Diabetes, Oral Health, & Nutrition: Inter-relationships, Innovations & Interaction

A certified CME and CDE symposium

Friday, October 12th 2012
Hotel Intercontinental, Geneva

Registration/Breakfast: 09h00 – 09h30
Symposium: 09h30 – 16h30
<table>
<thead>
<tr>
<th>Timing</th>
<th>Programme</th>
<th>Speaker</th>
</tr>
</thead>
</table>
| 09h00 - 09h30 | Registration and Coffee                                                   | William C. Hsu  
Assistant Professor of Medicine  
Harvard Medical School  
Director, Asian Clinic  
Joslin Diabetes Center, Boston, MA |
| 09h30 - 10h00 | Latest Developments in Diabetes Technology  
A summary of new models for remote diabetes care and applications of new technologies will be provided. | George L. King  
Professor of Medicine  
Harvard Medical School  
Senior Vice President and Chief Scientific Officer  
Director of Research  
Joslin Diabetes Center, Boston, MA |
| 10h00 - 11h00 | Mechanisms of Diabetic Complications: Role of Insuline Resistance and Hyperglycemia  
A summary of the known mechanisms causing diabetic complications and their relationship to periodontal diseases will be provided. | C. Ronald Kahn  
Mary K. Iacocca Professor  
Harvard Medical School  
and Joslin Diabetes Center, Boston, MA |
| 11h00 - 11h15 | Coffee Break                                                             | Ildiko Szanto  
Medecin adjoint  
Department of Internal Medicine Specialties  
Geneva University Hospitals  
Departments of Cellular Physiology and Metabolism and of Internal Medicine  
Faculty of Medicine  
University of Geneva |
| 11h15 - 12h15 | Genes and Environment in the Pathogenesis of Diabetes-Role of Nutrients and Gut Microbiome  
Both type 1 and type 2 diabetes are the result of gene-environment interactions. I will demonstrate how even single nutrients have a major effect on metabolism and how part of this is mediated through changes in the bacteria present in the intestine. | Robert J. Genco  
Distinguished Professor of Oral Biology and Microbiology  
Vice Provost and Director  
Office of Science, Technology Transfer, and Economic Outreach  
State University of New York at Buffalo  
UB Technology Incubator at Baird Research Park  
Amherst, NY |
| 12h45 - 13h45 | Lunch                                                                    | Andrea Mombelli  
Professor and Chair  
Division of Periodontology & Oral Pathology  
Faculty of Medicine  
University of Geneva |
| 13h45 - 14h45 | Current Understanding of the Association Between Periodontal Disease and Diabetes Mellitus  
The nature of this bi-directional association and mechanisms underlying the relationship of diabetes and periodontal disease will be explored. Finally, procedures to screen for periodontal disease in the physician’s office and for diabetes in the dental office will be presented. | Alain Golay  
Professor and Chair  
Division of Therapeutic Education for Chronic Diseases  
Department of Health and Community Medicine  
Geneva University Hospitals and Faculty of Medicine, University of Geneva |
| 14h45 - 15h15 | Clinical Management of Diabetic Patients with Periodontal Complications  
This presentation outlines the role of the dental professional in the management of the diabetic patient and presents the current treatment concepts for periodontal disease especially in patients with diabetes. | Jacques Philippe  
Professor and Chair  
Division of Endocrinology, Diabetes and Nutrition  
Department of Internal Medicine Specialties  
Geneva University Hospitals and Faculty of Medicine, University of Geneva |
| 15h15 - 15h30 | Coffee Break                                                             |                                                                        |
| 15h30 - 18h00 | Diabetes, Patient Nutrition and Patient Motivation  
Therapeutic patient education is a humanistic patient-centred approach, focussed on patients’ needs, resources, values and strategies. It brings a better quality of life, a greater therapeutic compliance and a reduction in complications. |                                                                        |
| 16h00 - 16h30 | Interdisciplinary Approach for the Management of Diabetes Mellitus  
The challenge is not to treat a disease anymore but to take care of a chronically affected patient who needs a multifactorial and interdisciplinary approach to his care with trained health professionals and favorable environmental surroundings. |                                                                        |

Chairpersons:  
Professor Jean-Louis Carpentier (Faculty of Medicine, University of Geneva)  
Professor Jacques Philippe (Faculty of Medicine, University of Geneva)
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>09h00 - 09h30</td>
<td>Registration and Coffee</td>
</tr>
<tr>
<td>09h30 - 10h00</td>
<td>Latest Developments in Diabetes Technology</td>
</tr>
</tbody>
</table>
|                      | A summary of new models for remote diabetes care and applications of new technologies will be provided. | William C. Hsu  
                      | Assistant Professor of Medicine                                                            |
|                      | Director, Asian Clinic                                                                    |
|                      | Joslin Diabetes Center, Boston, MA                                                        |
| 10h00 - 11h00        | Mechanisms of Diabetic Complications: Role of Insuline Resistance and Hyperglycemia        |
|                      | A summary of the known mechanisms causing diabetic complications and their relationship to periodontal diseases will be provided. | George L. King  
                      | Professor of Medicine                                                                     |
|                      | Harvard Medical School                                                                    |
|                      | Senior Vice President and Chief Scientific Officer                                        |
|                      | Director of Research                                                                     |
|                      | Joslin Diabetes Center, Boston, MA                                                        |
| 11h00 - 11h15        | Coffee Break                                                                              |
| 11h15 - 12h15        | Genes and Environment in the Pathogenesis of Diabetes - Role of Nutrients and Gut Microbiome |
|                      | Both type 1 and type 2 diabetes are the result of gene-environment interactions. I will demonstrate how even single nutrients have a major effect on metabolism and how part of this is mediated through changes in the bacteria present in the intestine. | C. Ronald Kahn  
                      | Mary K. Iacocca Professor                                                                 |
|                      | Harvard Medical School                                                                    |
| 12h15 - 12h45        | Anti-oxidants & Oxidative Stress in Management of Diabetes                                |
|                      | Recent studies demonstrated that a controlled production of oxygen radicals is in fact an important protective factor against the development of diabetes questioning the use of anti-oxidant molecules in the therapy of diabetic complications. | Ildiko Szanto  
                      | Médecin adjoint                                                                           |
|                      | Department of Internal Medicine Specialties                                               |
|                      | Geneva University Hospitals                                                               |
| 12h45 - 13h45        | Lunch                                                                                     |
| 13h45 - 14h45        | Current understanding of the Association Between Periodontal Disease and Diabetes Mellitus |
|                      | The nature of this bi-directional association and mechanisms underlying the relationship of diabetes and periodontal disease will be explored. Finally, procedures to screen for periodontal disease in the physician’s office and for diabetes in the dental office will be presented. | Robert J. Genco  
                      | Distinguished Professor of Oral Biology and Microbiology                                  |
|                      | Vice Provost and Director                                                                 |
|                      | Office of Science, Technology Transfer, and Economic Outreach                            |
|                      | State University of New York at Buffalo                                                  |
| 14h45 - 15h15        | Clinical Management of Diabetic Patients with Periodontal Complications                  |
|                      | This presentation outlines the role of the dental professional in the management of the diabetic patient and presents the current treatment concepts for periodontal disease especially in patients with diabetes. | Andrea Mombelli  
                      | Professor and Chair                                                                       |
|                      | Division of Periodontology & Oral Pathology                                              |
|                      | Faculty of Medicine                                                                       |
|                      | University of Geneva                                                                     |
| 15h15 - 15h30        | Coffee Break                                                                              |
| 15h30 - 16h00        | Diabetes, Patient Nutrition and Patient Motivation                                        |
|                      | Therapeutic patient education is a humanistic patient-centred approach, focussed on patients’ needs, resources, values and strategies. It brings a better quality of life, a greater therapeutic compliance and a reduction in complications. | Alain Golay  
                      | Professor and Chair                                                                       |
|                      | Division of Therapeutic Education for Chronic Diseases                                   |
|                      | Department of Health and Community Medicine                                              |
|                      | Geneva University Hospitals                                                               |
|                      | Faculty of Medicine                                                                       |
| 16h00 - 16h30        | Interdisciplinary Approach for the Management of Diabetes Mellitus                        |
|                      | The challenge is not to treat a disease anymore but to take care of a chronically affected patient who needs a multifactorial and interdisciplinary approach to his care with trained health professionals and favorable environmental surroundings. | Jacques Philippe  
                      | Professor and Chair                                                                       |
|                      | Division of Endocrinology, Diabetes and Nutrition                                         |
|                      | Department of Internal Medicine Specialties                                               |
|                      | Geneva University Hospitals                                                               |
|                      | Faculty of Medicine                                                                       |

**Accreditation Support by:**

- **Swiss Society of Endocrinology and Diabetology**  
  5.5 points
- **Swiss Society of Internal Medicine**  
  6 points
- **Swiss Society of Periodontology (SSP)**  
  6 hours
- **Swiss Dental Association (SSO)**  
  6 hours
- **Swiss Dental Hygienists Association**  
  6 hours

**Participation open to following categories:**

- Diabetologists
- Periodontists and Dentists
- Medical Doctors
- Dieticians/Nutritionists
- Dental Hygenists
- Post Graduate Students

**How to apply**

- First-come, first-served basis, limited registration only
- Admission fee: CHF 80.- (waived off for registration before September 15th 2012)

**Register at www.jsdei-geneva2012.com**
Joslin Diabetes Center is the world’s preeminent diabetes clinic, diabetes research center, and provider of diabetes education. Joslin is dedicated to ensuring people with diabetes live long, healthy lives and offers real hope and progress toward diabetes prevention and a cure for the disease. Founded in 1898 by Elliott P. Joslin, MD, Joslin is an independent nonprofit institution affiliated with Harvard Medical School.

For more information about Joslin, call 1-800-JOSLIN-1 or visit www.joslin.org

In 2006, Joslin was re-accredited by the Accreditation Council for Continuing Medical Education (ACCME) and received “Accreditation with Commendation” status, the highest rating achievable by a provider of CME.

Copyright © 2012 by Joslin Diabetes Center. All rights reserved.

Access to Hotel Intercontinental, Geneva

Chemin du Petit-Saconnex 7
1209 Geneva

By bus
From the airport (10mn ride):
Bus no 5 heading to « Thônex-Vallard »
Get out at bus stop « Intercontinental »

From the Cornavin train station (10mn ride):
Bus no 5 heading to « Aéroport »
Get out at bus stop « Intercontinental »

10 minutes drive from the airport or the train station

By car from Lausanne (60km):
Highway no A1 heading to Geneva
Follow Geneva Airport A1 / E25 / E62
Take exit no 7 and follow Gd Saconnex - Geneva
Drive 2.5 km on the Route de Ferney
Turn left at the red light and take Chemin du Petit-Saconnex

Register at www.jsdei-geneva2012.com