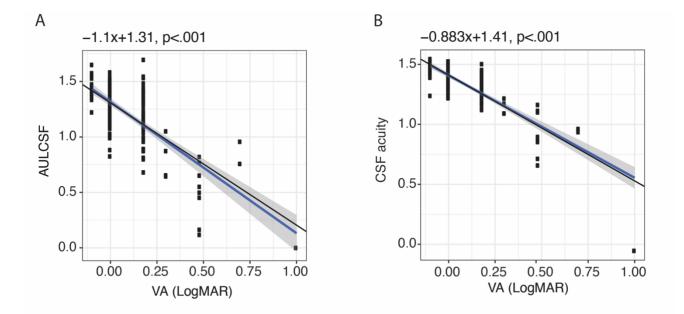
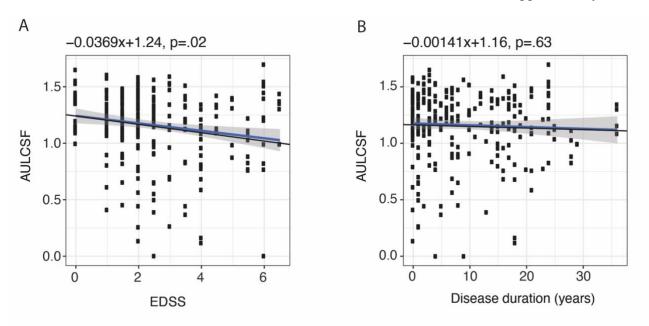


Supplementary Material



Supplementary Figure 1. Correlation between AULCSF (A) and CSF acuity (B) and VA500. In a linear mixed-effects model (n=44 patients, measurements of the *repeatability cohort*), AULCSF (A, p<0.001) and CSF acuity (B, p<0.001) were significantly correlated with VA500. The black line and numerical results represent the results from the linear mixed-effects model; for comparison, the blue line and confidence interval (shaded area) represent the results from a linear regression that considers all measurements as independent.

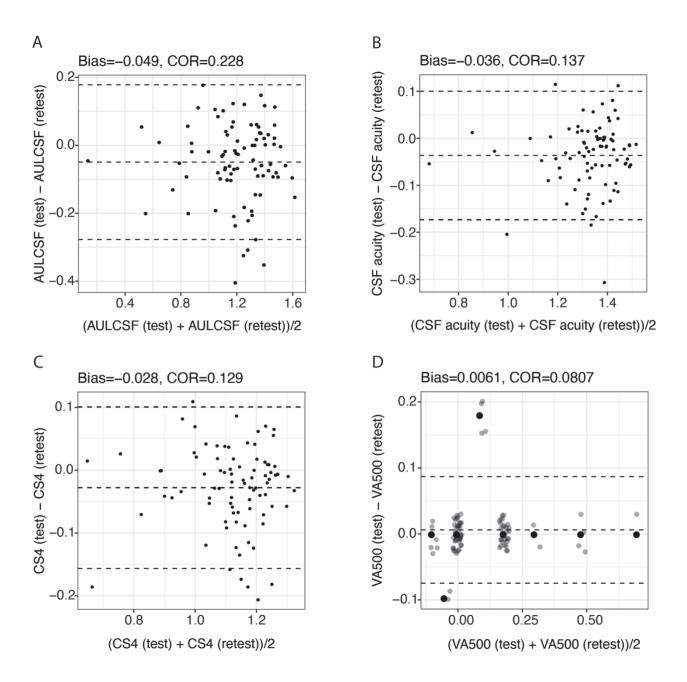
AULCSF= area under the log CSF; CSF acuity= visual acuity of contrast sensitivity function; VA= visual acuity.

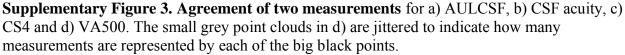


Supplementary Figure 2. Correlation between AULCSF and EDSS (A) and disease duration (B).

In a linear mixed-effects model with patient as random effect (n=98 patients, measurements of both MS cohorts pooled including patients with optic neuritis), AULCSF was significantly correlated with EDSS (A; Welch's t (104.8) =-2.37, p=.02), but not with disease duration (B; Welch's t (111.2) =-0.49, p=.63). The black line and numerical results represent the results from the linear mixed-effects model; for comparison, the blue line and confidence interval (shaded area) represent the results from a linear regression that considers all measurements as independent.

AULCSF= area under the log CSF.





AULCSF= area under the log CSF; CSF acuity= visual acuity of contrast sensitivity function; CS4= CSF acuity at 25% contrast; VA= visual acuity; COR= coefficient of repeatability.