

LEARNING OBJECTIVES

Basic and Translational Science (BTS)

Stream Description

This stream addresses recent progress in diabetes research and its future applications in diabetes care as well as the latest advances in science-based clinical practice.

Learning Objectives

After attending the sessions in the Basic and Translational Science stream, the participant will be:

- Updated on advances in the multifactorial nature of diabetes
- Exposed to newly proposed mechanisms underlying diabetes establishment and progression
- Aware of innovative approaches for the study of diabetogenic determinants
- Alerted to novel pathophysiological mechanisms of diabetes comorbidities
- Informed about potential impacts of research in prevention and improved treatment of diabetes

Clinical, Therapeutic and Technology Research (CTT)

Stream Description

This stream deals with current and future areas of clinical therapeutics, diabetes technology and future research direction.

Learning Objectives

After attending the sessions in the Clinical, Therapeutic and Technology Research stream, the participant will be able to:

- Understand the evidence base for current and emerging treatments of diabetes
- Discuss treatment pathways and individual agents with respect to outcomes as well cost effectiveness
- Understand insulin in the past 100 years, as well as the present and future

- Understand closed loop systems, time in range, the artificial pancreas, telehealth and virtual protocols for diabetes management
- Understand access, affordability and adherence in resource limited settings, and clinical practice recommendations

Diabetes Complications and Comorbidities (DCC)

Stream Description

This stream provides updates on the latest research in basic and clinical science of diabetes complications and comorbidities.

Learning Objectives

After attending the sessions in the Diabetes Complications and Comorbidities stream, the participant will be able to:

- Understand the latest research in the pathophysiology of diabetes complications
- Identify risk factors for diabetes complications and approaches for early detection and timely intervention of these conditions
- Apply evidence-based medicine in prevention and clinical management of diabetes complications
- Recognise the impact of diabetes on the development and prognosis of a wide range of non-vascular complications

Diabetes in Women (DIW)

Stream Description

This stream will focus on the best evidence to treat and prevent diabetes and related conditions among women, including hyperglycaemia in pregnancy (HIP) and its long-term effects on mother and child.

Learning Objectives

After attending the sessions in the Diabetes in Women stream, the participant will be able to:

- Use current best evidence to inform health policy and clinical

decision making for diabetes in women.

- Understand that HIP is a common condition associated with higher incidence of maternal mortality, maternal morbidity, perinatal and neonatal morbidity and long term consequences for both mother and child.
- Use pregnancy as a window of opportunity to improve health throughout the life-course and prevent intergenerational transmission of non-communicable disease

Education and Integrated Care (EIC)

Stream Description

This stream focuses on all aspects related to diabetes education and diabetes self-management and support, with a particular interest on diabetes care delivered by healthcare providers, peers, families, or communities, as well as on diabetes management systems/models integrated with tools dealing with diabetes detection, glucose monitoring, diet, or physical activity.

Learning Objectives

After attending the sessions in the Education and Integrated Care stream, the participant will be able to:

- Address a variety of challenges in diabetes education and diabetes self-management and support, as well as the possible coping strategies
- Teach people how to live with diabetes and guide educators/healthcare providers on how to manage diabetes by cooperating with peers, families, or communities
- Optimize the design of training courses on diabetes education or care with focuses on diabetes detection, complication screening, and the use of tools
- Establish novel models on diabetes self-management and support by making use of tools that may help to enhance self-efficacy and improve clinical-related outcomes
- Better understand the benefits of dietary and/or physical activity interventions on diabetes management and control

Epidemiology and Public Health (EPH)

Stream Description

This stream deals with updates on recent research and advances on the epidemiology of diabetes diagnosis, complications and prevention, the public health challenges being faced and how to prevent and deal with them.

Learning Objectives

After attending the sessions in the Epidemiology and Public Health stream the participant will be able to:

- Understand the importance of rigorous methodology when undertaking epidemiology studies
- Recognise the gaps in epidemiology research that need to be filled
- Understand how to overcome current and emerging challenges to metabolic health
- Describe how current epidemiological data can be used to help shape future policy and healthcare implementation
- Translate successful strategies from projects presented into future prevention and management programmes

Health Services and Policy (HSP)

Stream Description

This stream will focus on health systems and policies that affect diabetes care, and most importantly people living with diabetes. There will be a focus on both the wider funding of healthcare in general, and on policies that impact diabetes care at a micro and macro level.

Learning Objectives

After attending the sessions in the Service and Policy stream, the participant will be able to:

- Learn about trends at a governmental level on funding mechanisms
- Understand how policies affect diabetes care
- Understand how the most effective health systems deal with funding and provision challenges



- Learn about innovative policies that lead to better diabetes care
- Hear about how people with diabetes contribute to effective policy making and influence

Living with Diabetes (LWD)

Stream Description

The stream gives an in-depth insight into the perspectives of people living with diabetes and highlights their role in diabetes awareness, prevention, education, support, advocacy and communication.

Learning Objectives

After attending the sessions in the Living with Diabetes stream, the participant will be able to:

- Recognise the multiple aspects of living the best life possible with diabetes
- Understand some of the day-to-day challenges faced by people with diabetes
- Understand the impact of various support systems and approaches on the lives of people with diabetes
- Identify technologies and approaches with potential for a positive impact on diabetes management
- Identify and analyse barriers and enablers to empowerment and positive self-care

