

RELAZIONE ANNUALE

Titolo dello studio	
Dietary polyphenol intake, oxidative stress and liver fibrosis in patients with NAFLD	
Responsabile (Principal Investigator)	Dr. Federico Salomone
Data di inizio studio (mese/anno)	04/2018
Data presunta di termine studio (mese/anno)	12/2019
Descrizione dell'attività svolta (max 400 parole)	
<p>The study population has mainly included so far outpatients consecutively seen at the Division of Gastroenterology of Acireale Hospital, Catania. During routine clinical evaluation for NAFLD, patients have been invited to participate to the study and have signed a written informed consent. All participants have been characterized from a metabolic point of view by measuring BMI, blood glucose, serum triglycerides, total and HDL cholesterol. Liver fibrosis has been estimated non-invasively by NAFLD fibrosis score, APRI and FIB-4 and liver stiffness by Fibroscan. In a subset of patients liver biopsies have been also performed. At first visit, dietary habits have been evaluated by a semi-quantitative food frequency questionnaire and polyphenol content of each food has been assessed by the Phenol Explorer Database. A spot morning urine sample for each patients has been collected in common steril jars, aliquoted and stored at -80 C° for successive determinations.</p>	
Problematiche riscontrate e proposte di soluzione (max 200 parole)	
<p>Apart from the proponent unit, only the Division of Gastroenterology and Hepatology of the University of Palermo has joined the study so far. For this reason, differently from the original protocol, the study is now including not only patients with biopsy proven NAFLD but all patients with metabolic characterization and valid liver stiffness measurements. To encourage centers participation to the study and patients compliance, differently from the original protocol, only a urine sample collection is now required while serum collection is not mandatory.</p>	

Catania 13/02/2019



Dr. Federico SALOMONE