

Heatmap visualization showing the correlation matrix for 20 variables. The color scale ranges from -0.6 (dark blue) to 1.0 (dark red). The diagonal elements are all 1.0. The matrix shows strong positive correlations between TSH and T3, T3 and TT4, TT4 and T4U, T4U and FTI, FTI and TBG, and between the target variable and the age groups. The correlations between the target variable and the thyroid function tests are generally weak or negative.

