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Supplemental Table 1: Adjusted associations between body mass index and measures of clinical or magnetic resonance imaging low disease activity or remission at 24 weeks

	DAS28(CRP) remission OR (95% CI)	SJC ≤1 OR (95% CI)	TJC ≤1 OR (95% CI)	PTGL ≤1 OR (95% CI)	CRP ≤1 mg/dL OR (95% CI)	HAQ ≤0.5 OR (95% CI)
BMI < 20	1.32 (0.61-2.87)	1.44 (0.73-2.84)	0.83 (0.38-1.82)	0.86 (0.38-1.93)	0.60 (0.27-1.30)	0.72 (0.36-1.44)
BMI 20-25	Ref	Ref	Ref	Ref	Ref	Ref
BMI 25-30	0.86 (0.50-1.48)	1.09 (0.68-1.77)	1.03 (0.62-1.73)	0.68 (0.39-1.18)	0.66 (0.36-1.21)	0.66 (0.40-1.07)
BMI ≥30	0.47 (0.24-0.92)*	1.01 (0.58-1.75)	0.82 (0.45-1.48)	0.47 (0.24-0.92)*	0.44 (0.23-0.84)*	0.49 (0.28-0.89)*

	Synovitis ≤3 OR (95% CI)	Osteitis ≤3 OR (95% CI)	Inflammation ≤3 OR (95% CI)
BMI < 20	0.94 (0.45-1.96)	1.04 (0.50-2.18)	0.78 (0.34-1.81)
BMI 20-25	Ref	Ref	Ref
BMI 25-30	0.73 (0.42-1.26)	1.23 (0.71-2.11)	0.83 (0.52-1.67)
BMI ≥30	0.94 (0.51-1.72)	2.06 (1.10-3.84)*	1.02 (0.53-1.96)

Results from multivariable logistic regression models, adjusted for age, sex, race, cyclic citrullinated peptide antibody status, study, treatment assignment.

* p < 0.05; **p < 0.01; DAS28 = disease activity score in 28 joints using CRP; SJC = swollen joint count; TJC = tender joint count; PTGL = patient global VAS score; CRP = C-reactive protein; HAQ = health assessment questionnaire

Supplemental Table 2: Adjusted associations between body mass index and measures of clinical or magnetic resonance imaging low disease activity or remission at 52 weeks

	DAS28(CRP) remission OR (95% CI)	SJC ≤1 OR (95% CI)	TJC ≤1 OR (95% CI)	PTGL ≤1 OR (95% CI)	CRP ≤1 mg/dL OR (95% CI)	HAQ ≤0.5 OR (95% CI)
BMI < 20	2.04 (1.02-4.06)*	1.95 (0.95-4.00)	0.93 (0.47-1.84)	1.50 (0.72-3.10)	1.23 (0.50-3.01)	1.01 (0.51-1.99)
BMI 20-25	Ref	Ref	Ref	Ref	Ref	Ref
BMI 25-30	0.89 (0.55-1.47)	1.09 (0.68-1.75)	0.56 (0.35-0.91)*	0.4 (0.56-1.58)	0.82 (0.44-1.53)	1.05 (0.65-1.70)
BMI ≥30	0.54 (0.30-0.97)*	1.05 (0.61-1.81)	0.47 (0.27-0.82)**	0.34 (0.17-0.68)**	0.42 (0.22-0.82)*	0.65 (0.37-1.15)

	Synovitis ≤3 OR (95% CI)	Osteitis ≤3 OR (95% CI)	Inflammation ≤3 OR (95% CI)
BMI < 20	1.24 (0.59-2.61)	0.89 (0.43-1.84)	1.14 (0.51-2.56)
BMI 20-25	Ref	Ref	Ref
BMI 25-30	0.81 (0.47-1.39)	1.77 (1.02-3.06)*	0.94 (0.53-1.67)
BMI ≥30	1.09 (0.58-2.02)	1.93 (1.02-3.66)*	1.31 (0.68-2.52)

Results from multivariable logistic regression models, adjusted for age, sex, race, cyclic citrullinated peptide antibody status, study, treatment assignment.

* p < 0.05; **p < 0.01; DAS28 = disease activity score in 28 joints using CRP; SJC = swollen joint count; TJC = tender joint count; PTGL = patient global VAS score; CRP = C-reactive protein; HAQ = health assessment questionnaire

Supplemental Figure 1: Rates of clinical remission at 24 weeks among different BMI groups as defined by DAS28(CRP), SDAI, CDAI, and Boolean remission. Predicted probabilities were obtained from multivariable logistic regression models at the means of age, sex, race, cyclic citrullinated peptide antibody status, study, treatment assignment.

* $p < 0.05$; BMI = body mass index; DAS28 = disease activity score in 28 joints using CRP; SDAI = simple disease activity index; CDAI = clinical disease activity index. DAS28(CRP) remission < 2.6 , SDAI remission ≤ 3.3 , CDAI remission ≤ 2.8 , Boolean remission ≤ 1 for all of tender joint count 28, swollen joint count 28, CRP (mg/dL), and patient global (0-10)