The initial variables include gender, age, weight, height, BMI, waist circumference, total BMD, TBLH BMD, TBLH BMD Z -score, lumbar spine BMD, total fat percentage, SII, HS- CRP, triglyceride, HDL, LDL, TC, FBG, insulin, TyG-BMI index, TyG index, HOMA-IR, HbA1c, spexin, FGF23, 1,25(OH)2D.