# Definition of the treatment components

diet = Component("Diet and physical activity")
oral_antidiabetic = Component("Any oral antidiabetic drug", ["A10B"])  
metformin = Component("Metformin", ["A10BA02"])  
agi = Component("Alphaglucosidase inhibitor", ["A10BF")

# Recommendation for antidiabetic monotherapy for patient with low glycosilated haemoglobin

one_shoule_prescribe(
    conditions = "(Treatment([diet, oral_antidiabetic], status = PRESCRIBED)) and (patient.HbA1c <= 6.5)",
    recommended_treatment_line1 = [Treatment([diet, metformin])] ,
    recommended_treatment_line2 = [Treatment([diet, agi])],
    explanation_criticism_label2 = "AGI should be prescribed only as second-line treatment.",
    explanation_criticism_label3 = "Sulfonamides, glinides and glitazones are not recommended at this stage of the disease."
    advice_criticism_label1 = "Guideline recommends metformin as first-line treatment."
    advice_criticism_label2 = "Guideline recommends metformin as first-line treatment, and AGI as second-line."
    reference_criticism_label = "(Traitement médicamenteux du diabète de type 2)"