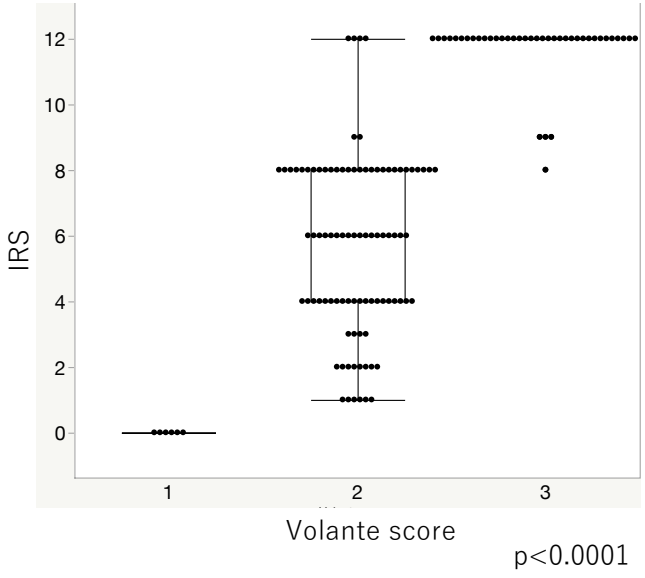
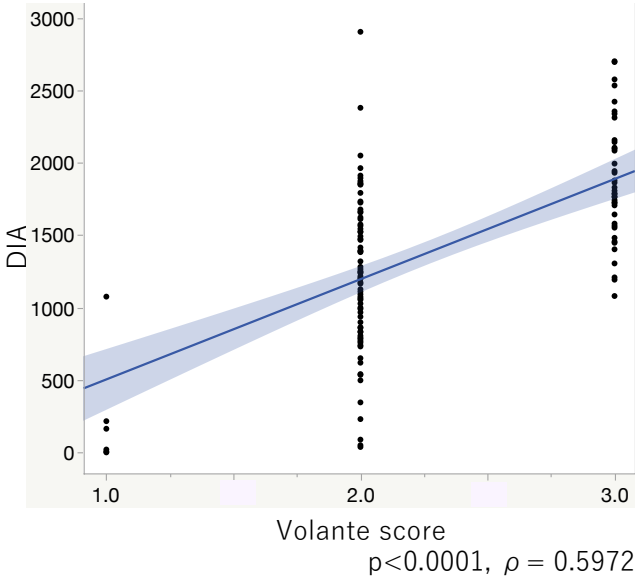
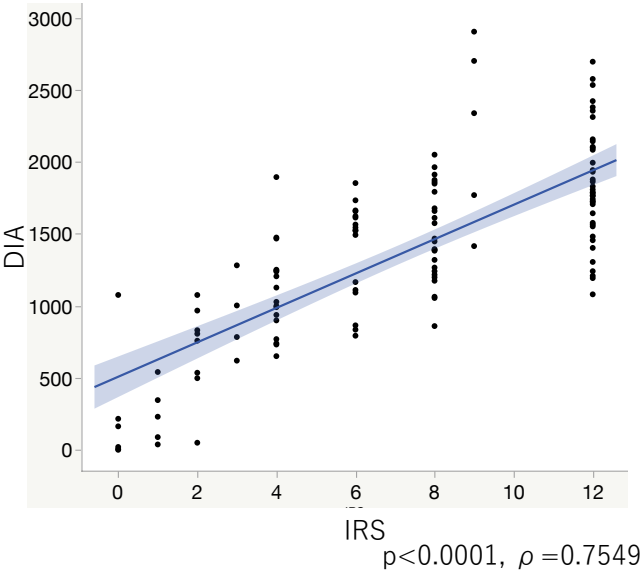


p<0.0001



p<0.0001, $\rho = 0.5972$



p<0.0001, $\rho = 0.7549$