

"NEEDS OF THE PEDIATRIC DIABETOLOGICAL TEAM"

New Diagnostic and Therapeutic Perspectives

SIEDP TUSCANY CONFRONTS – 6TH EDITION

September 17, 2025

Meyer Health Campus, Via Cosimo Il Vecchio, 26, 50139 Florence, Italy

RATIONALE

Type 1 diabetes mellitus (T1DM) is the most common chronic endocrinopathy in children and adolescents, accounting for 85-90% of diabetes cases in the pediatric age group, with an incidence that continues to rise.

In recent years, the field of diabetology has undergone a drastic transformation and is constantly evolving. Screening for T1DM represents a new frontier in the history of the disease, offering the possibility of targeted therapies based on the pathophysiology of diabetes, which could delay the onset of manifest disease.

Early diagnosis and timely interventions reduce the acute and long-term risks associated with diabetes that develops in childhood and make it possible to prevent diabetic ketoacidosis, which can cause permanent damage or even threaten the life of the child.

Different types of insulin, glucose monitoring, technology and the artificial pancreas (AID, Automated Insulin Delivery) have allowed for optimal metabolic control, previously unimaginable, while minimizing the hypoglycemic risk in children with T1DM.

Additionally, the pediatric diabetologist must focus on differential diagnosis, given the growing prevalence of obesity and metabolic syndrome in pediatric populations and the marked increase in the incidence of Type 2 diabetes (T2DM). Within the context of obesity and T2DM, the use of new drugs, such as GLP-1 (glucagon-like peptide 1) analogs, is set to alter the disease's trajectory and change the pediatric diabetologist's approach.

In the context of precision medicine and participation in networks such as ENDO-ERN, it is crucial to share knowledge about rare forms of diabetes, which may lead to the diagnosis of familial forms and suggest the reclassification of certain T1DM and T2DM diagnoses in both the patient and their family members.

Collaboration within pediatric diabetology and with other specialists of the multidisciplinary team is a key step in the individual educational path and an essential tool to ensure the best and most up-to-date care for children with diabetes. This Congress aims to provide an update on the therapy and diagnosis of diabetes, which is necessary for the pediatric diabetologist to provide appropriate and consistent responses to the needs of children and adolescents with diabetes, as well as their families.

Scientific Coordinators:

Dr. Sonia Toni, Head of the SOC Diabetology and Endocrinology Department, AOU Meyer, IRCCS, Florence

Dr. Barbara Piccini, Medical Officer, SOC Diabetology and Endocrinology Department, AOU Meyer, IRCCS, Florence; Regional Representative for Diabetes SIEDP Tuscany.

PROGRAM

9:30 AM Registration of Participants

9:45 AM Introduction and Objectives of the Day

Barbara Piccini

10:00 AM Type 1 Diabetes Screening

Sonia Toni

Discussant: Lorenzo Lenzi

10:30 AM Immunotherapy in Type 1 Diabetes

Dario Iafusco

Discussant: Sonia Toni

11:00 AM Coffee Break

11:15 AM Automated Insulin Delivery Systems (AID) and Physical Activity Management

Emili Randazzo

Discussant: Eleonora Dati

11:45 AM Supplements, Probiotics and Nutraceuticals in Diabetes: Is Something Changing?

Cristina Soci – Maria Rosaria Matera

Discussant: Emanuela Laudani

12:15 PM Increase in Transaminases in Pediatric Diabetology Clinics: When the Hepatologist's Intervention is Indispensable

Giuseppe Indolfi

Discussant: Sonia Toni

12:45 PM Light Lunch

2:00 PM Endo-ERN: Rare Diabetes Forms in Pediatric Diabetology

Pietro Maffei

Discussant: Barbara Piccini

2:30 PM - 3:30 PM

LITERATURE HIGHLIGHTS: From Clinical Case to...

2:30 PM New Therapeutic Perspectives in Obese Patients

Emanuela Laudani + Specialist Trainee

2:50 PM CGM as a Diagnostic Tool

Lorenzo Lenzi + Specialist Trainee

3:10 PM CFRD: What Has Changed with New Drugs?

Silvia Farina + Specialist Trainee

3:30 PM - 4:00 PM Completion of ECM Questionnaire