

## Supplementary Methods

### Variables in the imputation model

The imputation model included the main exposure (treatments), the outcome and all covariates used in the adjusted cox model (gender, age, disease duration, seropositivity, number of previously used bDMARDs, first JAKi, stop reason of first JAKi, duration of first JAKi, tobacco use, comorbidities, concomitant glucocorticoids, concomitant csDMARDs treatment, HAQ and CDAI).

### Comorbidity

We included as a comorbidity: cardiovascular problem, interstitial lung disease, chronic infection, malignancy, metabolic disorder or neuropsychiatric disorder.