Let CT and CT! be Church Thesis with choice (strong) and with uniqueness (weak) respectively. Let U and U! be principles strong and weak uniformization. Let ZFI2C + DCS (all postulates here or about are in [1] or [2]) be the set theory with intuitionistic logic and two kinds of variables (natural and set) and with collection scheme. It is known that: a) $ZFI2C + CT! \vdash U!$; b) $ZFI2C + DCS + CT! \nvDash CT$; c) $ZFI2C$ - extensionality + DCS + CT $\nvDash U$. We proved that d) $ZFI2C + DCS + CT \nvDash U$. Corollaries: e) $ZFI2C + DCS + U! \nvDash U$; f) $ZFI2C + DCS + CT! \nvDash U$.

I am going to speak also about some properties of models of realizability types which were used to prove b) - d) and to discuss some open problems.
