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Programme printed by Druckerei Adolph, Düsseldorf, Germany Druckerei Adolph@aol.com



XI. Diabetic Foot Study Group Meeting Meliá Sitges Hotel, Sitges, Spain 21. - 22. September 2013

The Executive Committee of the DFSG welcomes you to DFSG 2013 in beautiful Sitges, Spain.

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 Melia 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 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 latest on Sunday, 22. 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 Drinks (Fri. 20. Sept) - casual/smart GALA Dinner (Sat. 21. Sept) - smart/festive

If you have any questions or need help during the conference please contact *Eve Stamm* or other staff members at the DFSG meeting desk situated in the main hall. You can also call her on her mobile phone. 0049 172 6903700.

Have a wonderful conference and a very pleasant stay in Spain

DFSG Executive Committee Members 2013



R. Lobmann - D



K. Kirketerp-Moller - DK



N. Tentolouris - GR



N. Petrova - GB



N.Papanas - GR



K.Van Acker - B



A. Rasmussen - DK



M. Spraul - D



O. Udovichenko - RUS



E. Stamm - Secretary



DIABETIC FOOT STUDY GROUP of the EASD EXECUTIVE COMMITTEE

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Dr. Kristien Van Acker Belgium

LOCAL REPRESENTATIVE Dr. F. Javier Aragón Sánchez and team - Spain

> DFSG SECRETARY Eve Stamm

DIABETIC FOOT STUDY GROUP PROGRAMME

FRIDAY, 20. SEPTEMBER 2013

11th DFSG MEETING Meliá Sitges Hotel, Sitges, Spain

08:00 - 12:00 EXECUTIVE Committee MEETING

12:00 onwards Meeting Desk open

14:00 WELCOME R. LOBMANN (D) AND F.J. ARAGON SANCHEZ (E)

14:30 - 16:00 ORAL PRESENTATIONS

CHARCOT

(6 Oral Abstracts O1 to O6) Chairs: M. Spraul (D) and N. Papanas (GR)

14:30 KORZON-BURAKOWSKA A. et al. (PL)

Osteoprotegerin gene polymorphism in Charcot neuroosteoarthropathy

14:45 BROCCO E. et al. (I)

Limb salvage with hybrid external/internal fixator in Charcot extreme deformities: tenyears follow-up.

15:00 TANG W. et al. (GB)

Reduced quality of life in patients with acute Charcot osteoarthropathy

15:15 CHAKRAVATTY R. et al. (GB)

A Bone Scan Score to predict early Charcot arthropathy

15:30 PETROVA N.L. et al. (GB)

Novel use of a Dektak 150 profiler unmasks differences in the morphology of resorption pits between control and Charcot patient osteoclasts

15:45 BEM R. et al. (CZ)

Are diabetic patients with chronic kidney disease at higher risk for Charcot foot assessed by calcaneal ultrasonometry than patients with neuropathy?

16:00 - 16:30 COFFEE/TEA BREAK

16:30 - 18:00 ORAL PRESENTATIONS INFECTION / NEUROPATHY

(6 Oral Abstracts O7 to O12) Chairs: K. Kirketerp-Moller (DK) - B. Lipsky (USA)

16:30 TENTOLOURIS N. et al. (GR)

Serum inflammatory markers in osteomyelitis-a prospective study

16:45 ALVARO-AFONSO F.J. et al. (E)

Does the location of the ulcer affect the interpretation of the probe-to-bone test in the diagnosis of osteomyelitis in diabetic foot ulcers?

17:00 CECILIA-MATILLA A. et al. (E)

Clinical variables associated with different type of osteomyelitis in patients with diabetic foot ulcers.

17:15 REEVES N.D. et al. (GB)

Are shear forces elevated at the foot-ground interface during gait in patients with diabetic neuropathy?

17:30 KOMELYAGINA E.U. et al. (RUS)

Quality of life in patients with and without diabetic foot ulcers assessed by NeuroQol.

17:45 RASMUSSEN A. et al. (DK)

Foot protection in bed in patients with diabetic pressure ulcers and serious comorbidity.

20:00 WELCOME Drinks Meliá Sitges Hotel

SATURDAY, 21. SEPTEMBER 2013

06:45 SPONSORED RUN (5 kms)

09:00 - 10:15 ORAL PRESENTATIONS

ISCHAEMIA

(5 Oral Abstracts O13 to O17)

Chairs: N. Schaper (NL) - A. Korzon-Burakowska (PL)

09:00 MELONI M. et al. (I)

Peripheral arterial disease in diabetic patients who need a new treatment after first endovascular approach: differences between patients on dialysis and not.

09:15 IZZO V. et al. (I)

Transcutaneous oximetry is a useful tool to highlight ischemia in different areas of the foot.

09:30 EDMONDS M. et al. (GB)

A new model to treat the "diabetic foot attack" by urgent admission to hospital and fast track arterial bypass

09:45 JIRKOVSKA J. et al. (CZ)

Sensitivity of transcutaneous oxygen tension pressure and arterial duplex ultrasonography in detection of ischaemia in patients with diabetic foot

10:00 AYUBOVA N. et al. (RUS)

Outcomes after PTA of lower limb arteries in diabetic patients with critical limb ischemia

10:15 - 10:45 COFFEE/TEA BREAK

10:45 - 12:15 Pro and Contra Session - Chairs: M. Spraul (D) and B. Lipsky (USA)

Introduction: B. Lipsky

Osteomyelitis in the ulcerated diabetic foot.

How to treat primarily?

Antibiotic therapy - F. Game (GB)

versus

Surgical therapy - F.J. Aragón Sánchez (E)

Discussion -

Summary and outlook - B. Lipsky (USA)

12:15 -13:30 BUFFET LUNCH

13:30 - 15:00 POSTER DISCUSSION I -Parallel Sessions-

NEUROPATHY

Chair: M. Edmonds (GB)

P1 Papanas N. et al. (GR)

Inflammation markers and neuropathy in type 2 diabetes mellitus

P2 García-Álvarez Y. et al. (E)

The Role of altered Windlass Mechanism in patients with diabetes and neuropathy with precedents of ulcer in the first metatarsal head

P3 Bowling F.L. et al. (GB)

Increased joint range of motion variability during gait in patients with diabetes and peripheral neuropathy

P4 Abbas Z. G. et al. (Tanzania)

Comparison of Screening Modalities for Peripheral Neuropathy in Persons with Diabetes, Dar es Salaam, Tanzania

P5 Garbas M. et al. (SLO)

Can we replace 128-Hz tuning fork testing by Vibratip®?

P6 Slak M. et al. (SLO)

i-sock and TENS provide good pain relief in painful diabetic neuropathy.

P7 Heyvaert I. et al. (B)

Does the systematically introduction of the DN4 system, scoring painful diabetic peripheral neuropathy, improve the quality of care in a non-academic diabetic centre?

INFECTION

Chair: N. Tentolouris (GR)

P8 Lázaro-Martínez J.L. et al. (E)

Clinical Characteristics of Diabetic Foot Osteomyelitis produced due Gram negative and Methicillin-resistant *Staphylococcus Aureus* (MRSA).

P9 Carvalho R. et al. (PORT)

Factors contributing to clinical outcomes in infected foot: a preliminary analysis from the Portuguese Registry of Infected Diabetic Foot Ulcer

P10 Pereira M.T. et al. (PORT)

Moderate to severe diabetic foot infection: data from a Portuguese diabetic foot clinic

P11 Zemlyanoy A. et al. (RUS)

Onychomycosis in patients with neuropathic diabetic foot ulcers

P12 Loupa C.V. et al. (GR)

Prevalence of nasal carriage of staphylococcus aureus in osteomyelitis of the diabetic foot

P13 Grachev K. et al. (RUS)

Acute infection and rare pathogen.

P14 Urbancic-Rovan V. et al. (SLO)

Can irrigation of infected diabetic foot ulcers with Dermacyn® prior to taking the swab decrease the number of clinically irrelevant microbiological isolates?

REVASCULARISATION / SURGERY Chair: K. Van Acker (B)

P15 Gardiner P. et a. (IR)

Case Report: Bowen's disease masquerading as a diabetic foot ulcer

P16 Lladó M. et al. (E)

Surgical outpatient management of neuropathic ulcers complicated with osteomyelitis in forefoot.

P17 Lauwers P. et al. (B)

What brings the future to patients after amputation?

P18 Alejandro I. et al. (GB)

Complications of PICC lines to treat diabetic foot infection

P19 Bates M. et al. (GB)

The use of PICC lines to treat diabetic foot infection and avoid admission to hospital

P20 Baxter M. et al. (GB)

Assessing the effect of radiological contrast media on renal function & inflammatory markers in people with diabetes.

P21 Wosková V. et al. (CZ)

The comparison of non-invasive vascular tests with angiographic findings in patients with diabetic foot syndrome

WOUND HEALING / RENAL FUNCTION Chair: R. Lobmann (D)

P22 Jackson A. et al. (GB)

Validation of an Experimental Wound Model to Assess the Debridement Skills of Podiatrist in the North West of England

P23 Isaac A. L. et al. (USA)

Use of a non-electrically powered topical negative pressure device as a bolster for skin grafting: a case report

P24 Löffler M. et al. (D)

Diabetic foot ulcers and surgical wound healing: Where is the immunological difference?

P25 Sanz-Corbalán I. et al. (E)

Determination of the percent area reduction as a prognostic factor for 2, 4 and 6 weeks in the healing of diabetic foot ulcers

P26 van Netten J.J. et al. (NL)

Stage 4 and 5 chronic kidney disease is also an independent risk factor for foot ulceration and amputation

P27 Tesic D.S. et al. (Serbia)

Sudomotor dysfunction is associated with increased mortality in patients with chronic kidney disease, with or without diabetes mellitus

P28 Manes C. et al. (GR)

Renal Function and risk of foot ulceration - a close relation

15:00 - 15:30 COFFEE / TEA BREAK

15:30 - 16:15 ORAL PRESENTATIONS

EPIDEMIOLOGY

(3 Oral Abstracts O18 to O20)

Chairs: A. Rasmussen (DK) and N. Petrova (GB)

15:30 UCCIOLI L. et al. (I)

Risk stratification and long term follow-up of a large coorte of diabetic patients followed by Italian outpatient podiatric clinics - APORPIDIA PROJECT

15:45 UDOVICHENKO O. et al. (RUS)

Are depression and anxiety risk factors of retarded healing? Results of a 1.5 year prospective observational study

16:00 JEMMOTT T. et al. (GB)

Silhouette - a novel 3D wound measurement system

16:15 - 17:45 Presentation of 3 top Orals and 3 top Posters

to be judged for prize giving

Chairs: R. Lobmann (D) and K. Kirketerp-Moller (DK)

ORALS

Prize O1 ALMDAL T.P. et al. (DK)

Reduced incidence of lower-extremity amputations in a Danish diabetes population from 2000 to 2012

Prize O2 BRUHN-OLSZEWSKA B. et al. (PL)

Difference in RANKL serum levels is potential marker of Charcot's arthropathy.

Prize O3 GEORGA S. et al. (GR)

Diagnosis of osteomyelitis superimposed on Charcot osteoarthropathy: value of bone scan, labeled leucocyte scan and MRI

POSTERS

Prize P1 GAWISH H. et al. (Eygpt)

Outcome of Diabetic Charcot Foot in Egypt -Prospective Study

Prize P2 POPESCU R.M. et al. (Romania)

Abnormalities of the muscles in diabetic foot - a morphological and immuno-histochemical study

Prize P3 DA ROS R. et al. (I)

Acute infections in diabetic foot: bacteriological diagnosis and empirical antibiotic treatment

18:00 - 19:00 BUSINESS Meeting and Assembly

20:30 GALA DINNER Meliá Sitges Hotel

SUNDAY, 22. SEPTEMBER 2013

09:15 - 10:15

ORAL PRESENTATIONS
BASIC RESEARCH
(4 Oral Abstracts O21 to O24)
Chairs: F. Game (GB) and R. Lobmann (D)

09:15 DUBSKY M. et al. (CZ)

Comparison of two different methods of stem cell therapy with conservative treatment in diabetic patients with critical limb ischemia

09:30 ZHENG X. et al. (S)

Activated Notch1 signaling has repressive effects on wound healing in diabetes

09:45 VAINIERI E. et al. (I)

Reduced TIMP3 expression in ischemic but not neuropathic ulcers from patients with Type 2 Diabetes

10:00 COOPER G. et al. (GB)

Shear Loading in the Diabetic Foot During Level Walking & Stair Climbing

10:15 - 11:00 COFFEE / TEA BREAK

11:00 - 11:45 ORAL PRESENTATIONS

AMPUTATION / SURGERY
(3 Oral Abstracts O25 to O27)

Chairs: A. Piaggesi (I) and K. Kirketerp-Moller (DK)

11:00 MOLINES-BARROSO R.J. et al. (E)

Can the length of the first metatarsal predict risk of reulceration in patients that underwent metatarsal resection?

11:15 ZINK K. et al. (D)

Impact of Amputation Site on the Risk of Reulceration. A Retrospective Analysis of Ulceration-Free Survival Time

11:30 KIRKETERP-MOLLER K. et al. (DK)

In major amputations diabetes is not a risk factor for short-term mortality or reamputation.

- 11:45 12:15 SYMPOSIUM Sponsored by Podartis "Risk Stratification The role of the footwear designed for insoles: from the clinical problem to the orthotic solution"
- 11:45 11:55 Risk Stratification System S. Morbach (D)
- 11:55 12:15 Case Histories: from the clinical problem to the orthotic solution.

C. Caravaggi (I) E. Brocco (I) R. Da Ros (I) Topics:

Definition of degree of risk

Clinical history of the patient

Medical/surgical treatment given (why and how)

Orthotic Solution provided (why and how)

12:15 - 12:30 SYMPOSIUM - Sponsored by Flen Pharma

The use of Flaminal® in diabetic foot ulcers Speaker - Deborah Klestadt

12:30 - 13:00 SYMPOSIUM - Sponsored by Molliter

"Off-loading: Evidence, strategies, and practice"

- 12:30 12:40 Introduction: Why offloading works for diabetic foot A. Piaggesi (I)
- 12:40 12:50 Unidad Pied Diabético de Madrid: Our Off loading strategy for the acute diabetic foot J. L. Lázaro Martínez (ES)
- 12:50 13:00 Bringing patients on the safe side the role of offloading after surgery F.J. Aragón Sánchez (ES)

13:00 - 13:30 BUFFET LUNCH

13:30 - 15:30 POSTER DISCUSSION SESSION II -Parallel Sessions-

EPIDEMIOLOGY Chair: L. Uccioli (I)

P29 Goyal G. et al. (India)

Incidence of Diabetic Foot Ulcer (DFU) in a Diabetic Clinic in Eastern India and risk factors for DFU (A Retrospective Study)

P30 Gracheva T. et al. (Rus)

Do we know our patients well?

P31 Viadé J. et al. (E)

Metatarsal heads ulcers in diabetic patients. Retrospective study

P32 Dhatariya K. et al. (GB)

Clinical outcomes of patients with diabetes undergoing a lower limb angiogram in 2009 & 2010 - a 1 year follow up study.

P33 Hochlenert D. et al. (D)

Feasibility of an External Second Opinion before Major Amputation in People with Diabetic Foot Syndrome and first results.

P34 Elgzyri T. et al. (S)

Long-term outcome of foot ulcer in diabetic patients with peripheral arterial disease.

P35 Zeun P. et al. (GB)

Can we predict outcomes in diabetic foot osteomyelitis?

P36 Bujanova J. et al. (GB)

A survey on use of the Texas Wound Classification System in subjects attending a hospital diabetic foot clinic.

FOOT CLINIC

Chair: A. Rasmussen (DK)

P37 Mekhova N. et al. (Rus)

Clinical characteristics of patients with diabetes-related foot complications and results of their treatment in surgical department of city hospital of Cherepovets

P38 Gooday C. et al. (GB)

Assessing the economic impact of a podiatrist - analysis of clinic activity after temporary loss of 50% of the podiatrists from a tertiary specialist foot clinic

P39 Manu C.A. et al. (GB)

Transformation of the Foot Clinic into a Multidisciplinary Diabetic Foot Day Centre for Foot Attack: results from a service evaluation

Mid-term results of a diabetic foot unit: a multidisciplinary approach

P41 Tofeec K. et al. (GB)

A Study of Inpatient Care of Patients with Diabetic Foot Ulcers in a District General Hospital

P42 Popadiuk S. et al. (GB)

Development of a Podiatry Led GP Diabetic Foot Screening Service In Central Lancashire

P43 Pithova P. et al. (CZ)

Foot clinics in Czech Republic

P44 Mader J. K. et al. (A)

Wound healing and recurrence of lesions in patients with diabetic foot ulcers in a tertiary center

DIAGNOSTICS

Chair: N. Shaper (NL)

P45 De Windt C. et al. (B)

Secondary podiatric prevention a so forgotten issue and probably one of the most important measures to prevent recurrences of diabetic foot ulcerations. A Case Report.

P46 Parhimovich R.M. et al. (Rus)

Necrotic-purulent forefoot lesion in diabetic foot: how to stop the ascending of suppurative process to tibia

P47 Skoutas D. et al. (GR)

Macrovascular complications and risk factors: coexistence in patients with diabetic foot and their role in pathogenesis and severity

P48 Crasto W. et al. (GB)

A rare case of diabetic foot ulcer - ulcerated gout, a diagnostic challenge.

P49 lacopi E. et al. (I)

Correlation between diabetic retinopathy and severity of peripheral artery disease in type 2 diabetic patients with foot lesions.

P50 Tardáguila-García A. et al. (E)

Is the neuropathy degree an influence for the plantar fascia thickness?

P51 Healy A. et al. (GB)

Validity of the paper grip test to assess muscle strength in people with Type 2 diabetes

P52 Rayman G. et al. (GB)

Reduction in hospital-acquired diabetes foot lesions using the Ipswich Touch Test (IpTT)

CHARCOT Chair: N. Petrova (GB)

P53 Jogia R.M. et al. (GB)

A Red Hot and Swollen Foot, Not Always a Charcot Arthropathy or Infection

P54 Demina A. et al. (Rus)

Which shoes prefer diabetic patients with Charcot foot?

P55 Garcia-Morales E. et al. (E)

Analysis of risk factors in diabetic neurophatic Osteoarthropathy (DNOA)

P56 Venerová J. et al. (CZ)

Successful Combination of Conservative Therapy and Rehabilitation of Patient with Active Charcot Osteoarthropathy in Both Lower Limbs

P57 Eid Y.M. et al. (Egypt)

Bone mineral density as a predictor of Charcot arthropathy in type 2 diabetes

BIOMECHANICS Chair: E. Jude (GB)

P58 Spragg J. et al. (GB)

Non-removable plastic tag: a psychological tool in improving compliance with DH walker

P59 Jarl G. et al. (S)

The International Classification of Functioning, Disability and Health (ICF) and diabetic foot ulcers: the orthotist's perspective

P60 Miranda C. et al. (I)

Insufficient adherence to wearing prescription footwear for secondary prevention: our experience

P61 Bregovskiy V. et al. (Rus)

Biomechanical changes in patients with diabetes during follow up

P62 Giacomozzi C. et al. (I)

An innovative instrumental protocol to objectively test Diabetic footwear prescriptions in a clinical setting by using the Pedar system.

P63 Hellstrand Tang U. et al. (S)

A protocol for the evaluation of the diabetic foot, the D-Foot protocol for orthotists

15:30 - 15:45 Closing Remarks - Goodbye

15:45 - 17:00 COFFEE / TEA, cake and wine

Have a safe journey home or on to EASD Barcelona. See you in 2014!