

## **BRACCO FELLOWSHIPS - EDUCATION IN RESEARCH**

### **Project 2:**

#### **Body Composition assessment by CT, MRI and US**

**NAME OF INSTITUTION:** Foggia University School of Medicine, Department of Clinical and Experimental Medicine, Foggia/ITALY

#### **RESEARCH GROUP AND ITS MISSION:**

The study of body composition is becoming more and more popular, from research to clinical practice since radiologists have the opportunity of quantifying adipose tissues storages or skeletal muscle masses in different clinical situations. With body composition assessment the attention radiologists can move to preventive medicine.

#### **OBJECTIVES:**

- To assess fat and lean mass
- To separate subcutaneous fat from visceral fat
- To estimate the risk of metabolic syndrome

#### **APPLICANT'S DUTIES:**

- To evaluate whole body DXA for body composition analysis
- To evaluate abdominal CT to quantify visceral and subcutaneous fat
- To correlate these results with clinical status in patient with metabolic syndrome

#### **APPLICANT'S BENEFITS:**

- Participation on scientific outcomes of the project i.e. presentations to congresses or publications of papers

Project Leader: Giuseppe Guglielmi

Members: Roberto Bellitti, Luciana La Tegola, Giulia Castorani