY 29. SEPTEMBER 2012

06:45 RUN (5kms) sponsored by Novo Nordisk

09:15 - 10:15 MANAGED CARE

(5 Oral Abstracts LO1 and O13 to O16)

Chairs: A. Korzon-Burakowska (PL) & R. Lobmann (D)

09:15 ANICHINI R. et al (I) Improvement of Diabetic Foot Care: Results of a 7-Year Prospective Study from the Implementation to a Global Approach

09:30 KARS M. et al. (DK) Health-related quality of life predicts major amputation and death, but not healing in people presenting with diabetic foot ulcers; the Eurodiale study

09:45 SIERSMA V. et al. (DK) The relative importance of multifactorial causes of low health-related quality of life in people with newly diagnosed diabetic foot ulcers; the Eurodiale study

10:00 FAGHER K. et al. (S) Hemoglobin A_{1c} and prolonged QTc time as risk factors for all-cause mortality in patients with type 2 diabetes and foot ulcers

10:15 FRYKBERG R.G. et al. I (USA) Limb Salvage with Syme Amputation: Experience in 54 cases

- 10:30 - 11:00** **COFFEE/TEA BREAK**
- 11:00 - 11:45** **SYMPOSIUM - Hyperglycaemia & Wound Healing**
Sponsored by Novo Nordisk - Speaker R. Lobmann (D)
- 11:45 - 12:15** **SYMPOSIUM - Fragile Foot: Protected Physical Activity**
& Upgrade on the Research on Offloading Orthotics
Sponsored by Podartis
Speakers: R. Lobmann (D) R. Frykberg (USA) C. Caravaggi (I)
- 12:30 - 13:45** **BUFFET LUNCH (FOCUS GROUP - by invitation only)**
- 13:45 - 15:00** **POSTER DISCUSSION I *Parallel Sessions***

WOUND HEALING
Chair: O. Udovichenko (RUS)

- P1 Tedeschi A. et al. (I)** The Role of EPA Detection in the Management of Chronic Diabetic Wounds: Preliminary Study
- P2 Bateman A. et al. (GB)** The treatment of chronic diabetic heel ulcers with synthetic graft application
- P3 Kerpe R. et al. (Lith)** Plantar fascia fibroma lesion confirmed by magnetic resonance imaging in diabetic foot
- P4 Slawinski C. et al. (GB)** Heel Ulcers in Diabetes Heal
- P5 Svryydov N.V. et al. (UKR)** Advanced tissue technology for wound healing in cases of Diabetic Foot Syndrome
- P6 Vaeggermose M. et al. (DK)** Tissue Classification and a Volumetric Model of the Foot from Magnetic Resonance Imaging

INFECTION
Chair: S. Morbach (D)

- P7 Da Porto A. et al. (I)** Acute diabetic foot infections: two years experience of a Diabetic Foot Center
- P8 Bublik E. et al. (Russ)** Analysis of wound cultures from infected diabetic foot ulcers
- P9 Bradford S. et al. (GB)** The value of deep operative specimens and blood cultures in the assessment of infected diabetic feet

P10 Costa A.L. et al. (PORT) Epidemiological survey of microbiological profile of diabetic foot infection in an outpatient Diabetes center in Portugal. The role of potentially multiresistant bacteria

P11 Jardan D. et al. (Rep Moldova) Antimicrobial treatment of the diabetic foot

P12 Hanel W. et al. (D) Pilot Study on the effect of Daptomycin on IL-6, MMP-9 and TIMP-1 in patients with MRSA-infected diabetic foot stage 2 and 3

P13 Modha D. et al. (GB) A drop in haemoglobin during treatment with linezolid. More common than we thought!

P14 Jonker L. et al. (NL) Decrease in prevalence of clindamycin resistant Staphylococcus aureus after implementation of antibiotic regime

P15 Hazenburg C.E.V.B. et al. (NL) Assessment of signs of foot infection using photographic foot imaging in diabetic patients with clinical suspicion of infection

P16 Wosková V. et al. (CZ) Could be coagulase-negative Staphylococcus a causative pathogen of chronic osteomyelitis in patients with diabetic foot?

SCREENING & OFFLOADING

Chair: L. Uccioli (I)

P17 Hurley L. et al. (IR) Vascular, sensory and renal function in patients attending community-based foot screening: results from the West of Ireland Diabetes Foot Study

P18 Garrow A.P. et al. (GB) Fluctuating sensorimotor responses in routine foot screening assessments results from the West of Ireland Diabetes Foot Study

P19 Bernaz E. Et al. (Rep Moldova) Surgical treatment of the suppurative-necrotic focus in neuropathic diabetic foot

P20 Kim B-K. et al. (Korea) Analysis of several factors affecting the result of free flap transfer in the treatment of necrotizing soft tissue defect in diabetic foot

P21 Papanas N. et al. (GR) Reduced well-being index in patients with diabetic foot, especially in those with neuroischaemic ulcer: A pilot study

P22 Giacomozzi C. et al. (I) An innovative use of limb prosthetic gel to manage Diabetic Foot Pressure

P23 Sukhorutchenko M. et al. (RUS) Efficacy of Marteeni cast in diabetic heel ulcers

P24 Arts M.L.J. et al. (NL) Perceived usability of therapeutic footwear in diabetic patients with neuropathy and prior foot ulceration

MANAGED CARE I
Chair: A. Jirkovska (CZ)

P25 Berrington R. et al. (GB) Admission avoidance by introduction of a home intravenous antibiotic service

P26 Bhatti T. et al. (GB) Joint Working Towards the Development of an Integrated Foot Service

P27 Lemos E. et al. (PORT) Diabetes care educational programme impact on HbA1c, diabetic foot knowledge and care

P28 Scheving U. et al. (DK) To see the footprint of the patient - how diabetes patients experience the first consultation at the diabetic foot clinic. A qualitative study.

LP2 Liang J. et al. (China) Multidisciplinary treatment for diabetic foot ulcer can reduce patient's length of stay and the rate of amputation.

P29 Fortington L. et al. (NL) Lower limb amputation in Northern Netherlands: incidence and mortality

15:00 - 15:30 **COFFEE/TEA BREAK**

15:30 - 16:30 **ORAL CASE REPORTS**
Chairs: M. Spraul (D) & R. Frykberg (USA)

OCR 1 IZADI E. et al. (GB) Important lessons from a rare case of Charcot osteoarthropathy of the wrist in a diabetic patient with bilateral Charcot feet

OCR 2 VENEROVA J. et al. (Czech Rep) Healing of diabetic defect in patient with PAD and deficiency in Hageman factor (FXII)

OCR 3 HTIKE Z. et al. (GB) Mycotic infection in protracted diabetic foot ulcer

OCR 4 RAJENDRAN R. et al. (GB) Digital gangrene and delayed wound healing following amputation in a diabetic foot may not be diabetes-related

16:30 - 18:00 **Presentation of 4 top Orals and 4 top Posters**
to be judged for prize giving
Chairs: A.J. Boulton (GB) & N. Schaper (NL)

Prize O1 TENTOLOURIS N. et al. (GR) The association of the IL6174GC polymorphism with diabetic neuropathy in patients with type 2 diabetes mellitus

Prize O2 PETROVA N. L. et al. (GB) The proinflammatory cytokine TNF- α modifies the resorptive behaviour of newly generated osteoclasts in vitro from patients with acute Charcot osteoarthropathy

Prize O3 **ABBAS Z.G. et al. (TAN)** Intravenous antimicrobial therapy of diabetic foot ulcers: An effective outpatient program in Tanzania

Prize O4 **RUOTOLO V. et al. (I)** A new natural history of Charcot foot: clinical evolution and final outcome of Stage 0 Charcot's Neuroarthropathy in a tertiary care foot clinic. F-18 FDG PET/TC scan: a useful tool in diagnosis and follow-up of acute Charcot foot

POSTERS

Prize P1 **FEDOROVA O.S. et al. (RUS)** The association between specific somatosensory loss and deterioration of balance in individuals with diabetes mellitus

Prize P2 **SOSALE B. et al. (India)** Peripheral Arterial Disease (PAD) in patients with type 2 diabetes (T2DM) in South India - The urban vs. rural divide:

Prize P3 **MALONE M. et al. (Australia)** Wound swabs and bone biopsy in diabetic foot osteomyelitis

Prize P4 **BONDARENKO O et al. (RUS)** Limitations of Transcutaneous Oximetry in the Evaluation of Vascular Status in Diabetic Patients with Critical Limb Ischemia Before and After Endovascular Treatment

18:00 - 19:00 **Business Meeting and Assembly**
Elections for New Executive Committee Members

20:00 **GALA DINNER - Seminaris See Hotel**

SUNDAY, 30. SEPTEMBER 2012

09:00 - 10:15 **INFECTION**
(5 Oral Abstracts O17 to O21)
Chairs: M.E. Edmonds (GB) & F. Game (GB)

09:00 **BEM R. et al. (CZ)** Ozone and maggot therapy acutely eliminate bacteria strains in patients with infected diabetic foot ulcers

09:15 **FEJFAROVA V. et al. (CZ)** Immune Functions in Patients with Diabetic Foot Ulcers Infected Especially by Resistant Microorganisms

09:30 **LAUWERS P. et al. (B)** Evaluation of SPECT/CT as a new imaging technique in patients with diabetic foot infections

09:45 **EDMONDS M.E. et al. (GB)** What happens to diabetic patients who are admitted to hospital with foot infection and what determines their outcome?

10:00 BROCCO E. et al. (I) Three-step surgical intervention for calcaneal osteomyelitis: an useful tool to prevent limb amputations

10:15 - 11:00

ORAL POSTERS

Chair: V. Urbancic-Rovan (SLO)

OP 1 SOARES-MONTEIRO M. et al. (PORT) Using diabetic foot ulcer development risk stratification systems for the wound healing prediction

OP 2 REEVES N.D. et al. (GB) Foot-Ground Interaction during walking and stair negotiation in people with diabetes and peripheral neuropathy

OP 3 MANES C. et al. (GR) Epidemiology of sudomotor dysfunction and relationship to overall nerve damage in type 2 diabetic patients .A multicenter study

OP 4 GALENDA P. et al. (I) Efficacy of Chopart amputation in the treatment of severe ischemic and infected diabetic foot

OP 5 LÔNDAHL M. et al. (S) LeucoPatch seems to improve healing of diabetic foot ulcers - outcome from an open multicenter clinical study

OP 6 GAME F. et al. (GB) Eight year outcomes of a consecutive single centre series of patients presenting with osteomyelitis of the foot in diabetes

OP 7 RASMUSSEN A. et al. (DK) Time of healing foot ulcers among patients with type 1 and type 2 diabetes have decreased in the period 2002-2010

11:00 - 11:30 COFFEE/TEA BREAK

11:30 - 12:30 SYMPOSIUM - Charcot Consensus
Speaker: R. Frykberg (USA)

12 :30 - 13:30 BUFFET LUNCH

13:45 - 15:00 POSTER DISCUSSION II - Parallel Sessions -

POSTER CASE REPORTS

Chair: E. Jude (GB)

PCR 1 MANIKANDAN R.M. et al. (GB) Severe back pain after below knee amputation- not always mechanical!

PCR 2 JOGIA R.M. et al. (GB) Use of High Purity Calcium Sulphate impregnated with Vancomycin and Gentamycin in an effort to salvage the 1st ray in a gentleman with osteomyelitis

PCR 3 HAVEKES L. et al. (NL) Quick healing of a neuropathic diabetic foot ulcer after resection-arthroplasty in a case of a patient in compliant with off-loading

PCR 4 SPRATT J. et al. (GB) Potential Pitfalls During Pregnancy with Diabetic Neuropathy

PCR 5 EI MASSRY S. et al. (Egypt) Looking for Integrated Diabetic Foot Care Clinic. Skin problems in the stump of lower limb amputee

PCR 6 GOT I. et al. (F) How an asymptomatic peripheral arterial occlusive disease broke out in a diabetic patient and was treated

PCR 7 NISAL K. et al. (GB) Battling on after 8 years of Charcot arthropathy and osteomyelitis - patient's choice

PCR 8 MORTELMANS D. et al. (B) Hyperbaric Oxygen therapy as additional treatment option in a patient with chronic refractory osteomyelitis

POSTERS AMPUTATION

Chair: S. Rajbhandari (GB)

P30 Hochlenert D. et al. (D) Low Major Amputation rate and low Recurrence in Networks for Treatment of the DFS

P31 Mygind K. et al. (DK) Obstacles and rewards in establishing a multidisciplinary Amputation unit

P32 Coppelli A. et al. (I) Diabetic Foot Surgery Performed by Diabetologist in a Third-Level Centre: Results of Ten Years of Activity

P33 Bowling F.L. et al. (GB) The Incidence of Lower Extremity Amputations due to Diabetic Foot Disease in Two Saudi Arabian Sister Hospitals

P34 Von Fragstein G. et al. (GB) Functional outcome of patients undergoing major amputation for disease of the foot in diabetes

LP3 Wang A. et al. (China) Clinical characteristics and medical costs of diabetic patients with amputation at central urban hospitals in China

P35 Ranasinghe U. et al. (GB) Multidisciplinary foot clinic reduces diabetic lower limb amputation but cannot prevent it completely

LP5 Zarechina V. et al. (RUS) Life quality of diabetic foot patients after different types of amputations

MANAGED CARE II
Chair: C. Manes (GR)

- P36 Udovichenko O. et al. (RUS)** Surprisingly high prevalence of depression and anxiety in diabetic patients with lower extremity pains
- P37 Gardiner P. et al. (IR)** Podiatric Needs and Associations of Patients with Diabetes on Renal Replacement Therapy
- P38 Galkina N. et al. (RUS)** Depression and anxiety prevalence in patients of diabetic foot care department
- P39 Dziemidok P. et al. (PL)** Does glycemic control have indeed an impact on the advancement of diabetic neuropathy in patients with long term established diabetes?
- P40 Glindorf M. et al. (DK)** PAID and WHO-5 are valuable tools to disclose problem areas in poorly controlled diabetes patients with foot complications.
- P41 Tsvetkova T. et al. (RUS)** Geometric parameters based on plantar pressure measurements in patients with diabetes

OSTEOMYELITIS & CHARCOT
Chair: K. Van Acker (B)

- P42 Da Ros R. et al. (I)** Sequestrectomy in diabetic foot osteomyelitis
- P43 Garcia-Morales E. et al. (E)** Validation of different clinical diagnostic test
- LP6 Hinchcliffe R. et al. (GB)** The association of ulceration of the foot with cardiovascular and all-cause mortality in patients with diabetes: a meta-analysis
- P44 Koehler G. et al. (A)** The Outcome of the Charcot Foot in a tertiary centre in Austria in the years 2005-2010.
- P45 Bregovskiy V. et al. (RUS)** Different patterns of the Charcot foot in a out-patient diabetic cohort
- P46 Khan D. et al. (GB)** Long term outcomes of Charcot neuroarthropathy (CNA)

PAD & NEUROPATHY
Chair: R. Lobmann (D)

- P47 Das A K et al. (India)** Impact of yoga-based lifestyle intervention for distal symmetric polyneuropathy associated with type 2 diabetes mellitus
- P48 Goyal G. et al. (India)** Calcification of peripheral arteries in long standing diabetes (> 10 years duration) and its correlation with coronary artery disease.

P49 Pithova P. et al. (CZ) Revascularization is important in patients with neuroischemic diabetic ulcers

P50 Nielsen A.M. et al. (DK) Are transcutaneous oxygen tension (TcPO₂) measurements reproducible? - and is TcPO₂ and Toe Blood Pressure (TBP) good to predict the risk of amputation for diabetic patients with foot ulcers?

P51 Eleftheriadou I. et al. (GR) Screening for peripheral arterial disease in diabetes

P52 Tesic D.S. et al. (SER) Evaluation of Neuropad in patients with end-stage renal disease under haemodialysis or with renal transplantation

P53 Meana-Esteban A. et al. (GB) The role of physical activity in rehabilitation to modify the risk of foot problems in patients with diabetic peripheral neuropathy.

P54 Urbancic-Rovan V. et al. (SLO) Screening for neuropathy - do additional testing methods make sense?

15:00 - 16:00

OFFLOADING

(4 Oral Abstracts O22 to O25)

Chairs: N. Petrova (GB) & M. Löndahl (S)

15:00 KOMELYAGINA E.U. et al. (RUS) Adherence to foot care behavior in different diabetic foot risk groups

15:15 WAAIJMAN R. et al. (NL) Adherence to wearing prescribed custom-made footwear in diabetic patients with a history of plantar ulceration

15:30 BUS S.A. et al. (NL) The effectiveness of offloading-improved custom-made footwear on plantar foot ulcer recurrence in diabetic patients: a multicenter randomized controlled trial

15:45 UCCIOLI L. et al. (I) Role of clinically available magnetic resonance spectroscopy in the quantitative assessment of disease activity in patients with acute Charcot neuroarthropathy

16:00 - 17:00

CLOSE OF MEETING - Coffee/Tea, CAKE and WINE
Have a safe trip home. Until the next DFSG meeting in 2013.