



UNIVERSITÀ  
DEGLI STUDI DI MILANO-BICOCCA

## SYLLABUS DEL CORSO

### Diagnostica di Laboratorio in Diabetologia

2021-3-I0302D044

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#### 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-peptide, 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**

3<sup>rd</sup> 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

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