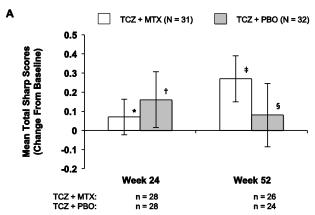
1 SUPPLEMENTAL METHODS

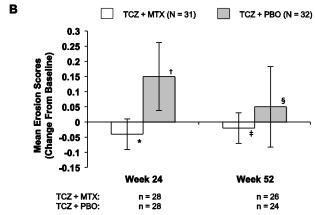
MRI parameters Pulse sequences included coronal, T1-weighted, 3-dimensional (3D) gradient-echo (flip angle 65°, repetition time [TR] 35 milliseconds, echo time [TE] 16 milliseconds, field of view 120 mm, matrix 160 \times 192, slice thickness 0.6 mm, giving a voxel resolution of 750 μ m \times 625 μ m \times 600 um; one excitation was averaged), coronal 2D short-tau inversion recovery (STIR) (inversion time 85 milliseconds, TR 1520-1960 milliseconds, TE 24 milliseconds, field of view 120 mm, matrix 144 × 192, slice thickness 3.0 mm, with an interslice gap of 0.3 mm, giving a voxel resolution of 833 μ m × 625 μ m × 3000 μ m; 2 excitations were averaged), and axial 2D STIR (inversion time 85 milliseconds, TR 1680-2400 milliseconds, TE 24 milliseconds, field of view 120 mm, matrix 144 × 192, slice thickness 3.0 mm, with an interslice gap of 0.3 mm, giving a voxel resolution of 833 μ m × 625 μ m × 3000 μ m; 2 excitations were averaged).

1 SUPPLEMENTAL FIGURES

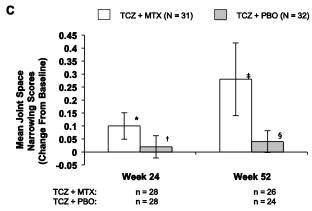
- 2 Supplemental Figure 1. Changes in radiographic Genant-modified Total Sharp Scores in
- 3 patients taking tocilizumab (TCZ) 8 mg/kg plus methotrexate (MTX) or placebo (PBO) plus
- 4 MTX. (A) Mean change from baseline in Total Sharp Scores at weeks 24 and 52. (B) Mean
- 5 change from baseline in erosion scores at weeks 24 and 52. (C) Mean change from baseline in
- 6 joint space narrowing scores at weeks 24 and 52. Error bars represent standard error of the mean
- 7 (SEM).



* P = 0.6172; † P = 0.3430; * P = 0.0434; § P = 0.3484 when compared with baseline.



* P = 0.7729; † P = 0.2402; * P = 0.9900; § P = 0.4131 when compared with baseline.



*P = 0.0313; †P = 0.8750; *P = 0.0234; *P = 0.7500 when compared with baseline.