

ICDC-2017



UNITED | Scientific
Group

International Conference on
Diabetes and Its Complications

November 02-04, 2017

Venue

**The DoubleTree Baltimore-BWI Airport
890 Elkridge Landing Road
Linthicum, MD 21090, United States**



Registration & Introduction

Keynote Presentations

A Unifying Pathophysiologic Approach to The Complications of Diabetes in the Context of the Beta-cell Classification of Diabetes

Stanley Schwartz, University of Pennsylvania, USA

The Impact of Diabetes on Bone

Dana T. Graves, University of Pennsylvania, USA

Coffee break

Title to be announced shortly

Sayon Roy, Boston University, USA

Lunch

Diabetes and Obesity

Induced and controlled dietary ketosis as a regulator of obesity and metabolic syndrome pathologies

Kelly J. Gibas, Bristlecone Health, Inc., USA

Low-calorie Sweeteners in Weight Management and Diabetes

Allison Sylvetsky Meni, George Washington University, USA

How to reset your clock with nutrition? The effect of diet composition, meal frequency and timing.

Hana Kahleova, Institute for Clinical and Experimental Medicine, Czech Republic

Cardio- and reno-protective effects of the grapefruit-derived flavonoid, naringin in type 1 diabetes

Peter Owira, University of KwaZulu-Natal, South Africa

Is vitamin D deficiency an indicator of insulin resistance and dysfunctional adipose tissue in obesity?

Edita Stokic, University of Novi Sad, Serbia

Regulatory Role of Exercise-induced Myokine in Metabolic Diseases

Ning Chen, Wuhan Sports University, China

The Correlation between Plasma Adiponectin and Atherosclerosis in Type 2 Diabetes: The Role of Obesity

Aasem M. Saif Eldin Ahmed, Cairo University, Egypt

Coffee break

Posters

Keynote session

Diabetes complications in Advance and Advance-on and their genetic determinants

Hamet Pavel, Centre de recherche du CHUM, Canada

Title to be announced soon

Terez Shea Donohue, University of Maryland School of Medicine, USA

Coffee break

Inpatient Diabetes Management

Robert J. Tanenberg, East Carolina University, USA

Prediction of 10-year vascular risk in patients with diabetes: the AD-ON risk score

Mark Woodward, University of Oxford, UK

Lunch

Type 2 Diabetes: Basic and Clinical Research

Aging and Type 2 Diabetes: From Telomeres to Epigenetics

Dennis Bruemmer, University of Pittsburgh, USA

Fluoroquinolone Antibiotics and Type 2 Diabetes Mellitus

Stephen J. Telfer, E Ink Corporation, USA

Inhibition of Cholinergic Potentiation of Insulin Secretion from Pancreatic Islets by Chronic Elevation of Glucose and Fatty Acids: Protection by Casein Kinase 2 Inhibitor

Nicolai Doliba, University of Pennsylvania, USA

GLP-1 receptor expressed in pancreatic α -cells plays a direct role in regulating glucagon secretion

Yanqing Zhang, Tulane University, USA

Coffee break

Diabetes Mellitus –An Oral Pathologists perspective

Deepika Gopal, Penang International Dental College, Malaysia

Predictors for the Treatment Efficacy of Sodium Glucose Co-transporter 2 Inhibitors in Patients with Type 2 Diabetes Mellitus

Shusuke Yagi, Tokushima University Graduate School of Biomedical Sciences, Japan

Short and long-term repercussions of the maternal diabetes in rat preimplantation embryo

Dacbora Cristina Damasceno, Sao Paulo State University, Brazil

Stress and sleep quality assessment: a new approach to improve glycemic control and enhance weight loss in type 2 diabetes

Bashair, University of Sharjah, United Arab Emirates

Lipid peroxidation is associated with poor control of type-2 diabetes mellitus

Essam Eldin Mohamed Nour Eldin, Zagazig University, Saudi Arabia

Increased uptake of oxidized LDL by macrophages from type 2 diabetics is inhibited by polyamines

Jose D. Mendez, National Autonomous University of Mexico, Mexico

Spatial Learning and Memory, Transcriptional and Proteomic Analysis of Growth Hormone Action in bGH and GHA Mice Brain

Amrita Basu, Moffitt Cancer Center, USA

Treating the aetio-pathophysiology of Diabetes- the Ayurveda Perspective

Zankhana Buch, AyurVAID Hospitals, India

Leveraging the Power of Digital Health for Diabetes Population Health Self-Management Education

Malinda Peeples, John Hopkins, USA

Channeling euglycemia: K2P channel modulation of islet hormone secretion and glucose homeostasis

David A. Jacobson, Vanderbilt University, USA

Hyperglycemic dividing cells cannot tolerate glucose uptake and initiate aberrant hyaluronan synthesis responses involved in diabetic pathologies

Vincent Hascall, Cleveland Clinic, USA

Psychological Outcomes and Related Correlations among Family Members of Persons with Diabetes in the Second Diabetes Attitudes, Wishes and Needs (DAWN2) Study

Katharina Kovacs Burns, University of Alberta, Canada

Preventing Diabetes: Evidence and Perspectives

Jocelyne Karam, Maimonides Medical Center and SUNY Downstate Medical Center, USA

Coffee break

People with Diabetes using the One Drop iOS and WatchOS apps Experience Significant A1c Drop

Chandra Y. Osborn, Informed Data Systems Inc, USA

Multidisciplinary team care of patients with diabetes in an outpatient VA setting

Izabela Collier, Western New England University, USA

Clinical outcomes after one year of augmented insulin pump therapy in patients with diabetes in a specialized diabetes center in Medellin, Colombia

Alex Ramirez Rincon, Universidad Pontificia Bolivariana, Colombia

Modified social learning theory re-examined: correlates of self-management behaviors of persons with Type 2 diabetes

Linda Elizabeth Nugent, Royal College of Surgeons in Ireland, Ireland

Attenuated PTH responsiveness to vitamin D deficiency among patients with type 2 diabetes and chronic hyperglycemia

Ahmed Al-Jebawi, Saint Vincent Medical Group/ Indiana University School of Medicine, USA

The Phantom of Metformin-Induced Lactic Acidosis in End-Stage Renal Disease Patients: Time to Reconsider With Peritoneal Dialysis Treatment

Mohamed Ahmed Nasreldin, University of Dammam, Saudi Arabia

Role of a Doctor in management and educating patients with diabetes mellitus in Nepal

Deepak Malla, National Academy of medical science, Nepal

Improving metabolic control without increasing severe hypoglycemia

Karin akesson, Ryhov County Hospital, Sweden

The level of comorbidity and compensation of diabetes mellitus

Kurnikova I A, RUDN-university, Russia

Effect of psych educational intervention on the quality of life of patients with insulin resistance syndrome

Essmat Mohamed Gemeay, Tanta University, Egypt

Diabetic Complications

Chair: Azza B. El-Remessy

TXNIP activates NLRP3-inflammasome in a High fat diet model: Beyond the Eye

Azza B. El-Remessy, Augusta Biomedical Research Corporation, USA

Identification of Potential Pharmacoperones Capable of Rescuing the Functionality of Misfolded Vasopressin 2 Receptor Involved in Nephrogenic Diabetes Insipidus

Timothy Spicer, The Scripps Research Institute, USA

Hyperbaric oxygen therapy in the treatment of ischemic leg ulcers in diabetic patients: a multicenter trial

Dirk T. Ubbink, University of Amsterdam, The Netherlands

Emphysematous pyelonephritis: a 10- year experience with 26 cases

Raiz Ahmad Misgar, Sher-i-Kashmir Institute of Medical Sciences, India

Eye Outcomes in The Veterans Affairs Diabetes Trial (VADT)

Nasrin Azad, University of Wisconsin, USA

Detecting intrinsic muscle weakness of the hallux as an addition to early-stage screening of the feet in patients with diabetes

Rutger Mahieu, University Medical Center Groningen, The Netherlands

The paper grip test for the early detection of intrinsic muscle weakness of the foot caused by peripheral neuropathy

Willem J. Theuvsen, Department of Plastic Surgery, Gelre Hospital, Apeldoorn, The Netherlands

India's diabetes crisis and ways for mitigation

Govindasamy Agoramoorthy, Tajen University, Taiwan

Perinatal Impaired Breathing Induced Diabetic Conditions May Result In Fragile Bone

Eung-Kwon Pae, University of Maryland, USA

Bone and joint fungal infections in diabetic patients

Saad j. Taj-Aldeen, Hamad Medical Corporation, Qatar

Diabetic Retinopathy Prevention in vitro and in vivo using alternative-based medicine

Faisal Ali, Universiti Putra, Malaysia

Lunch

Case Studies

Physical activity, sedentary behavior and diabetes: findings from a US Hispanic/Latino cohort

Qibin Qi, Albert Einstein College of Medicine, USA

Study of Possible Relation between Maternal Serum Resistin and Insulin Resistance in Patients with Pre-eclampsia

Safeya, Ain Shams University, Egypt

In-hospital experience with insulin degludec (IDEG)

Maria Fernanda Ozorio de Almeida, Santa Casa São Paulo, Brazil

Epidemiology and Public Health

Further assessments on the correlation between UV-B radiations and T1D incidence in Sardinia

Marco Songini, San Michele Hospital, Italy

Prevalence and Symptom Correlation of Lactose Intolerance in the North East Part of Bangladesh

Madhusudan Saha, North East Medical College, Bangladesh

Prevalence associated factors of Peripheral Arterial Disease in Sri Lanka

Janaka Weragoda, University of Colombo, Sri Lanka

Prevalence and Factors Associated with Diabetes Mellitus and Impaired Fasting Glucose Level among Members of Federal Police Commission Residing in Addis Ababa, Ethiopia

Tariku Tesfaye, Ethiopian police university college, Ethiopia

The burden of functional disability among patients with diabetes and comorbid conditions: Evidence from hospital based survey from Pakistan

Nadia Shah, Dow University of Health Sciences, Pakistan

Diabetes in Women and Children

Managing Diabetes in Pregnancy Using Cell Phone/Internet Technology

Marguerite L Bartholomew, University of Hawaii John, A. Burns School of Medicine, USA

Cut-off value of serum glucose in 1 hour-50 grams glucose challenge test for screening of gestational diabetes in a Bangladeshi population

Hasina Akhter Chowdhury, Bangladesh University of Health Sciences, Bangladesh

Biomarkers and Therapeutics

Adherence: Treat it as a Vital Sign

Kam L. Capoccia, Western New England University College of Pharmacy, USA

The effect of TERT and Akt on the apoptosis of islet β cell

QINan Wu, The First Affiliated Hospital of The Third Military Medical University, China

Assessment of the anti-hyperglycaemic, anti-inflammatory and antioxidant activities of the methanol extract of Moringa oleifera in diabetes-induced nephrotoxic male Wistar rats

Elizabeth I Omodanisi, Cape Peninsula University of Technology, South Africa

The role of carbonic anhydrase in hepatic glucose production

Salihu Ibrahim Ismail, Federal University Dutse, Nigeria

Synergistic effect of bone marrow transplantation and natural products in the Diabetes Therapy

Rashmi Ambasta, Delhi Technological University, India

Diabetes and Cancer

Effect of Insulin and metformin combination treatment on colon adenoma and advanced adenoma among DM II

Deepanshu Jain, Albert Einstein Medical Center, USA

Effect of dapagliflozin on colon cancer cell

Junichi Okada, Gunma University, Japan

What underlies the inverse association between diabetes and prostate cancer risk: an 11-year historical population follow up study of more than 1 million men

Rachel Dankner, The Gertner Institute for Epidemiology and Health Policy Research, Israel

Type 1 Diabetes

Study of metabolic and some hormonal aspects among pubertal type 1 diabetic girls

Mohsen Khalid, National Institute of Diabetes and Endocrinology, Egypt

GLP-1 treatment of type 1 diabetes

Christian Frandsen, University of Copenhagen, Denmark

Poster session

Adherence to Medication for Type 2 Diabetes Among Syrian Refugees and Host Communities in Lebanon

Emily Lyles, Johns Hopkins Bloomberg School of Public Health Center for Humanitarian Health, USA

Identification of Clinical Determinants for Coefficient of Variation of R-R intervals in Patients with type 2 Diabetes

Kana Morimoto, Tokushima University Graduate School of Biomedical Sciences, Japan

Heparin cofactor II, a serine protease inhibitor, is associated with albuminuria in humans and mice

Ken ichi Aihara, Tokushima University Graduate School of Biomedical Sciences, Japan

Bioenergetic effects Of mitochondrial katp channel opener diazoxide in rat liver mitochondria

Olga Akopova, AA Bogomoletz Institute of Physiology, Ukraine

Simplified method of plantigrafia for assessing the feet of diabetic patients

Beatriz Bertolaccini Martanez, Vale do Sapucaá University, Brazil

Evaluation of patient satisfaction after using prefilled insulin pen SoloSTAR in real life in Lithuania

Lina Radzeviciene, Lithuanian University of Health Sciences, Lithuania

The renal threshold for glucose re-absorption predicts diabetes improvement by sodium glucose co-transporter 2 inhibitor therapy

Shuichi Okada, Gunma University Graduate School of Medicine, Japan

A Diabetes Education Program Incorporating Supervised Exercises Improves Acute Blood Glucose Management in Individuals with Type 1 Diabetes

Tulio Cesar de Lima Lins, Universidade Paulista, Brazil

Effect of High Fructose Intake On The Development Of Hypertension In The Spontaneously Hypertensive Rats: The Role Of AT1R/Gp91phox Signaling In The Rostral

Chih-Wei Wu, Chang Gung Memorial Hospital/Institute for Translational Research in Biomedicine, Taiwan

A potential screening strategy of pancreatic cancer in new-onset diabetes patients using serum CA19-9 in combination with age and BMI

Xiangyi He, Shanghai Ruijin hospital, China

Effects of biotin supplementation during the first week post weaning

Wilma Tixi Verdugo, Universidad Nacional Autonoma de Mexico, Mexico

Nanocurcumin-Chitosan targets GLUT-4 translocation and PI3 Kinase pathway in L6 skeletal muscle cells

Pratibha Chauhan, Jiwaji University, India

Awareness of diabetic foot disease amongst patients with type 2 diabetes mellitus attending the chronic outpatients department at a regional hospital in Durban, South Africa

Thea Goie, Mamelodi Hospital, South Africa

New treatment of complications after drainage surgery neovascular glaucoma in patients with diabetes

Dmitry Lipatov, National Endocrinology Research center, Russia

The anti diabetic and anti obesity effect of Memecylon umbellatum extract in high fat diet induced obese mice

Mala Majumdar, Jain University, India

Meta-analysis of the benefits of inhaled insulin in young diabetic patients above 12 years of age

Alain ulrich kalala kabongo, University of South Wales, UK

Potential hypoglycamants of morinda citrifolia in diabetes experimental model

Jose Begue Moreira de Carvalho, Faculdade de Medicina Estácio de Juazeiro do Norte, Brazil

Chemopreventive potential of Lactobacillus kefir P-IF, a novel kefir product, on Ehrlich ascites carcinoma cells

Sameh Shabana, Mansoura University, Egypt

Obesity and metabolic disorders: the fuel that feed the flame

Mohammed Ellulu, University Putra Malaysia, Malaysia

“Education with Art”: Diabetes education through theater

Claudia Mauricio Pieper, Luiz Capriglione State Institute of Diabetes and Endocrinology, Brazil

Performance of random albumin creatinine ratio for detection of micro and macro-albuminuria in patients with type 2 diabetes mellitus

Rana Hasanato, King Saud University, Saudi Arabia

Knowledge and practices regarding self-foot care among diabetic patients in Al-Madinah

Amal, Taibah University, Saudi Arabia

GC-MS Analysis, Hypoglycemic Activity of Aqueous Root Extract of Carica papaya and its Effects on Blood Lipid Profile and Hepatorenal Tissues Biomarkers of Diabetic Rats

Paul Chidoka Chikezie, Imo State University, Nigeria

Nigella sativa oil and Anti-diabetic drugs suppress neurotoxicity induced in type 2 diabetic rats

Shaymaa Abdulmalek, Alexandria University, Egypt

Assessment of Glycohemoglobin, Plasma Glucose Curve and C-Reactive Protein as complementary predictors to diagnose prediabetes

Marcelo Biavaschi, Universidade Federal de Santa Maria, Brazil

Diabetes Mellitus: Knowledge and attitudes, collaborating for individual and social development of a reef community

Tereza Cristina Pinho Paes Barreto, Pronto Socorro Cardiologico de Pernambuco, Brazil

The relationship between glycemic control, beta2-microglobulin and inflammation in patients on maintenance dialysis treatment

Vaia D Raikou, National & Kapodistrian University of Athens, School of Medicine, Greece

Insulinoma in a Patient with Type 2 Diabetes Mellitus

Shahnaz Ghafoori, Kurdistan University of Medical sciences, Iran

Levels of metabolic markers in drug-naive prediabetic and type 2 diabetic patients

Amal Akour, The University of Jordan, Jordan

Ketosis-prone diabetes (kpd): case report

Aline Barbosa Silva Ribeiro, Pontificia Universidade Catolica de Salo Paulo, Brazil

Predictors of Adherence to Type 2 Diabetes Medication

Pirdehghan A, University of Medical Sciences, Iran

A high mitochondrial DNA level has detrimental effects on myocardium in diabetes via TLR9-p38 MAPK pathway

Jing Liu, Nanjing University School of Medicine, China

Relationship between insulin resistance and subclinical atherosclerosis in individuals with and without type 2 diabetes mellitus.

Hossein Fakhzadeh, Tehran University of Medical Sciences, Iran

Non-classical phenotypes of circulating endothelial cell-derived progenitor cells in individuals with metabolically healthy obesity and metabolically unhealthy obesity

Alexander Berezin, Medical University, Ukraine

Increased uptake of oxidized LDL by macrophages from type 2 diabetics is inhibited by polyamines

Francisco L. Balderas, Mexican Institute of Social Security, Mexico

Relationship between body mass index and microalbuminuria in healthy adults

Min-hee Seo, Soonchunhyang University Seoul Hospital, Korea

Accuracy of Capillary Blood Sugar Test When Fasting in Diabetes Patients or General Population, Comparison with Venous Blood Sugar Test : Performance Evaluation of G300 Based on ISO 15197 Standards

Young-min Jee, Soonchunhyang University Seoul Hospital, Korea

The Effect of Locally Delivered Vanadyl Acetylacetonate on the Biomechanical Properties of Bone in Diabetes-related Osteoporosis

Suleiman Sudah, Rutgers New Jersey Medical School, USA

Dulce Wireless Tijuana: adaptation and impact of the Project Dulce™ model with and without mobile and wireless technology in patients with type 2 diabetes mellitus at a family medicine unit in Northern Mexico

Adriana Carolina Vargas Ojeda, Mexican Institute of Social Security, Mexico

Cardiometabolic Syndrome and Body Composition of Individuals after Cervical Spinal Cord Injuries Compare to the Healthy Control

Anna Zwierzchowska, Academy of Physical Education, Poland

Inflammatory Cytokine, Neurotrophic and Growth Factors Responses to Continuous and Intermittent Exercise in Patients with Type 1 Diabetes and Healthy Controls

Aleksandra Zebrowska, Academy of Physical Education, Poland

Metformin extemporaneous formulations for paediatric endocrinology: physicochemical integrity, cytotoxicity of sweeteners and quantification of plasma levels

Radames Alemon-Medina, National Institute of Pediatrics, Mexico

Profile of diabetic patients linked to a primary health care territory in Brazil

Vera Lucia Luiza, National School of Public Health, Brazil

Body mass index, waist circumference, Hip circumference, waist- hip-ratio and waist-height-ratio: which is the better discriminator of prevalent screen-detected diabetes in a Cameroonian population?

Mbanya, University of Oslo, Norway

FOXO1 mediates premature cartilage resorption in diabetic fracture healing

Richa Pande, University of Pennsylvania School of Dental Medicine, USA

Improvement of impaired nerve functions by Paeonia emodi in STZ-Nicotinamide induced diabetic neuropathy via inhibition of advanced glycation end products and oxidative stress

Randhir Singh, Maharishi Markandeshwar College of Pharmacy. M.M. University, Mullana, India

Definition of the Model of Prevention and Control of diabetes and systemic arterial hypertension in the population entitled to the Mexican Social Security Institute

Maria Eugenia Velasco Contreras, Mexican Institute of Insurance Social, Mexico

Impact of obesity and insulin-resistance on bone mineral density in Tunisian postmenopausal women

Cherif Rim, University of Carthage, Tunisia

A Community Outreach Initiative with Favorable Impact on Diabetes Mellitus and Cardiometabolic Risk (CMR)

Renee Murray-Bachmann, Mount Sinai Medical Center & Northwell Health, USA

Adjusting doses of U-500R insulin: the importance of using continuous blood glucose monitoring

Connie A Valdez, University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences, USA

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