**Table 1:** Outcomes measures and comparison.

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| --- | --- |
| **Outcomes measures** | **Formula** |
| **Standard** |  |
| DAS28-ESR-3 | [0.56 × √TJC + 0.28 × √SJC + 0.70 × ln (ESR)] × 1.08 + 0.16 |
| DAS28-ESR | 0.56 × √ TJC + 0.28 × √ SJC + 0.70 × ln (ESR) + 0.014 × (VAS) |
| DAS28-CRP-3 | [0.56 × √ TJC + 0.28 × √ SJC + 0.36 × ln (CRP + 1)] × 1.10 + 1.15 |
| DAS28-CRP | 0.56 × √ TJC + 0.28 × √ SJC + 0.36 × ln (CRP + 1) + 0.014 × (VAS) + 0.96 |
| **Tamhane, et al.** |  |
| Adjusted† DAS28-CRP | 0.56 × √ TJC + 0.28 × √ SJC + 0.1878 × ln (CRP + 1) + 0.014 × (VAS) + 0.0073 × (Age) + 0.2501 (if female) + 1.49843 |
| **Current study data-specific** | |
| Unadjusted‡ DAS28-CRP | 0.56 × √ TJC + 0.28 × √ SJC - 0.00762 × ln (CRP + 1) + 0.014 × (VAS) + 2.64021 |
| Adjusted† DAS28-CRP | 0.56 × √ TJC + 0.28 × √ SJC - 0.01462 × ln (CRP + 1) + 0.014 × (VAS) - 0.00149 × (Age) - 0.13067 (if female) + 2.84654 |
|  |  |
| **Comparisons** |  |
| **[A]:** DAS28-ESR and DAS28-CRP (standard) |  |
| [**B]:** DAS28-ESR-3 and DAS28-CRP-3 (excluding the patient’s global VAS assessment) |  |
| **[C]:** DAS28-ESR and Tamhane, et al. DAS28-CRP (adjusted for age and sex) |  |
| **[D]:** DAS28-ESR and current study data-specific DAS28-CRP (adjusted for age and sex) |  |

‡: Unadjusted for age and sex; †: Adjusted for age and sex; √: square root; DAS: Disease Activity Score; ESR: Erythrocyte Sedimentation Rate; CRP: C-Reactive Protein; TJC: 28 Tender Joint Count; SJC: 28 Swollen Joint Count; VAS: Visual Analog Scale, self-assessed patient global assessment of disease activity on a VAS of 0 to 100 mm. [A]: Was the comparison between the standard DAS28 scores (DAS28-ESR and DAS28-CRP); [B]: Compared the between DAS28 scores that used only three variables (DAS28-ESR-3 and DAS28-CRP-3) without the patient’s global VAS assessment; [C]: was the comparison between DAS28-ESR and DAS28-CRP adjusted for age and sex used by Tamhane, et al. in African Americans patients with RA [13]; [D]: Compared DAS28-ESR and DAS28-CRP adjusted for age and sex derived from the current study data-specific.