



# 1<sup>st</sup> World Congress on Interventional Therapies for Type 2 Diabetes

September 15 – 16, 2008 ♦ New York Marriott Marquis

[www.interventionaldiabetology.org](http://www.interventionaldiabetology.org)

## PRELIMINARY PROGRAM AS OF JULY 30, 2008

DAY 1, SEPTEMBER 15<sup>TH</sup>

### **SESSION I: DIABETES: EPIDEMIOLOGY, PATHOPHYSIOLOGY AND SOCIOECONOMIC BURDEN (7:45 – 10:00 AM)**

**Session Chair: Paul Zimmet (Australia)**

**Program Committee: George Alberti (UK), Takashi Kadowaki (Japan), Bernard Zinman (Canada)**

#### **Objectives**

- To discuss the epidemiology, pathophysiology and socioeconomic burden of diabetes
- To analyze the implications of diabetes as a public health issue

#### **Keynote Lectures**

- *A Global Picture of the Diabetes Epidemic*– Paul Zimmet (Australia)
- *Defining Obesity, Glucose Intolerance and Metabolic Syndrome: Risk Factors or Diseases*– George Alberti (UK)
- *The Burden and Costs of Diabetes and Obesity*– Shlomo Ben–Haim (Israel)

#### **Panel Discussion**

*The Global Challenge and the Double Burden of Disease: Regional Challenges*

Moderators: Paul Zimmet (Australia) and Takashi Kadowaki (Japan)

#### **Panelists**

George Alberti (UK)  
Gojka Roglic (WHO)  
David Simmons (UK – Pacific)  
Bernard Zinman (Canada)

## **SESSION II: CONVENTIONAL DIABETES THERAPIES: OUTCOMES AND LIMITATIONS (10:20 AM – 12:00 PM)**

**Session Chair: Harold Lebovitz (USA)**

**Program Committee: Stephanie Amiel (UK), John Buse (USA), David Simmons (UK)**

### **Objectives**

- To discuss the benefits and deficiencies of current diabetes therapies
- To highlight the metabolic advantages and disadvantages of current therapies as contrasted to interventional therapies

### **Keynote Lectures**

- *Outcomes of Current and Soon-to-be-Available Pharmacologic Therapies: Benefits and Positive Aspects*– John Buse (USA)
- *Down Sides*– Stephanie Amiel (UK)

### **Panel Discussion**

*Metabolic Advantages and Disadvantages of Current Therapies as Contrasted to Interventional Therapies*

Moderators: Harold Lebovitz (USA) and David Simmons (UK)

### **Panelists**

Stefano Del Prato (Italy)

Nick Finer (UK)

Allison Goldfine (USA)

Jeffrey Mechanick (USA)

(TBC)

Philip Schauer (USA)

## **ASMBS–SPONSORED SESSION III: BARIATRIC SURGERY: DIABETES AND METABOLIC OUTCOMES (12:00 – 1:00 PM PART 1; 2:00 – 2:45 PM PART 2)**

**Session Chair: Philip Schauer (USA)**

**Program Committee: John Dixon (Australia), Michel Gagner (USA)**

### **Objectives**

To present and discuss the available evidence on:

- Glycemic and metabolic control after bariatric surgery
- Technical complications and metabolic disadvantages of bariatric surgery
- Mortality rates from bariatric surgery and other common gastrointestinal operations
- The impact of surgery on diabetes-specific morbidity and mortality

### **Keynote Lectures**

- *Bariatric Procedures: Overview of Diabetes Outcomes and Metabolic Control*– Philip Schauer (USA)
- *Mortality and Morbidity of Bariatric Surgery and a Comparison with Other Commonly Performed Surgical Operations*– Bruce Wolfe (USA)
- *Bariatric Surgery: Effect on Diabetes–Specific Morbidity and Mortality*– Ted Adams (USA)

### **Panel Discussion**

*Adequacy of Diabetes Control and Achievement of Diabetic and Metabolic Targets: Resolution, Remission or Cure? Weighing Risks and Benefits*

Moderator: Philip Schauer (USA)

### **Panelists**

Harry Buchwald (USA)  
John Buse (USA)  
John Dixon (Australia)  
Allison Goldfine (USA)  
Antonio Gotto, Jr. (USA)  
Richard Hellman (USA)  
Antonio Lacy (Spain)  
Mario Morino (Italy)  
Xavier Pi–Sunyer (USA)

## **SESSION IV: GASTROINTESTINAL SURGERY TO TREAT DIABETES IN PATIENTS WHO ARE NOT SEVERELY OBESE (BMI <35) (3:05 – 4:45 PM)**

**Session Chair: Walter J. Pories (USA)**

**Program Committee: Ricardo Cohen (Brazil), Geltrude Mingrone (Italy)**

### **Objectives**

- To present experimental data about diabetes control after gastrointestinal procedures in obese and non–obese animals
- To present diabetes and metabolic outcomes of conventional bariatric operations and novel surgical procedures in patients with BMI <35
- To discuss the relationships between body weight and Type 2 diabetes
- To discuss why the unigender, uniracial BMI may not be a reliable or appropriate indicator for the surgical treatment of diabetes
- To discuss alternative parameters for the definition of risk/benefit in diabetes surgery

### **Keynote Lectures**

- *The BMI: The Good and the Bad: The Relationship of Body Weight to Glucose Metabolism*– Scott Going (USA)
- *Conventional, Bariatric and Novel Gastrointestinal Procedures in Patients with BMI <35 (Roux–en–Y Gastrectomy, Billroth II, RYGB, BPD, DJB, Gastric Banding, Sleeve Gastrectomy, Ileal Interposition and Combination Procedures)*– Francesco Rubino (USA)

### **Panel Discussion**

*What reliable alternative to BMI cut-offs could be used to indicate surgical treatment?*

*What is the ideal operation for mildly obese or overweight patients?*

*What ethical guidelines should govern the application of new procedures and what types of clinical trials should be pursued?*

Moderators: Walter Pories (USA) and Bernard Zinman (Canada)

### **Panelists**

Ross Brechner (CMS–USA)

Ricardo Cohen (Brazil)

John Dixon (Australia)

Lynis Dohm (USA)

Michel Gagner (USA)

Desmond Johnston (UK)

Takashi Kadowaki (Japan)

Geltrude Mingrone (Italy)

## **SESSION V: GASTROINTESTINAL SURGERY AND DIABETES IN ADOLESCENTS (4:45 – 6:00 PM)**

**Session Chair: Francine Kaufman (USA)**

**Program Committee: Thomas Inge (USA) and Meg Zeller (USA)**

### **Objectives**

- To understand the obesity crisis in children and youth, its causes and consequences
- To learn about accepted treatments for obesity and its co-morbidities in youth: from lifestyle to medications to surgery
- To discuss the approach to bariatric surgery in youth and how it should be supported: the team, the approach and early outcomes

### **Keynote Lectures**

- *The Obesity and Diabetes Epidemics in Adolescents*– Francine Kaufman (USA)
- *The Results of Bariatric Surgery in Adolescents* – Thomas Inge (USA)
- *Psychological Aspects in Adolescents with Diabetes and Obesity*– Meg Zeller (USA)

### **Panel Discussion**

*The Obesity Crisis in Children and Adolescents: The Role of Bariatric Surgery and Other Interventions*

Moderators: Francine Kaufman (USA) and Paul Zimmet (Australia)

### **Panelists**

Gertrude Costin (USA)  
Robin Goland (USA)  
Rudy Leibel (USA)  
Ram Weiss (Israel)

**DAY 2, SEPTEMBER 16<sup>TH</sup>**

### **SESSION VI: MECHANISMS OF SURGICAL CONTROL OF DIABETES (7:30 – 9:15 AM)**

**Session Chair: David Cummings (USA)**

**Program Committee: Judith Korner (USA), Carel le Roux (UK), April Strader (USA)**

### **Objectives**

- To present and discuss data suggesting that the remarkable anti-diabetic impact of certain gastrointestinal operations, especially gastric bypass, cannot be accounted for by solely decreased food intake and reduced body weight.
- To present and discuss data supporting the prevailing theories to explain weight-independent anti-diabetes effects of GI surgery including:
  - Distal intestinal hypothesis
  - Proximal intestinal hypothesis
  - Gastric hypothesis
  - Other hypotheses
  - Attempt to prioritize future research directions to gain a greater molecular understanding of the mechanisms mediating weight-independent anti-diabetic effects of GI surgery

### **Keynote Lectures**

- *The Role of the Gastrointestinal Tract in Glucose Homeostasis* – Carel le Roux (UK)
- *Overview of Hormonal Effect of GI Surgery and Hypothesis on the Mechanisms of Surgical Control of Diabetes* – David Cummings (USA)

### **Panel Discussion**

*The Mechanisms of Surgical Control of Diabetes*

Moderators: David Cummings (USA) and Jesse Roth (USA)

### **Panelists**

Lee Kaplan (USA)  
Samuel Klein (USA)  
Judith Korner (USA)  
Blandine Laferrère (USA)  
Michael Meguid (USA) (TBC)  
April Strader (USA)  
Tessa van der Merwe (South Africa)  
Andrew Young (USA)

**SESSION VII: WEIGHING RESEARCH PRIORITIES IN AN ERA OF CONSTRAINT  
(9:45 – 11:00 AM)**

**Session Chair: Jesse Roth (USA)**

**Program Committee: Domenico Accili (USA), Allison Goldfine (USA)**

**Objectives**

- To prioritize research –vs– research training ; newcomers –vs– veterans; clinical investigation and multi–center trials –vs– animal models and basic science
- To discuss how to establish a successful program with support from foundations leading to NIH support

**Keynote Lectures**

- *Research Planning: Top to Bottom and Vice Versa* – Jesse Roth (USA)
- *Beeson Scholars Program: A Model for Us All* – Stephanie Lederman (USA)

**Panel Discussion**

*Weighing Research Alternatives: Short, Medium and Long*

Moderators: Jesse Roth (USA) and Allison Goldfine (USA)

**Panelists**

Judith Fradkin– NIDDK– (USA)  
Barbara Kahn (USA) (TBC)  
Rudy Leibel (USA)  
Mary Elizabeth Patti (USA)  
Cristina Rondinone (USA)

**SESSION VIII: NOVEL GASTROINTESTINAL INTERVENTIONAL THERAPIES  
(11:00 AM – 12:15 PM)**

**Session Chair: Lee Kaplan (USA)**

**Program Committee: Manoel Galvao Neto (Brazil), Jeffrey Milsom (USA), Christopher Sorli (USA)**

**Objectives**

- To discuss new GI based therapies for obesity and diabetes
- To discuss novel endoscopic approaches to GI surgery for obesity and diabetes

**Keynote Lectures**

- *Endoluminal Therapies for Type 2 Diabetes*– Lee Kaplan (USA)
- *From Laparoscopic to Natural Orifice Transluminal Endoscopic Surgery*– Christopher Thompson (USA) (TBC)
- *Gastric and Duodenal Electrical Stimulation for Type 2 Diabetes*– Harold Lebovitz (USA)

### **Panel Discussion**

*Minimally Invasive Interventional Approaches for the Treatment of Type 2 Diabetes: Challenges and Opportunities*

Moderators: Lee Kaplan (USA) and Jeffrey Milsom (USA)

### **Panelists**

Manoel Galvao Neto (Brazil)  
Jan Greve (The Netherlands)  
Samuel Klein (USA)  
Jeffrey Mechanick (USA)  
Scott Shikora (USA)  
Christopher Sorli (USA)

## **IDSTF–SPONSORED SESSION IX: CLINICAL AND RESEARCH RECOMMENDATIONS FOR DIABETES SURGERY: THE ROME CONSENSUS CONFERENCE (1:15 – 2:45 PM)**

**Session Chair: Francesco Rubino (USA)**

**Program Committee: David Cummings (USA), Lee Kaplan (USA), Philip Schauer (USA)**

### **Objectives**

- To present the current U.S. National Institutes of Health guidelines for bariatric surgery and discuss whether or not they are applicable to patients with Type 2 diabetes
- To present and discuss the Rome Consensus Conference (Diabetes Surgery Summit): Methods and Position Statement
- To present the International Diabetes Surgery Task Force (IDSTF) members and goals
- To promote consensus recommendations aimed at improving standards of clinical and basic research in diabetes surgery

### **Keynote Lectures**

- The NIH Guidelines for Bariatric Surgery: Merits and Limitations– Lee Kaplan (USA)
- The Rome Diabetes Surgery Summit – David Cummings (USA)

### **Panel Discussion**

*Setting Safe Standards for Clinical Practice and Recommendations for Future Research*

Moderators: Francesco Rubino (USA) and Philip Schauer (USA)

### **Panelists**

ADA– Sue Kirkman  
AACE– Jeffrey Mechanick  
ASMBS– Scott Shikora  
Diabetes–UK– George Alberti  
IFSO– Rafael Alvarez–Cordero  
WHO– Gojka Roglic  
EASD– (TBC)

## **SESSION X: THE ECONOMICS OF INTERVENTIONAL THERAPIES AND IMPLICATIONS FOR PUBLIC HEALTH (3:15 – 4:30 PM)**

**Session Chair: Ara Darzi (UK)**

**Program Committee: David Flum (USA), Desmond Johnston (UK)**

### **Objectives**

- To present and discuss a cost-effective analysis of surgery for diabetes
- To present and discuss the implications for public health and health care systems

### **Keynote Lectures**

- *Surgery for Diabetes: Implications and Challenges for Health Care Systems*– Ara Darzi (UK)
- *Economics and Cost Effectiveness of Surgery for Diabetes*– Pierre Cremieux (USA)

### **Panel Discussion**

*Diabetes Surgery: Barriers, Advantages, Cultural and Economic Implications and the Public Health Perspective*

Moderators: TBD

### **Panelists**

Ross Brechner– Centers for Medicare and Medicaid Services (USA)  
David Flum– Surgeon, University of Washington (USA)  
Louis Hochheiser– Clinical Policy Development, Humana, Inc. (USA)  
Richard Kahn– Chief Scientific Officer, ADA (USA)  
Michael Minshall– Health Economics, IMS Health (USA)  
Tracey Moorhead– CEO, Managed Care (USA)  
Adrian Pollitt– Director of National Specialised Commissioning (NHS– UK)

## **SESSION XI: COMPREHENSIVE MANAGEMENT OF PATIENTS WITH DIABETES: THE ROLE OF INTERVENTIONAL THERAPIES (4:30 – 5:45 PM)**

**Session Chairs: Robin Goland (USA) and Louis Aronne (USA)**

**Program Committee: Francesco Rubino (USA), Jane Seley (USA)**

### **Objectives**

- To discuss the daily challenges of diabetes management
- To discuss barriers and opportunities offered by interventional therapies of diabetes
- To discuss how to improve standards of care in diabetes surgery
- To discuss the surgical treatment of diabetes from the professional and patient perspectives

### **Keynote Lectures**

- *Current Challenges in the Management of Patients with Type 2 Diabetes– What the Future Holds* – Louis Aronne (USA)
- *Improving Standards of Surgical Care– The Lesson from Centers of Excellence*– Walter Pories (USA)

**Panel Discussion**

*Surgical Treatment of Diabetes From the Patient and Professional Perspective*

Moderators: TBD

**Panelists**

*Patient with:*

T2D being successfully treated by conventional therapies

T2D who has been successfully treated by bariatric surgery

Unsatisfactory results after bariatric surgery

Unsatisfactory results under conventional diabetes treatment

*The point of view:*

The Diabetologist– Robin Goland (USA)

The Diabetes Educator– Jane Seley (USA) and Patricia Kringas (USA)

The Surgeon– Alfons Pomp (USA)

The Family Physician– TBD

The Sociologist– TBD