UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

COURSE SYLLABUS

Diagnostic Test in Diabetes

2122-3-I0302D044

Aims

Improvement of the knowledge on diagnostic tests regarding physiopathology of Diabetes mellitus 1, 2, gestational diabetes and their complications

Contents

Basic knowledge about the laboratory tests related to type 1, type 2 diabetes and gestational diabetes and diabetes-related complication

Detailed program

Diagnostic criteria: basal and post-challenge tests: fasting glucose, glycated Hb and albumin as biomarkers of glucose homeostasis, fasting insulin, c-petide, glucose profile during OGTT, IVGTT, self blood glucose monitoring, glucose sensors.

Methods to estimate and measure insulin resistance: HOMA-IR, OGIS, insulin clamp.

Type 1 diabetes and LADA and auto-antibodies

Diabetes related nephrological complications and co-morbidity: glomerular filtration rate and albumin excretion rate.

Liver function tests and surrogate biomarkers of NAFLD/NASH

Prerequisites

3rd year degree in Biomedical Laboratory Technician

Teaching form

Lessons

Textbook and teaching resource

The teacher will provide educational material

Semester

2nd semester

Assessment method

Attendance

Office hours

By appointment requested by mail