

2<sup>nd</sup> International Conference on  
**DIABETES, ENDOCRINOLOGY, NUTRITION  
AND NURSING MANAGEMENT**  
**June 24-25, 2019 | Philadelphia, USA**

DIABETES CONGRESS 2019



**SCIENTIFIC TRACKS & ABSTRACTS  
DAY 1**

# DAY 1 SESSIONS

## JUNE 24, 2019

Diabetes Mellitus | Diabetes Research and Development

### SESSION CHAIR

[Ann Marie Leonard-Zabel](#),  
Curry College, USA

### SESSION CO-CHAIR

[Eduardo J Simoes](#)  
University of Missouri-Columbia, USA



### SESSION INTRODUCTION

**Title:** [Glucose toxicity: The worldwide problem and the all-natural solution](#)

**John Burd**, Founder & CEO of Lysulin, USA

**Title:** [Obesity prevention demands radical interventions](#)

**James L DeBoy**, Lincoln University, USA

# DIABETES, ENDOCRINOLOGY, NUTRITION AND NURSING MANAGEMENT

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John Burd, J Diabetol 2019, Volume 3

## GLUCOSE TOXICITY: THE WORLDWIDE PROBLEM AND THE ALL-NATURAL SOLUTION

### John Burd

Founder & CEO of Lysulin, USA

Glucose is an essential ingredient in our diet and we all need it to produce the energy for everyday living. And while glucose is essential, too much glucose over too long of a time is toxic to our bodies. Glucose toxicity leads to the development of Type 2 diabetes in both children and adults, demanding that our healthcare systems spend a huge amount on treating diabetes and its complications. Chronic hyperglycemia leads to insulin resistance. Insulin is the hormone needed for glucose to enter our cells to produce energy. Need to make insulin in an attempt to lower blood sugar can in turn lead to an inability to make insulin. When this happens as in the case of Type 2 diabetes, author may have to resort to injection of insulin in order to try to keep our blood glucose levels in the normal range. Glucose is not a passive bystander in our bloodstream but is a toxic and reactive compound. Glucose reacts with all of the proteins in our body forming glycated proteins. These glycated proteins progress to become what is known as advanced glycation end products or AGEs. These AGEs are known to be the culprits in many disease complications including cardiovascular disease. Protein glycation may also be the cause of insulin resistance. If insulin and/or the insulin receptors on cells become glycated, this changes their ability to effectively function. This is one hypothesis on the mechanism of insulin resistance. There is now an all-natural solution to the glucose toxicity problem. In over 20 years of R&D and clinical studies, nutritional supplements have been proven to combat glucose toxicity. Three important supplements having this ability are the amino acid LYSINE, the mineral zinc and a vitamin, vitamin C. Combining these three important supplements into one tablet makes a powerful weapon to combat glucose toxicity and protein glycation. This weapon is Lysulin®. Current therapy for type 2 diabetes and the history of studies proving the effectiveness of nutritional supplements will be presented along with recent data from double blind placebo controlled studies with Lysulin.

## BIOGRAPHY

John Burd is Founder and CEO of Lysulin Inc., developing scientifically proven nutraceutical products to improve the health of people with diabetes. The first patent pending product, Lysulin®, was launched in January 2018 and is showing remarkable results in clinical studies in lowering HbA1c and glycated proteins, the cause of disease complications. He was also the co-founder of Sabur Technology Inc., developing a new non-invasive continuous glucose monitoring technology. Prior to Sabur, he was Founder and CEO of Oculir Inc., a general partner of Windamere Venture Partners; Chairman & CEO of MiraMedica, a company developing computer-aided detection technology for enhanced cancer diagnosis. MiraMedica was sold to Kodak in August 2003. In 2010, he was inducted into the American Association of Clinical Chemistry Hall of Fame and received the Ullman Prize for innovation in clinical chemistry.

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# DIABETES, ENDOCRINOLOGY, NUTRITION AND NURSING MANAGEMENT

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James L DeBoy, J Diabetol 2019, Volume 3

## OBESITY PREVENTION DEMANDS RADICAL INTERVENTIONS

**James L DeBoy**

Lincoln University, USA

For some 40 years the United States has witnessed a dramatic increase in obesity and its adverse concomitant effects: Diabetes 2, cardiovascular disease, cerebro vascular disease, selected cancers, sleep apnea, joint pathology, economic losses and socio-emotional stress. Historically, the American arsenal of treatment and prevention of this national epidemic has focused almost exclusively on individual-based methods, e.g. decreased caloric intake and increased caloric expenditure, medications, bariatric surgery and counseling. Clearly, these aforementioned interventions have yielded little as evidenced by the nation's obesity rates continuing to climb. The deterrents of obesity prevention are myriad and formidable: denial, resignation, misplaced anger and outright acceptance/celebration of the obesity condition. This power point presentation, consisting of 14 slides, will proffer population-based approaches (taxation, legislation, regulation and dietary reformulation) designed to significantly change living environments that vigorously oppose the obesogenic processed food industry. Specifically, 14 societal-legislative interventions will be shared– interventions that will force most Americans out of their comfort zone. Without question, the blow-back from government– imposed regulations will be acrimonious; however, policymakers and public health professionals can look to the arguments advanced by the proponents of the anti-smoking campaigns in the 1960s: Finding that balance between individual liberty and the well-being of society as a whole. This presentation will address some of those “imbalances” created by the obesity pandemic.

## BIOGRAPHY

James L DeBoy earned his PhD in human development with minor concentrations in special education and history of education at the University of Delaware. He was appointed to the Lincoln University faculty in 1975 and achieved academic rank of Professor in 2000. As chair of the HPER Department from 1989 to 2011, he has served on virtually all major academic committees, assumed the lead role in assessment of student learning outcomes for 20 years, served key roles in the universities re-accreditation process for three decades and successfully taught more than 10 different health-focused courses over a 35 year career in higher education.

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Note:

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**SCIENTIFIC TRACKS & ABSTRACTS**  
**DAY 2**

# DAY 2 SESSIONS

## JUNE 25, 2019

Type II Diabetes | Obesity

SESSION CHAIR

Bindu Babu  
I-MD, USA

SESSION CO-CHAIR

Denise A Pancyrz  
Reverse My Diabetes, USA



### SESSION INTRODUCTION

**Title:** Role of sports physiotherapist in diabetic patients  
**Rakesh Wadhwa**, Guru Nanak Dev University, India

# DIABETES, ENDOCRINOLOGY, NUTRITION AND NURSING MANAGEMENT

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Rakesh Wadhwa, J Diabetol 2019, Volume 3

## ROLE OF SPORTS PHYSIOTHERAPIST IN DIABETIC PATIENTS

### Rakesh Wadhwa

Guru Nanak Dev University, India

In the past 20 years, the significance of diabetes has accelerated dramatically in many elements of the arena and the disorder is now an international community fitness trouble. Diabetes mellitus is related to numerous systemic complications that affect the retina, heart, mind, kidneys and nerves. Peculiar/decreased sensation dwindled reflexes, decreased proprioception and decreased muscle strength in lower limbs results in stability and purposeful issues in patients with diabetic peripheral neuropathy. Evidence strongly supports that physiotherapists play a significant role within the prevention, remedy and management of diabetes mellitus and its related headaches. Physiotherapy management techniques and rehabilitation interventions, including exercising prescription and education will help to facilitate affected person participation in applications that improve and keep physical nicely-being which has a substantial impact on their sports of each day dwelling and health-related first-rate of lifestyles (HRQOL).

## BIOGRAPHY

Rakesh Wadhwa from India running his own Wadhwa Physiotherapy Clinic in Punjab India . He has completed his Master in Physiotherapy with specialization in sports Injury & Rehabilitation . He has been a renowned speaker in many National and International Conferences. He also worked as a Sports Physiotherapist in 33rd National Games, Guwahati , India in 2007 . He Has been a founder member of a Indian Association of Physiotherapy . He also attended CME Programme on sports Psychology and doping. He has about 2 National and 1 international Publications under his name. He has given his on field services in events life Marathons, Football, Cricket, Kabaddi ,Tennis Matches etc. He has been awarded with various academic and clinical awards. He also has huge clinical expertise in manual therapy, bio mechanical analysis and sports injury Rehabilitation.

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