Supplementary Figure 8  The impact of individual’s test-retest variability on the sensitivity, and specificity of event analysis with group reproducibility coefficient (EA with group RC). The specificity and sensitivity can be represented by the area under the probability density function of the baseline measurement (mean: μ₁, standard deviation: σ) and the measurement of the nth visit (mean: μₙ, standard deviation: σ), respectively, and the classification cutoff . If the individual’s test-retest variability (σ) is equaled to the group’s test-retest variability (σₓ), the specificity and sensitivity
would be the same as EA with individual RC (A). If the individual’s test-retest variability (σ) is smaller than the group’s test-retest variability (σg), will be more than 1 resulting in a lower sensitivity and a higher specificity compared with EA with individual RC (B). By contrast, if the individual’s test-retest variability is greater than the group’s test-retest variability, will be less than 1 resulting in a higher sensitivity and a lower specificity compared with EA with individual RC (C).