LLL Programme
in Clinical Nutrition and Metabolism

New Modules Developed in 2017:

**Topic 39 Let’s talk about nutrition (NESG)**
Module 39.1 Evidence-based facts in nutrition: how to produce and extract the evidence
Module 39.2 Nutrition facts: cost-effectiveness of nutrition support
Module 39.3 Discover your personality to improve your communication skills
Module 39.4 Leadership, Strategy and team building

**Modules updated in 2017:**

**Topic 3 Nutritional Assessment and Techniques (NAaT)**
Module 3.1 Nutritional Screening and Assessment
Module 3.2 Body Composition
Module 3.3 Energy Balance

**Topic 13 Nutritional Support in Liver and Pancreatic Diseases**
Module 13.1 Nutritional support in acute liver failure
Module 13.2 Nutritional support in chronic liver disease

**Topic 14 Nutritional Support in Pancreatic Diseases**
Module 14.1 Nutritional Support in Acute Pancreatitis
Module 14.2 Nutritional Support in Chronic Pancreatitis

**Topic 21 Nutritional Support in Diabetes**
Module 21.1 Medical Nutrition in Diabetes Mellitus
Module 21.2 Nutritional Support in Diabetes Type 1 and 2
**Topic 22 Nutritional Support in Dyslipidemia**
Module 22.1 Dyslipidemia: Targeting the management of cardiovascular risk factors
Module 22.2 Prescription of Artificial Nutrition in Patients with Dislipidemia

**Topic 38 Nutrition in Respiratory Diseases (NiRD)**
Module 38.1 Mechanisms and Consequences of Body Composition Abnormalities in Chronic Respiratory Diseases
Module 38.2 Issues Related to Obesity in COPD
Module 38.3 Diet and COPD
Module 38.4 New Findings of Meta-analyses in Nutrition Interventions for COPD and Multimodal Approaches

**Modules updated in 2016:**

**Topic 8 Approach to Oral and Enteral Nutrition (EN)**
Module 8.1 Indications, Contraindications, Complications and Monitoring of EN
Module 8.2 Hospital Diet and Oral Nutritional Supplements (Sip Feeds)
Module 8.3 Techniques of Enteral Nutrition
Module 8.4 Formulae for Enteral Nutrition

**Topic 17 Nutritional Support in the Perioperative Period**
Module 17.4 Making the Gut work

**Topic 18 ICU Nutrition: Treatment and Problem Solving**
Module 18.1 How to Maintain Homeostasis by Nutrition Care in the ICU
Module 18.2 More than Choosing the Route: Enteral and Parenteral Nutrition
Module 18.3 Repletion, Supplementation and Pharmaco-nutrition
Module 18.4 Clinical Priorities for Solving Complex ICU Patient Problems

**Topic 19 Nutritional Support outside the Hospital: Home Parenteral Nutrition (HPN) in Adult Patients**
Module 19.1 Indications and Outcome
Module 19.2 Training and Monitoring Patients on HPN
Module 19.3 Venous Access and Line Complications
Module 19.4 Metabolic Complications of Home Parenteral Nutrition and Indications for Intestinal Transplantation in Chronic Intestinal Failure

**Topic 24 Nutritional Support in Metabolic Syndrome**
Module 24.1 Diagnostic Criteria for Metabolic Syndrome
Module 24.2 Insulin Resistance: from Pathophysiology to Clinical Assessment
Module 24.3 Lifestyle Interventions in Metabolic Syndrome
Module 24.4 Drug Therapy beyond Lifestyle is it Cost Effective for Metabolic syndrome?

**Topic 31 Nutrition in Behavioral Disorders**
Module 31.3 Nutrition in Alcohol Abuse