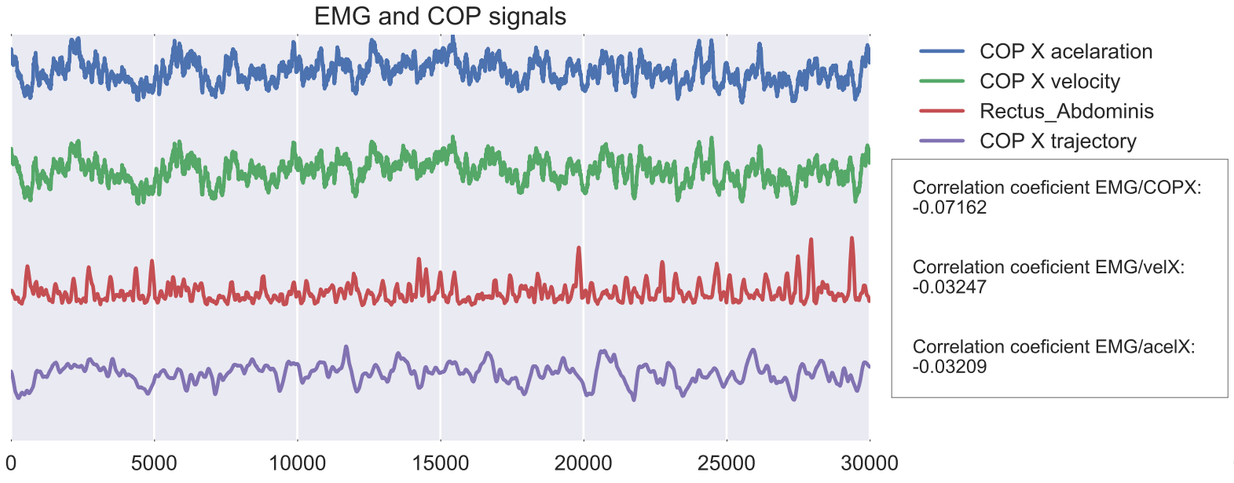
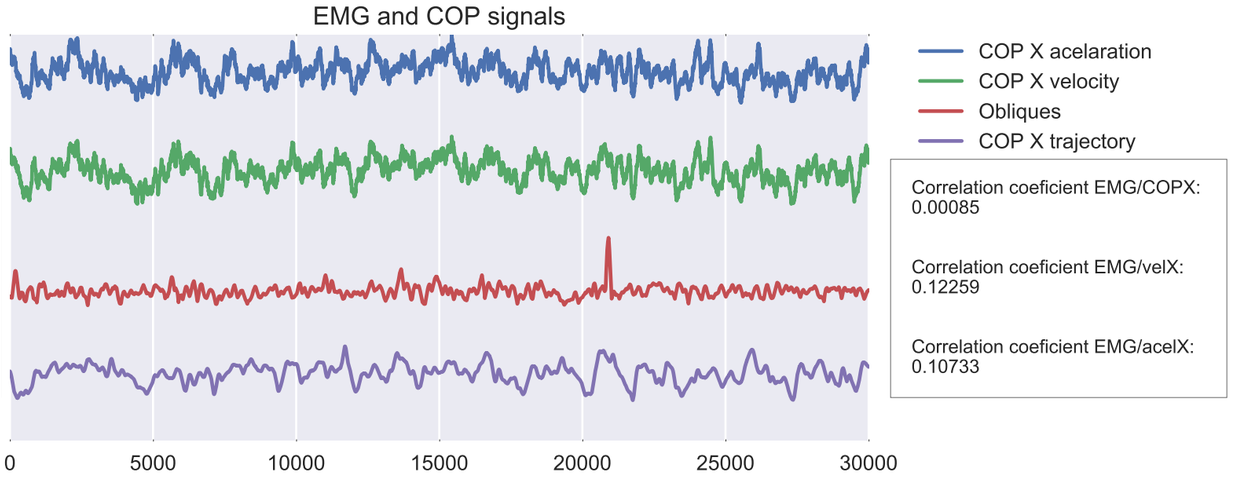
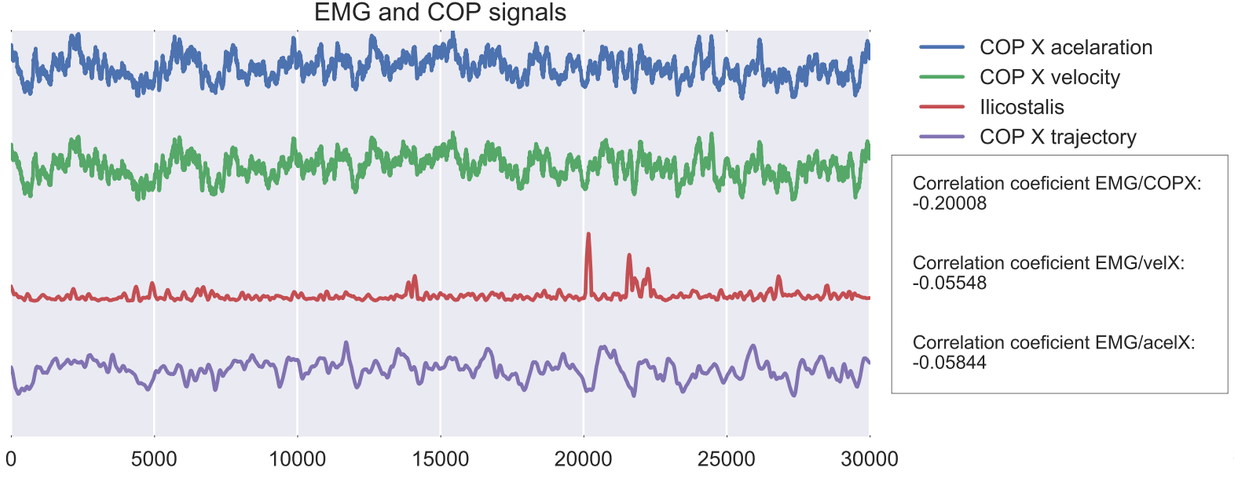
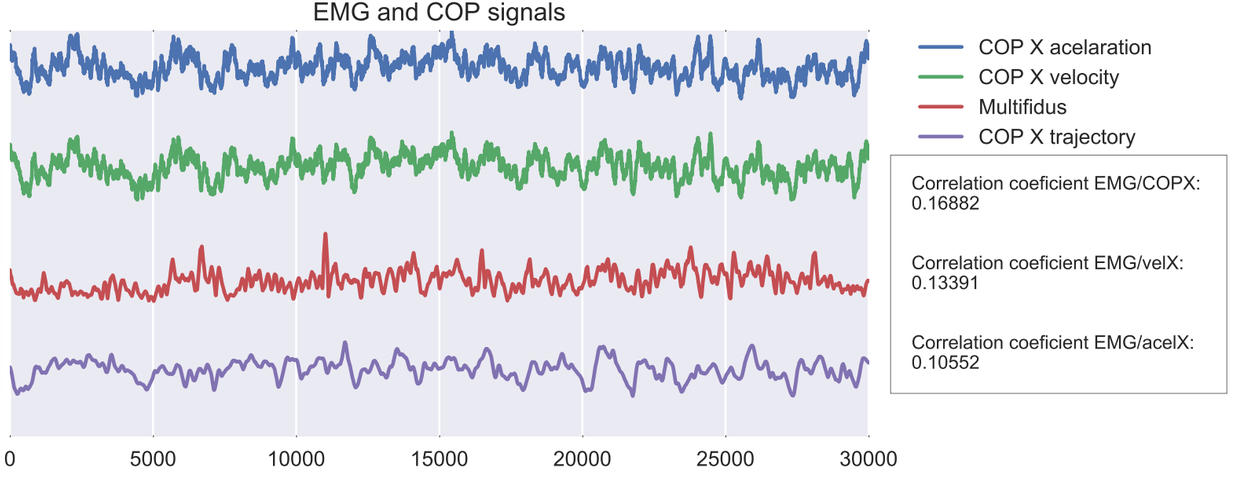
Same muscle/ Right Left - OneFootStanding_R_EO
Patient1 Healthy

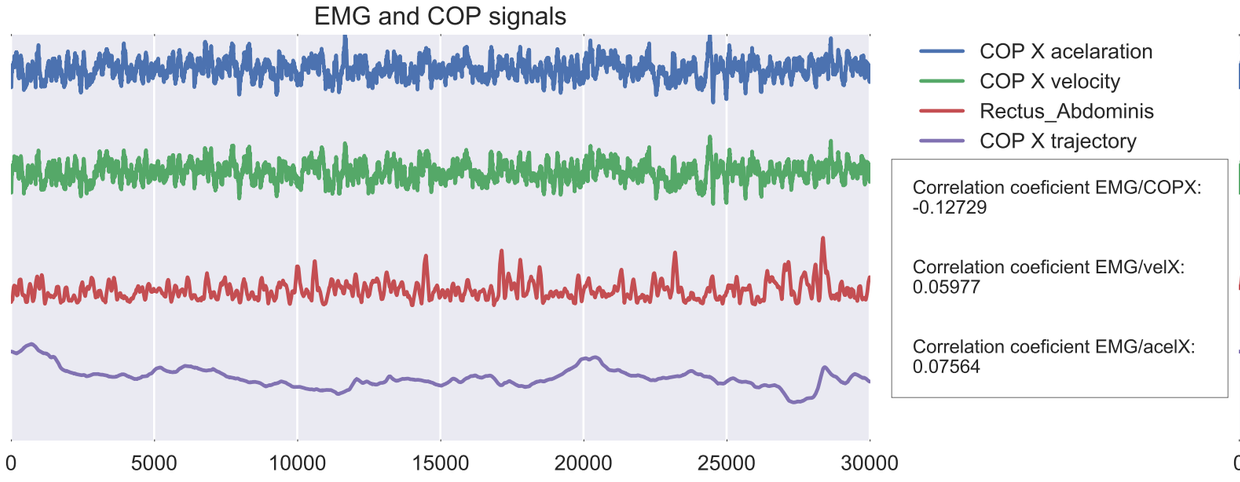


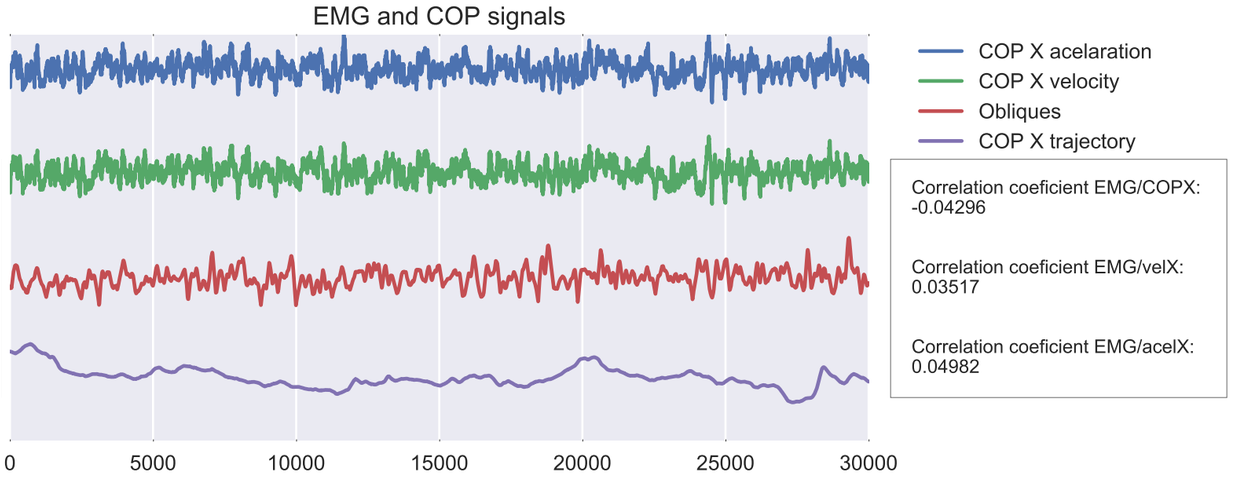


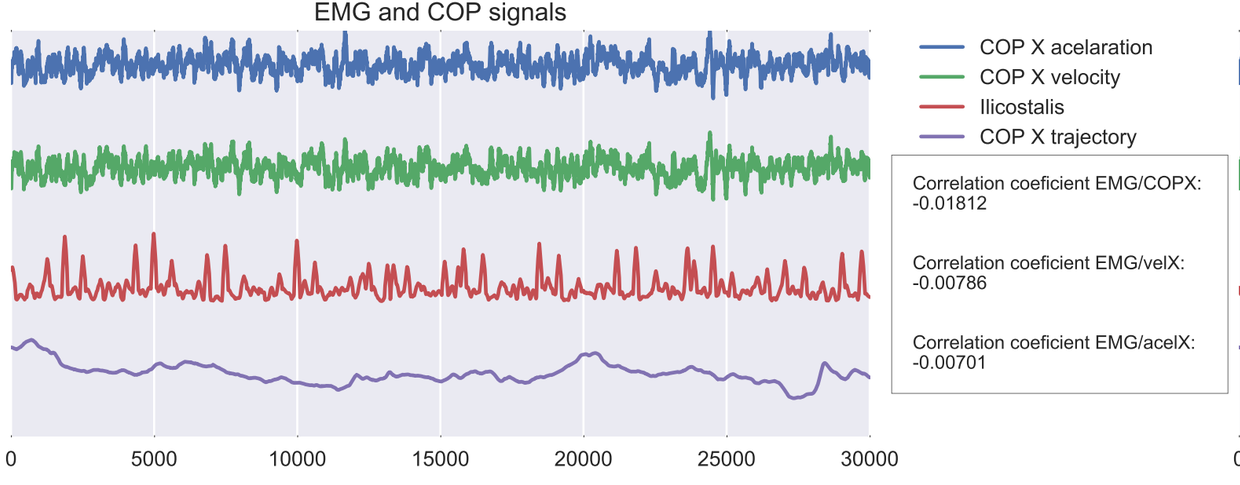


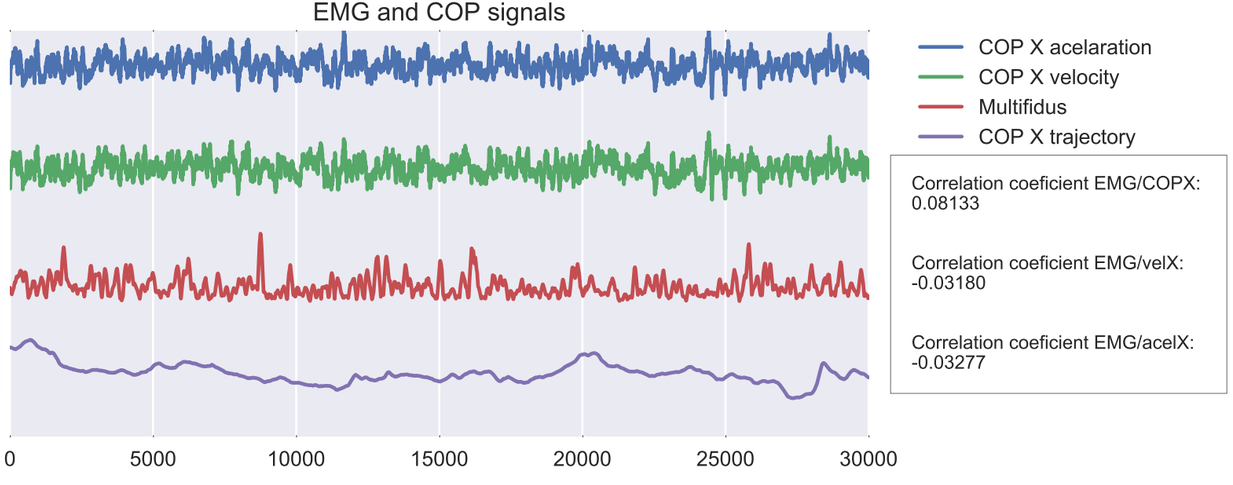


Same muscle/ Right Left - Standing_EO
Patient1 Healthy

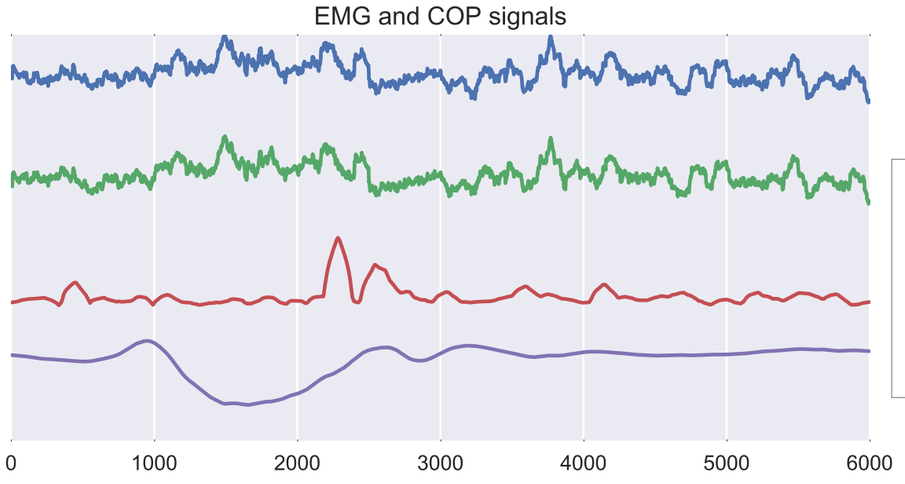








Same muscle/ Right Left - Reach_L
Patient1 Healthy

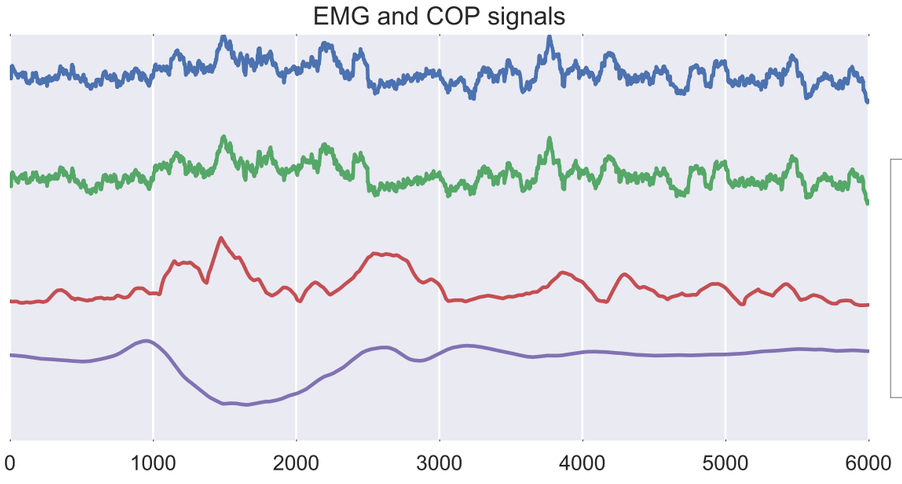


COP X acelaration
COP X velocity
Rectus_Abdominis
COP X trajectory

Correlation coeficient EMG/COPX: 0.10410

Correlation coeficient EMG/velX: 0.00334

Correlation coeficient EMG/acelX: 0.02962

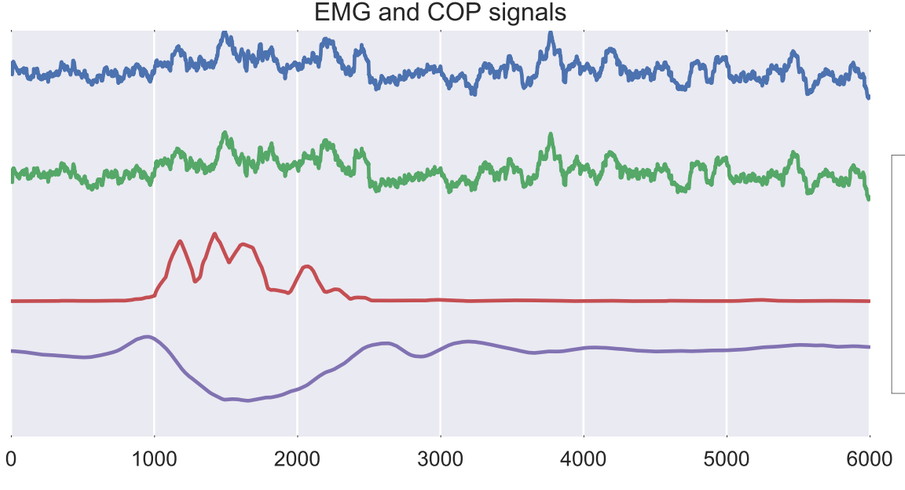


COP X acelaration
COP X velocity
Obliques
COP X trajectory

Correlation coeficient EMG/COPX: -0.37358

Correlation coeficient EMG/velX: 0.32124

Correlation coeficient EMG/acelX: 0.35084

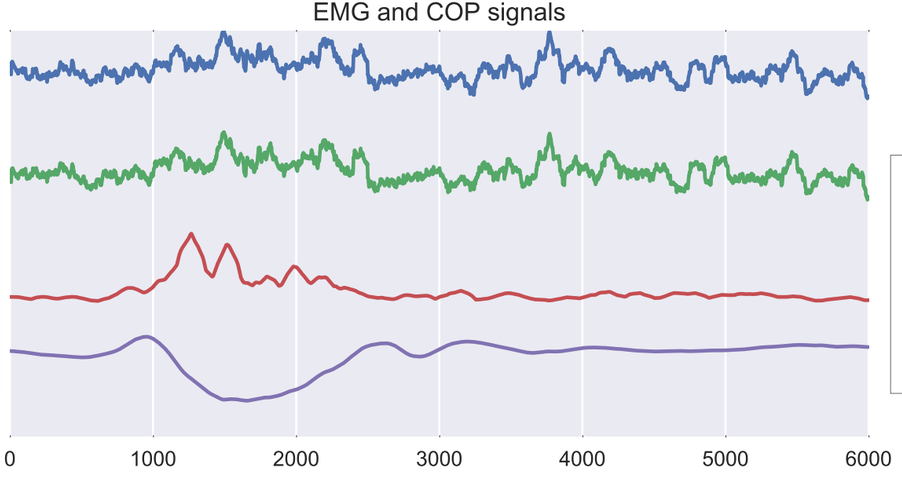


COP X acelaration
COP X velocity
Ilicostalis
COP X trajectory

Correlation coeficient EMG/COPX: -0.78946

Correlation coeficient EMG/velX: 0.49527

Correlation coeficient EMG/acelX: 0.49350



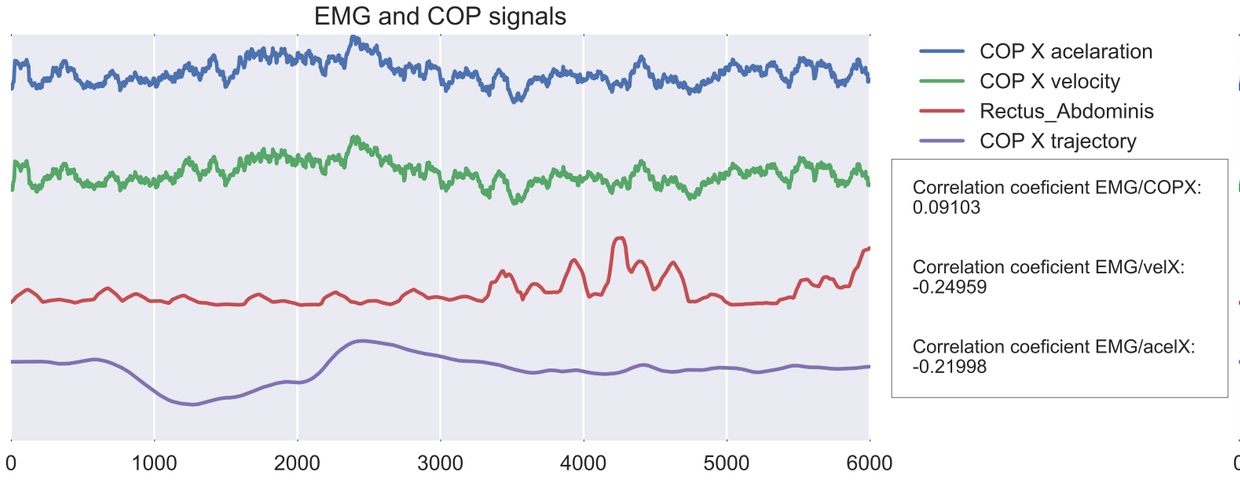
COP X acelaration
COP X velocity
Multifidus
COP X trajectory

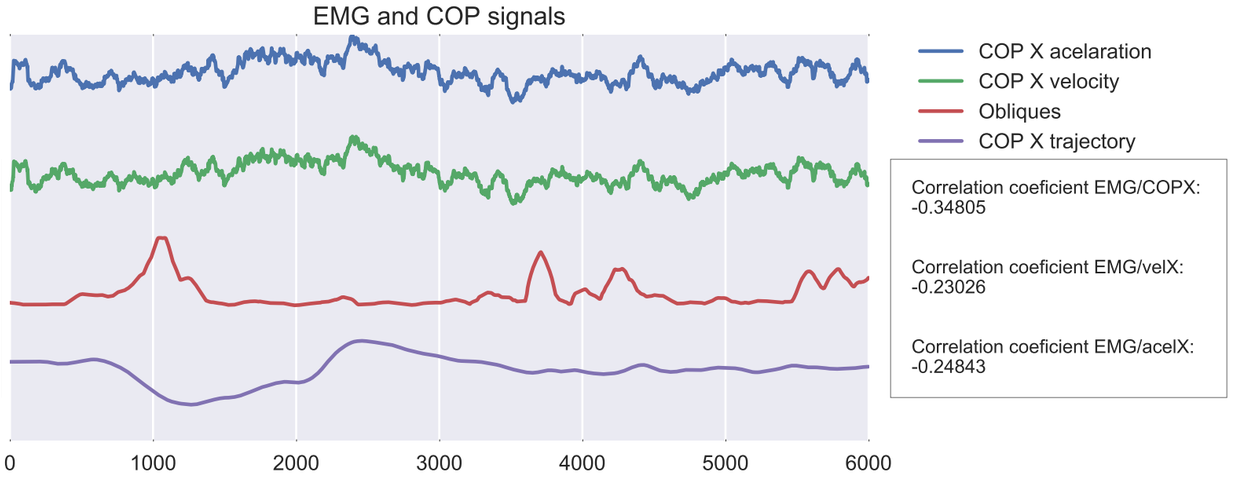
Correlation coeficient EMG/COPX: -0.71908

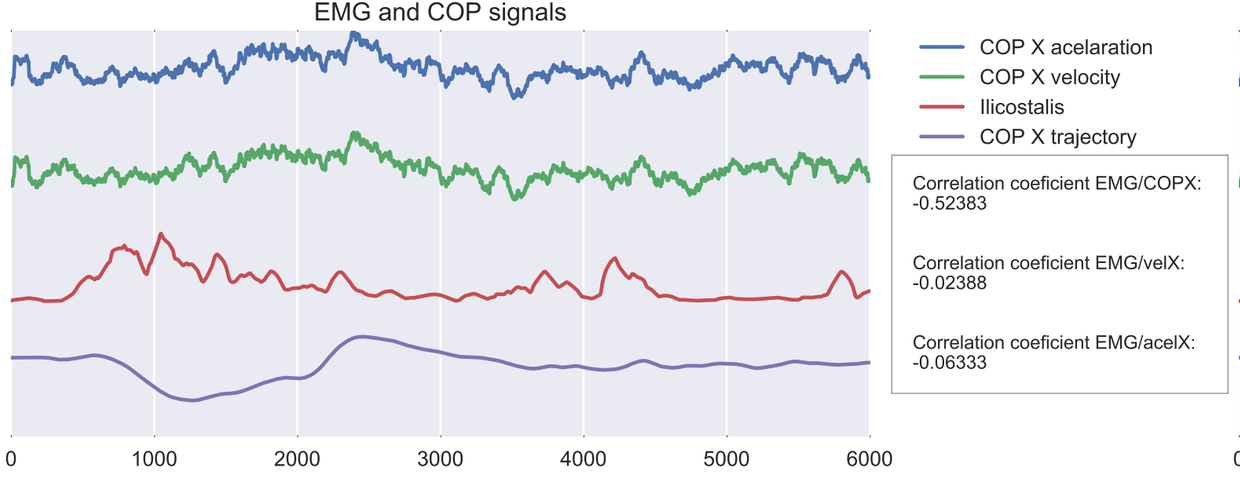
Correlation coeficient EMG/velX: 0.50873

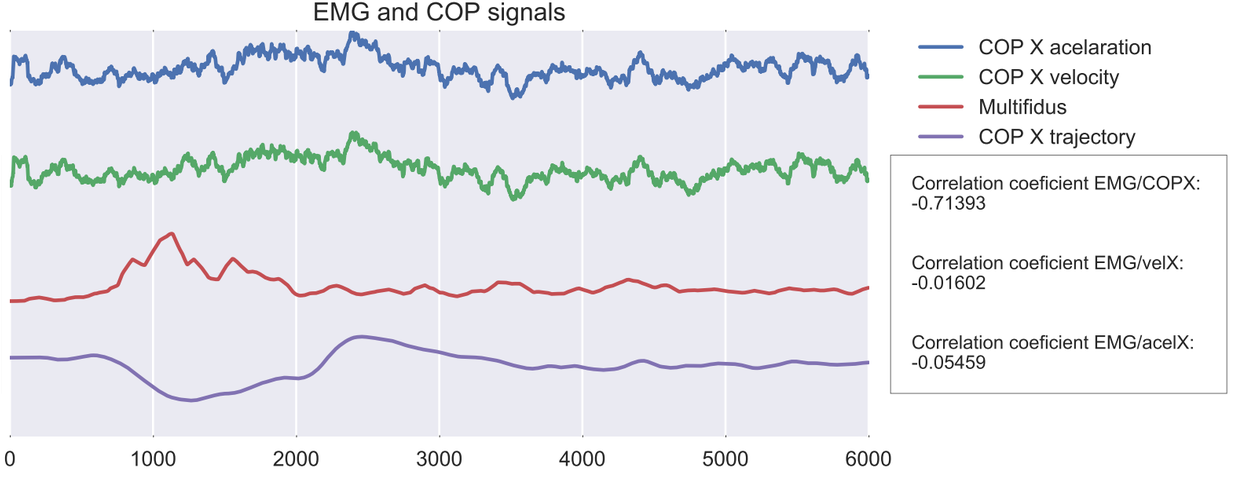
Correlation coeficient EMG/acelX: 0.48556

Same muscle/ Right Left - Reach_C
Patient1 Healthy

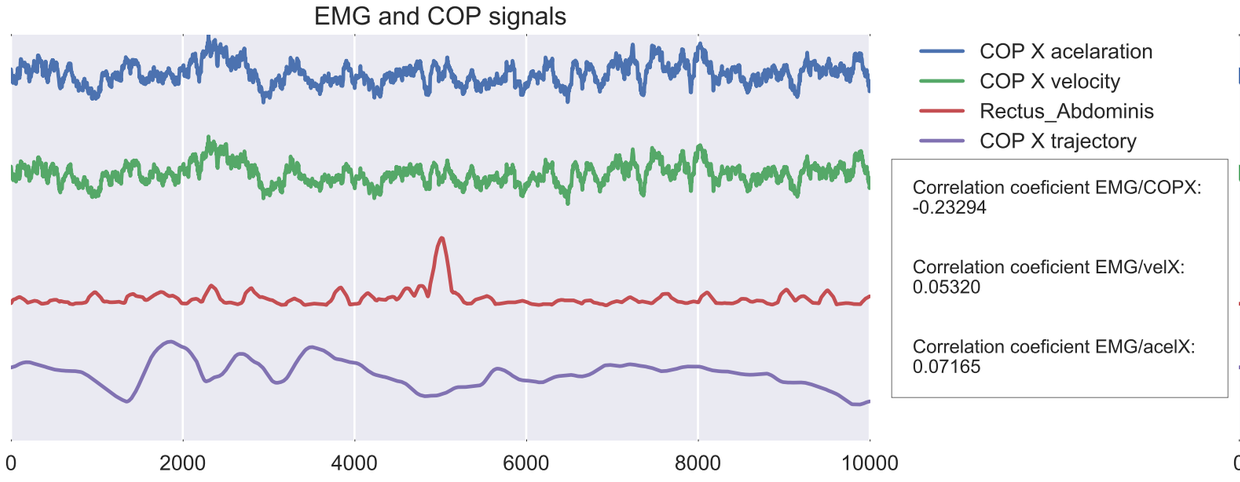


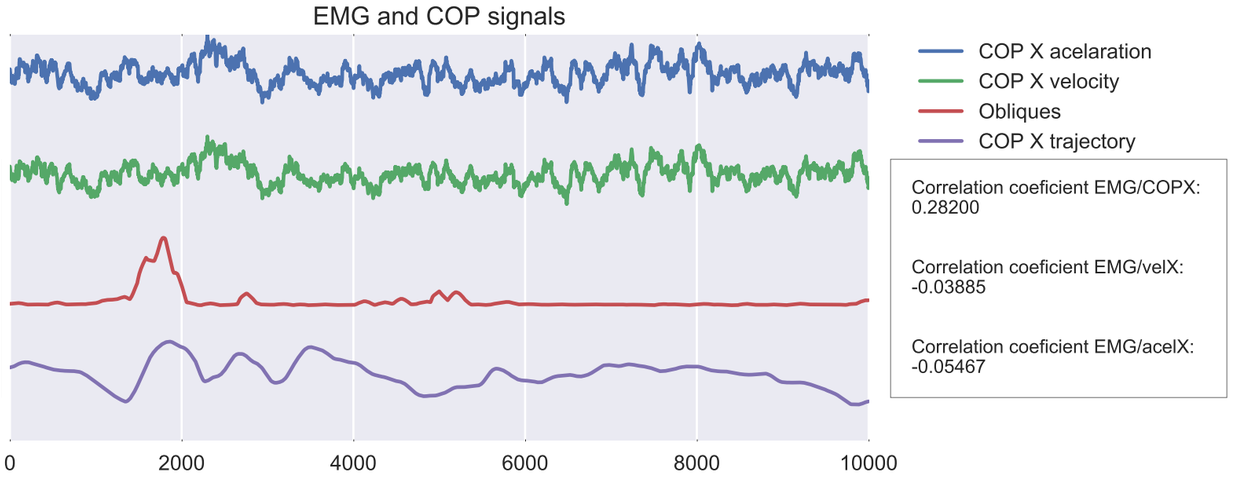


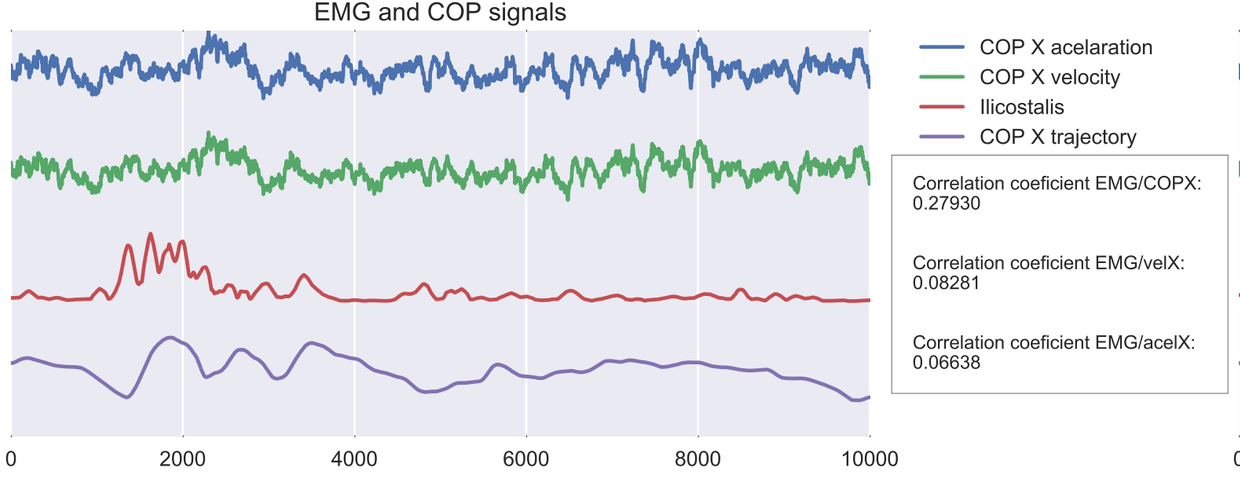


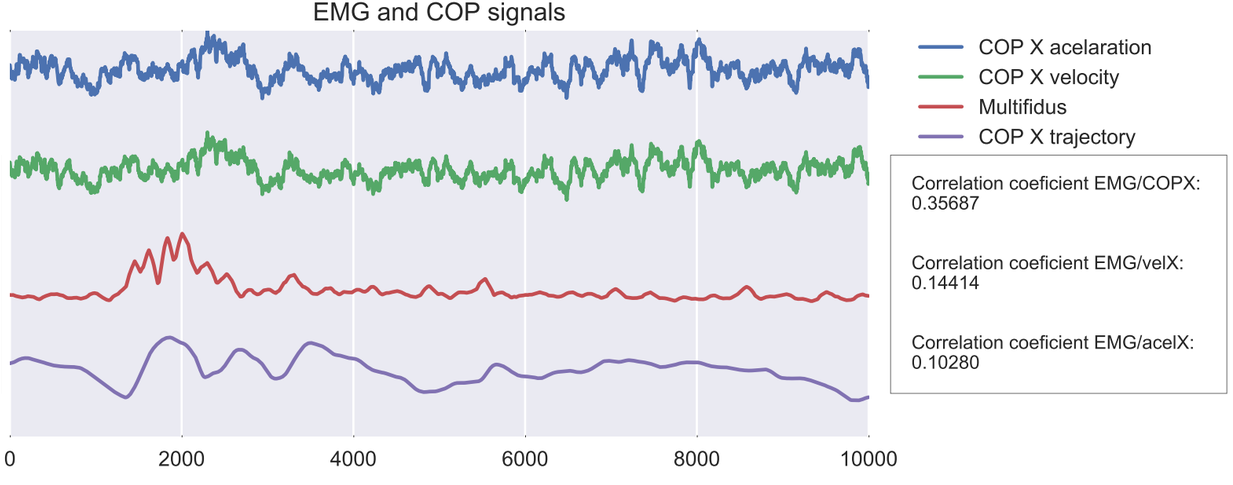


Same muscle/ Right Left - Reach_Ground
Patient1 Healthy

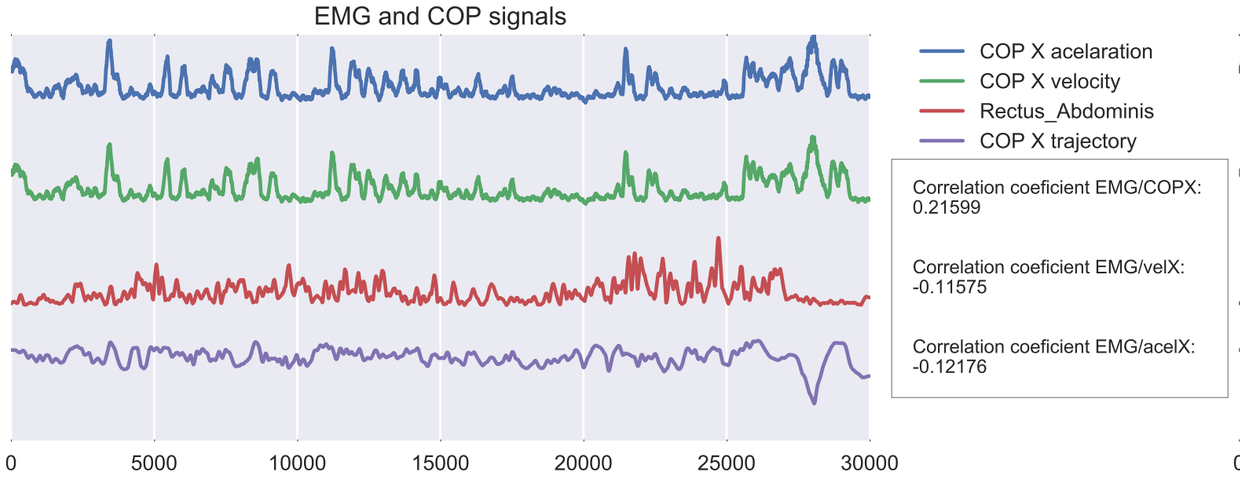


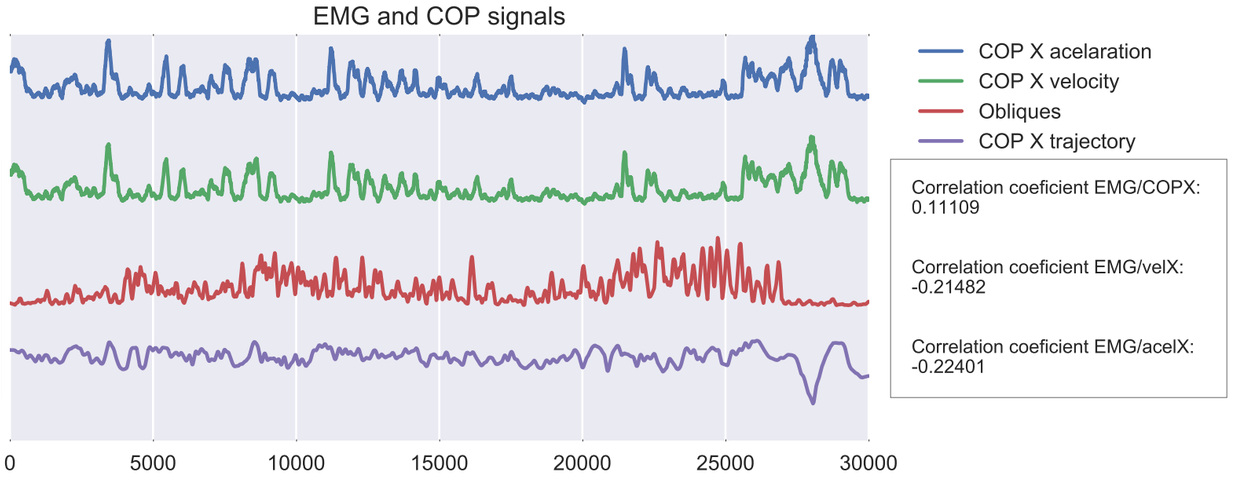


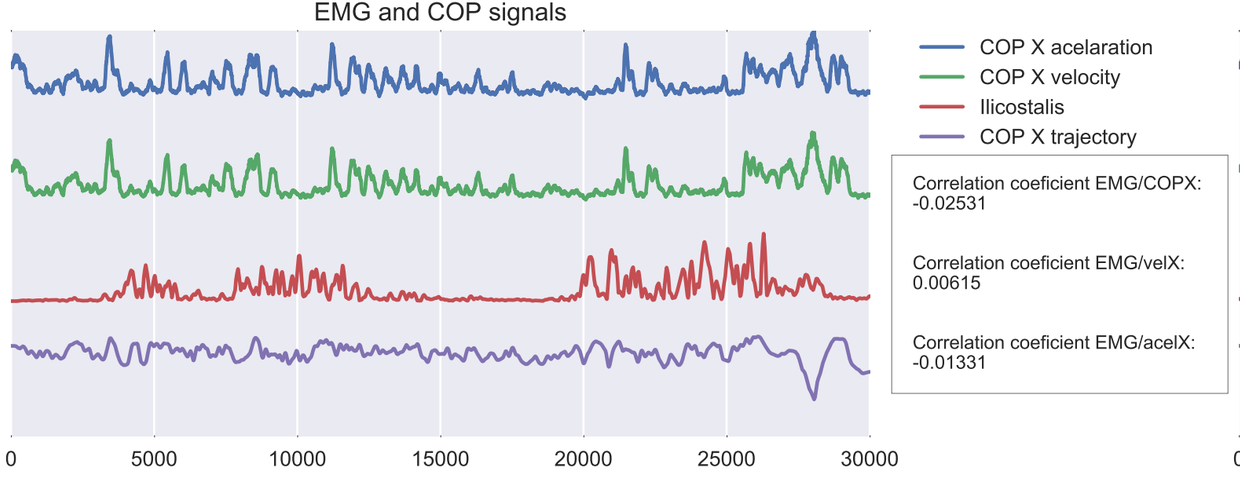


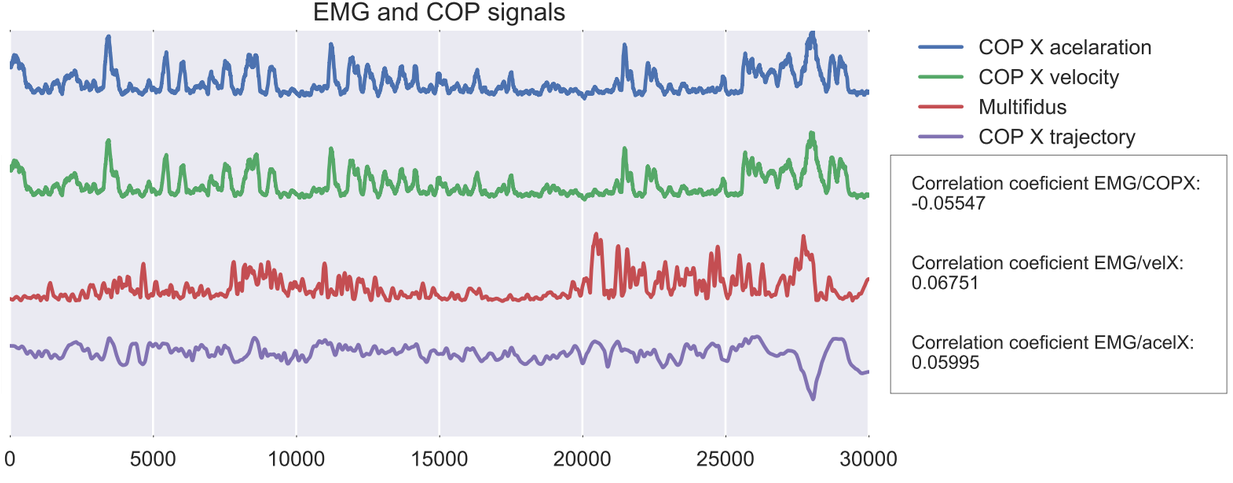


Same muscle/ Right Left - OneFootStanding_R_EC
Patient1 Healthy

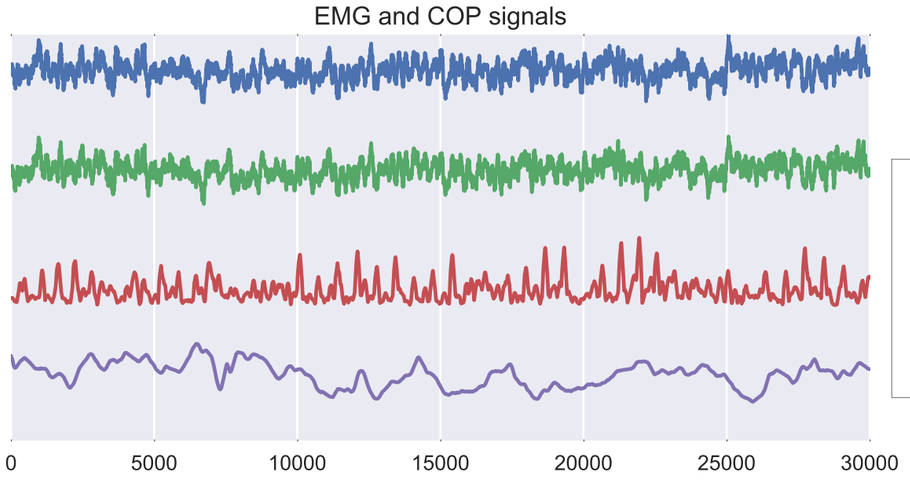








Same muscle/ Right Left - Standing_EC
Patient1 Healthy

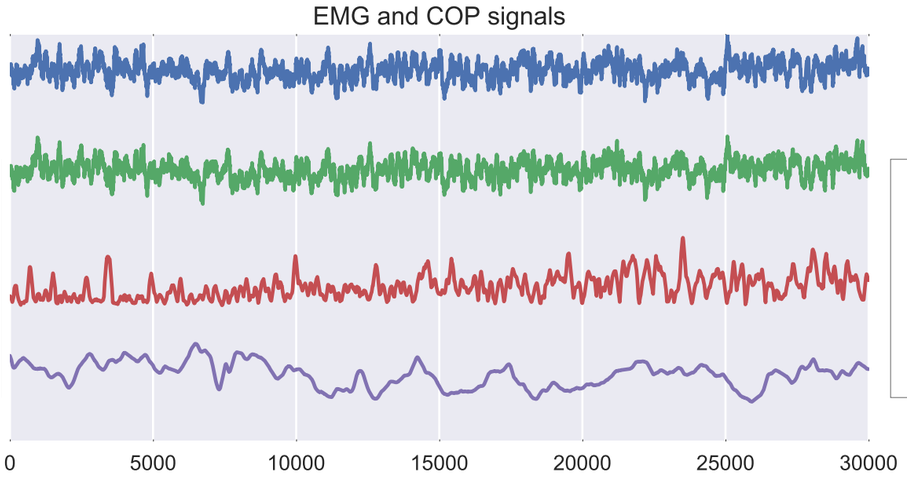


COP X acelaration
COP X velocity
Rectus_Abdominis
COP X trajectory

Correlation coeficient EMG/COPX: 0.03099

Correlation coeficient EMG/velX: -0.04194

Correlation coeficient EMG/acelX: -0.06318

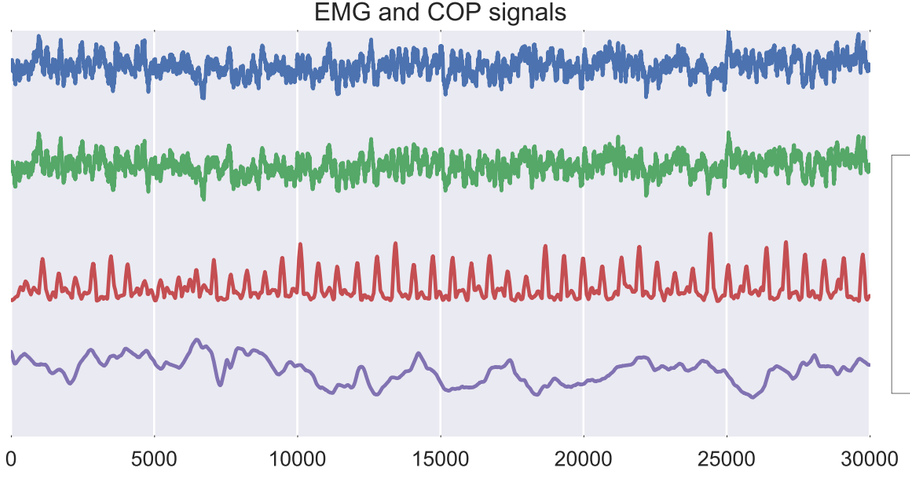


COP X acelaration
COP X velocity
Obliques
COP X trajectory

Correlation coeficient EMG/COPX: -0.15143

Correlation coeficient EMG/velX: -0.01006

Correlation coeficient EMG/acelX: -0.00801

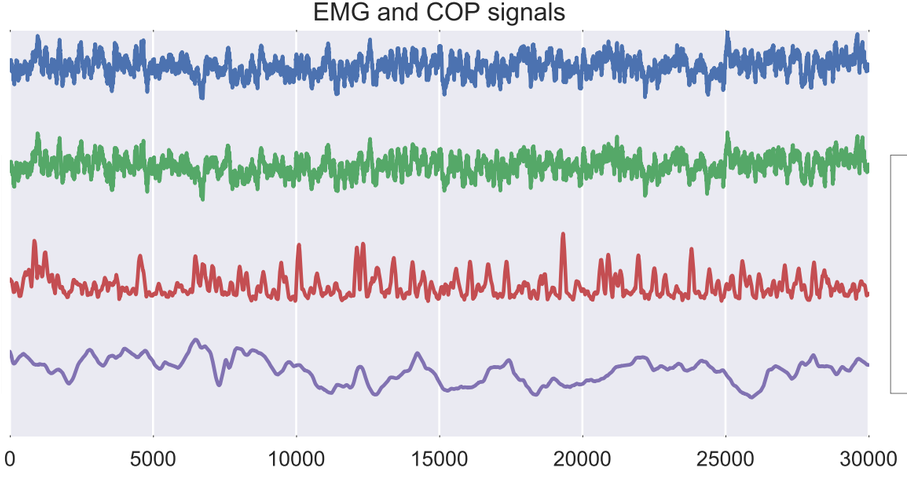


COP X acelaration
COP X velocity
Ilicostalis
COP X trajectory

Correlation coeficient EMG/COPX: 0.01918

Correlation coeficient EMG/velX: -0.07224

Correlation coeficient EMG/acelX: -0.10227



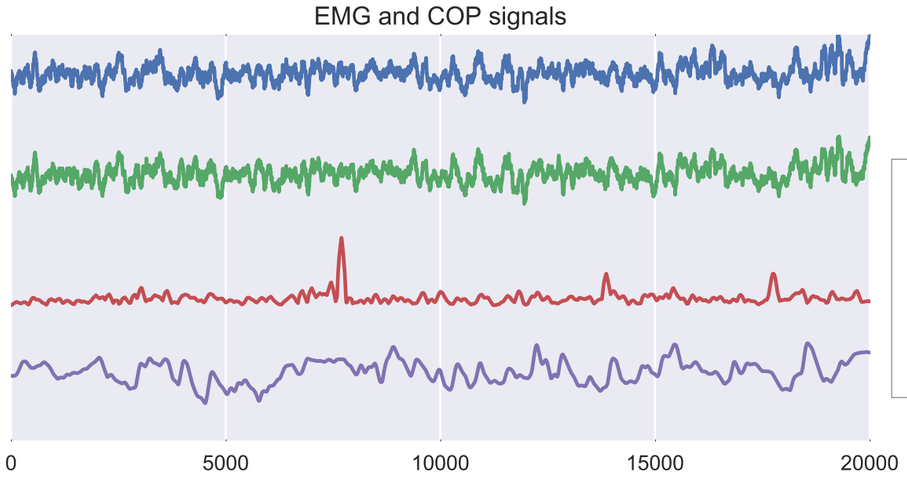
COP X acelaration
COP X velocity
Multifidus
COP X trajectory

Correlation coeficient EMG/COPX: 0.07136

Correlation coeficient EMG/velX: 0.03233

Correlation coeficient EMG/acelX: 0.03133

Same muscle/ Right Left - OneFootStanding_L_EC
Patient1 Healthy

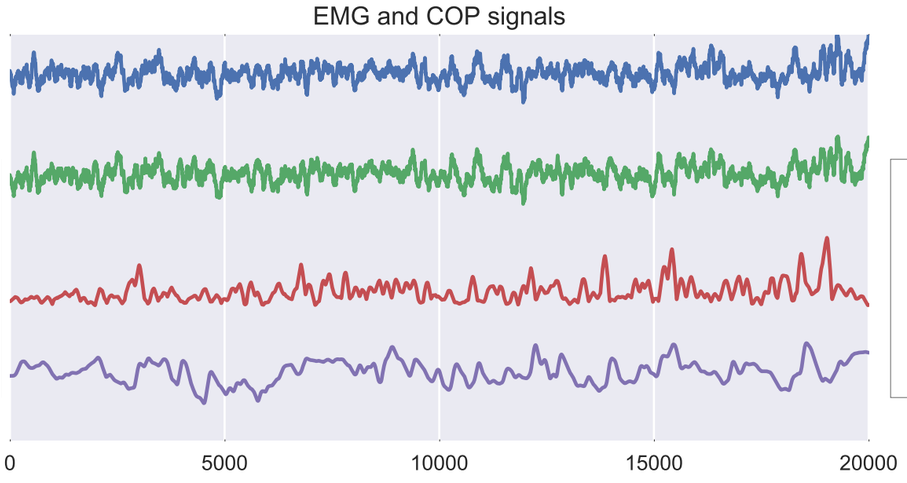


COP X acelaration
COP X velocity
Rectus_Abdominis
COP X trajectory

Correlation coeficient EMG/COPX: 0.22047

Correlation coeficient EMG/velX: 0.08847

Correlation coeficient EMG/acelX: 0.07718

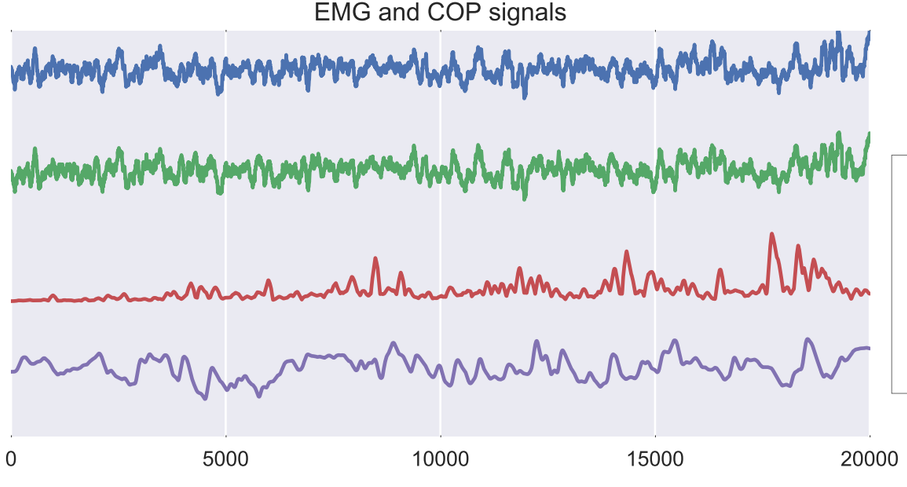


COP X acelaration
COP X velocity
Obliques
COP X trajectory

Correlation coeficient EMG/COPX: 0.00806

Correlation coeficient EMG/velX: -0.00133

Correlation coeficient EMG/acelX: -0.01738

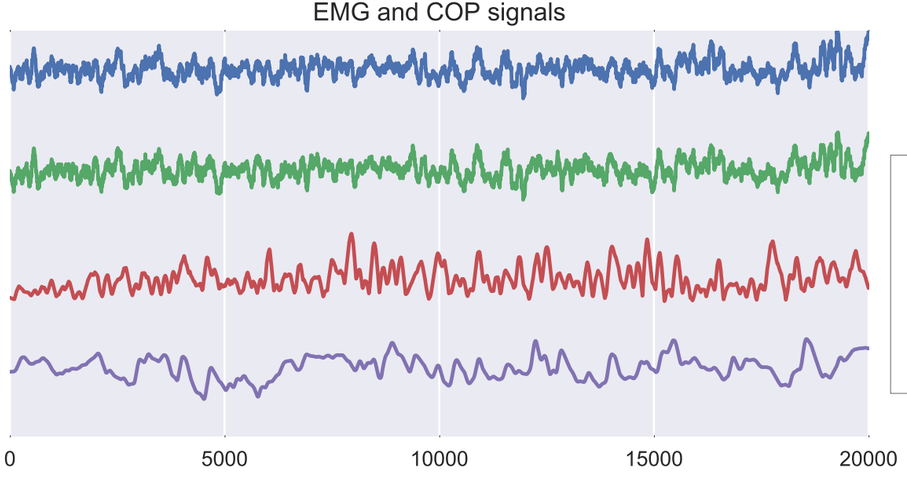


COP X acelaration
COP X velocity
Ilicostalis
COP X trajectory

Correlation coeficient EMG/COPX: 0.01078

Correlation coeficient EMG/velX: 0.09927

Correlation coeficient EMG/acelX: 0.08694



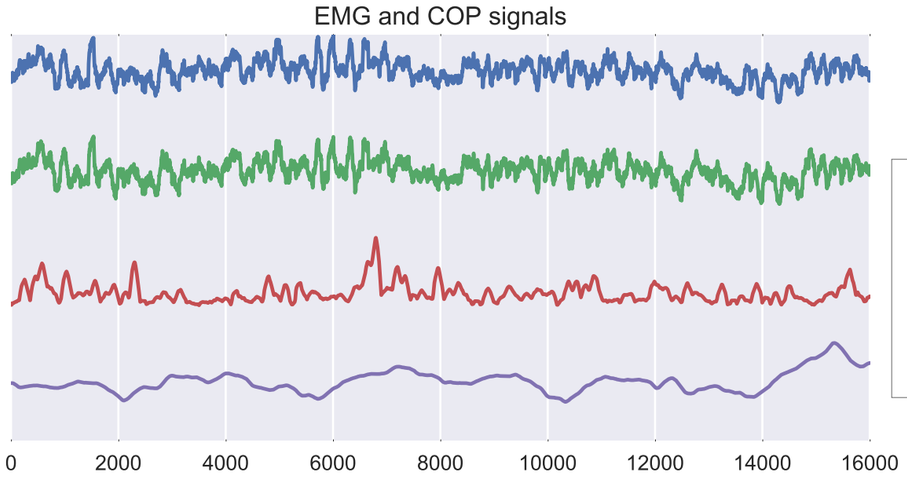
COP X acelaration
COP X velocity
Multifidus
COP X trajectory

Correlation coeficient EMG/COPX: 0.15526

Correlation coeficient EMG/velX: 0.18630

Correlation coeficient EMG/acelX: 0.12876

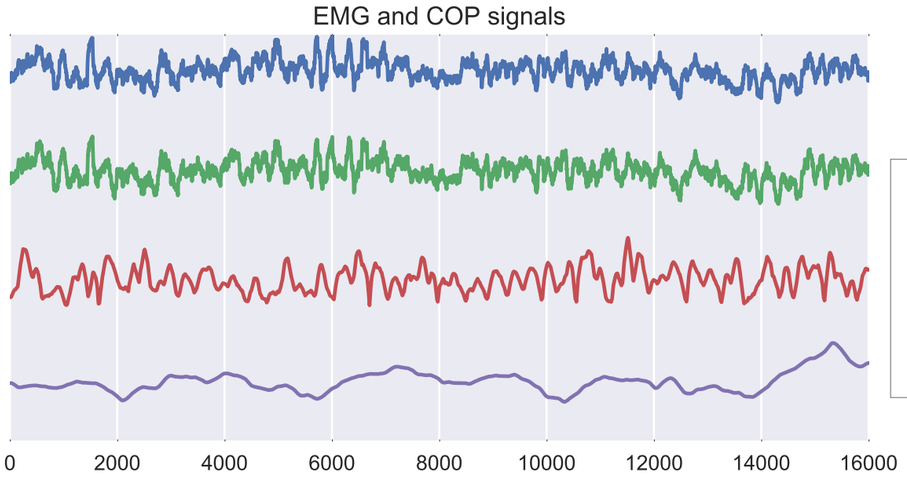
Same muscle/ Right Left - Arms_extension
Patient1 Healthy



Correlation coeficient EMG/COPX: 0.03698

Correlation coeficient EMG/velX: 0.17572

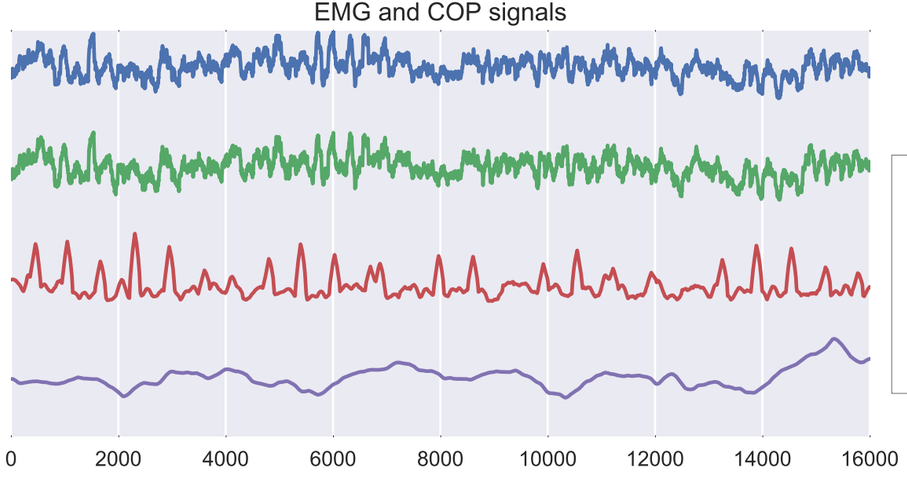
Correlation coeficient EMG/acelX: 0.16433



Correlation coeficient EMG/COPX: 0.11337

Correlation coeficient EMG/velX: -0.09944

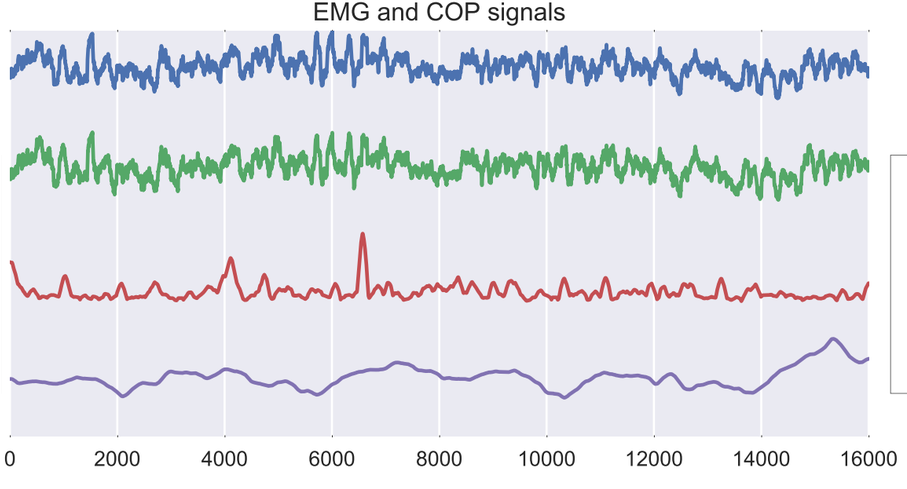
Correlation coeficient EMG/acelX: -0.11349



Correlation coeficient EMG/COPX: -0.10433

Correlation coeficient EMG/velX: 0.11827

Correlation coeficient EMG/acelX: 0.11792

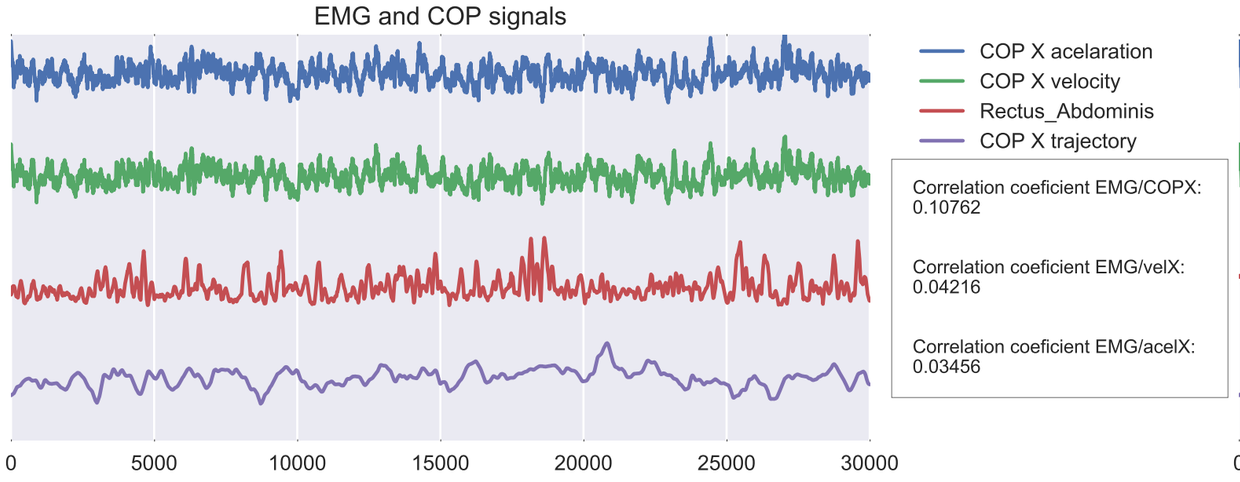


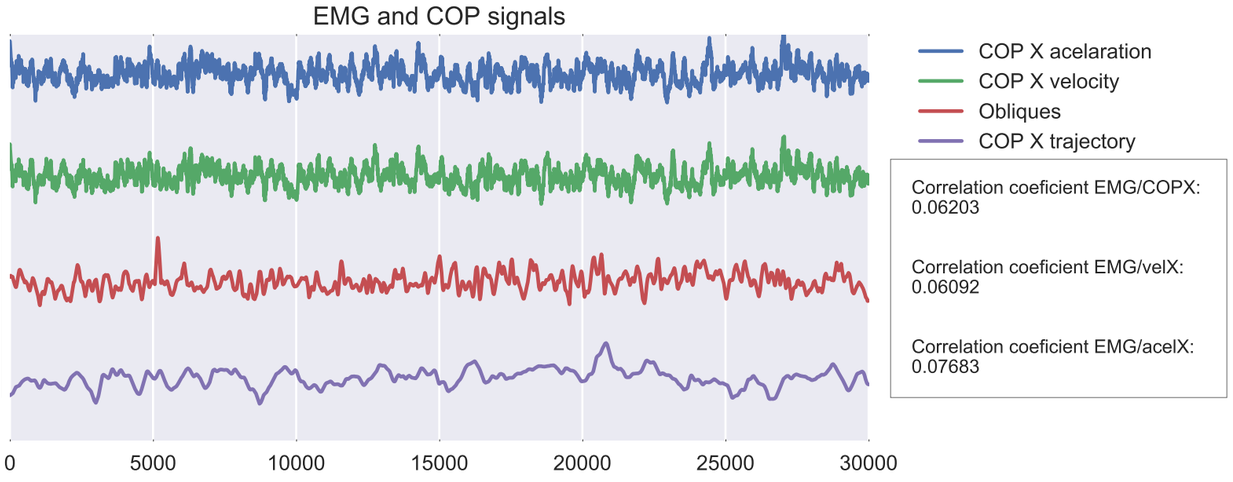
Correlation coeficient EMG/COPX: -0.03667

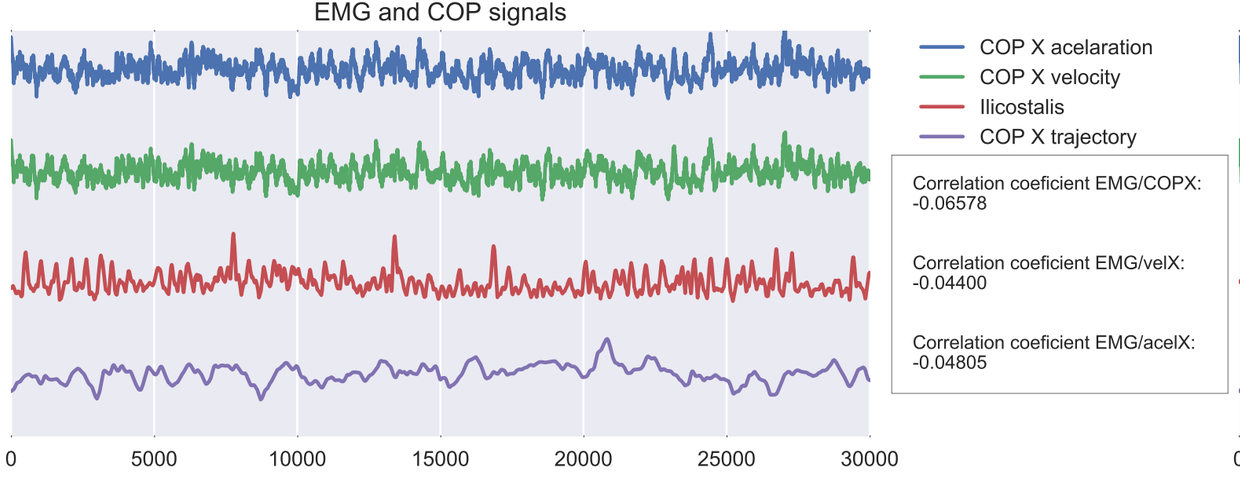
Correlation coeficient EMG/velX: 0.17363

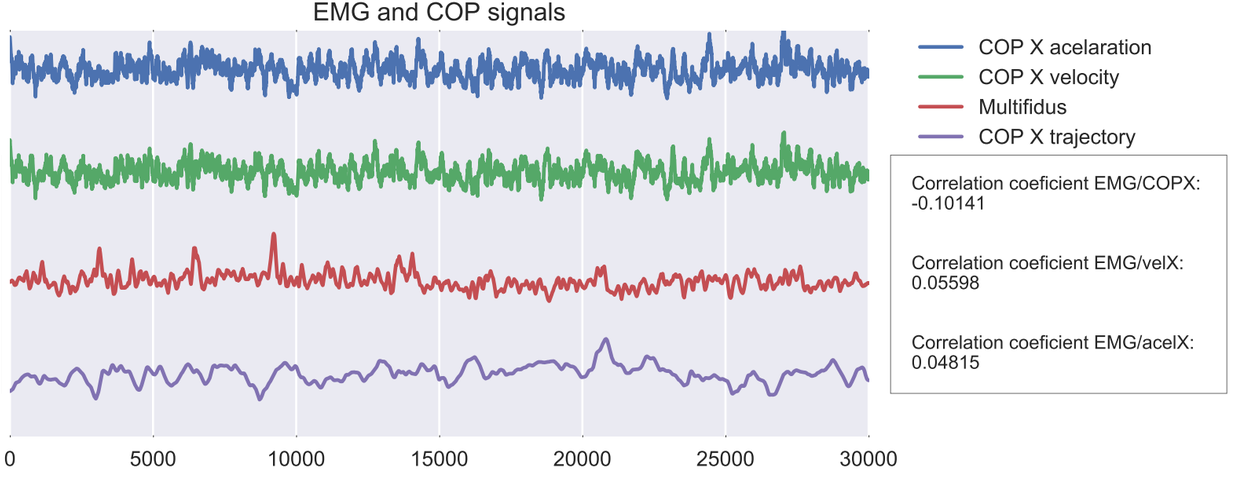
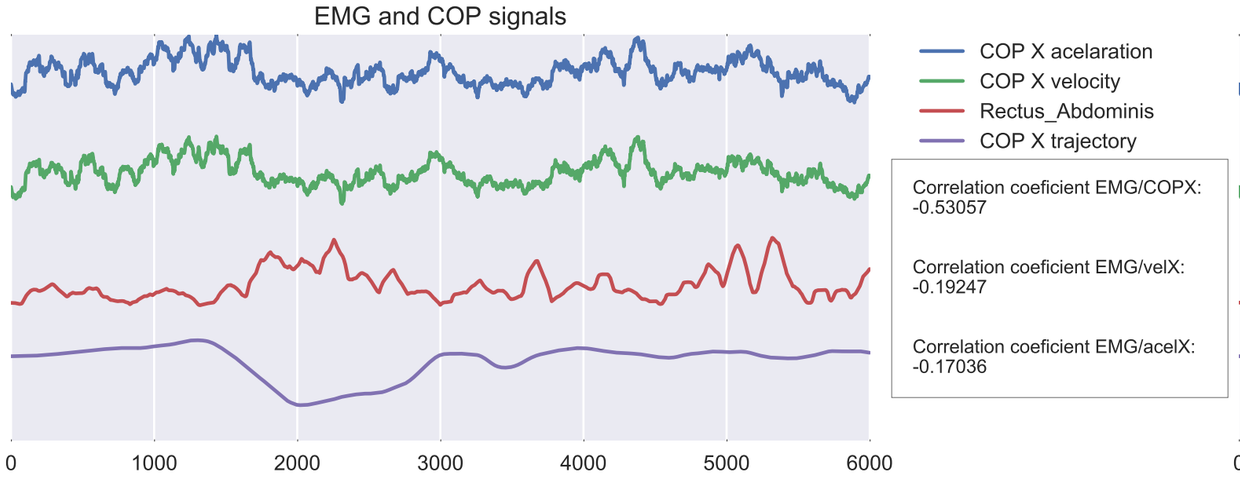
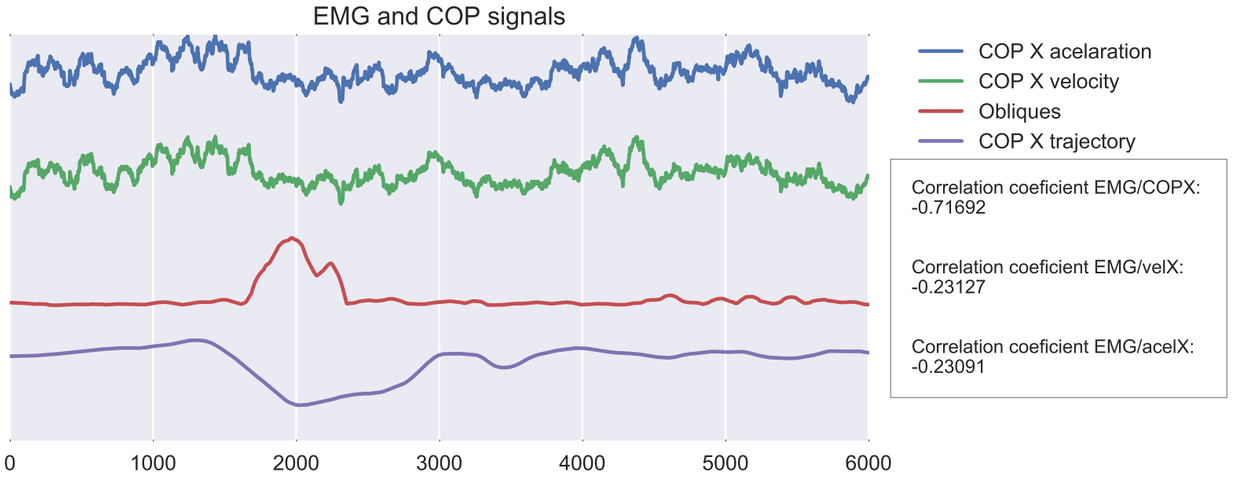
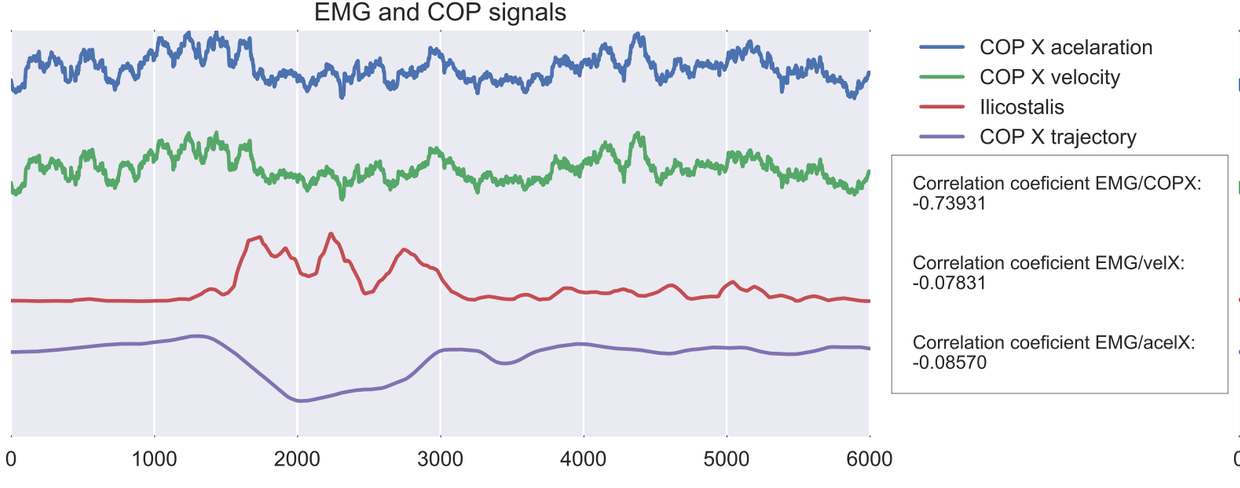
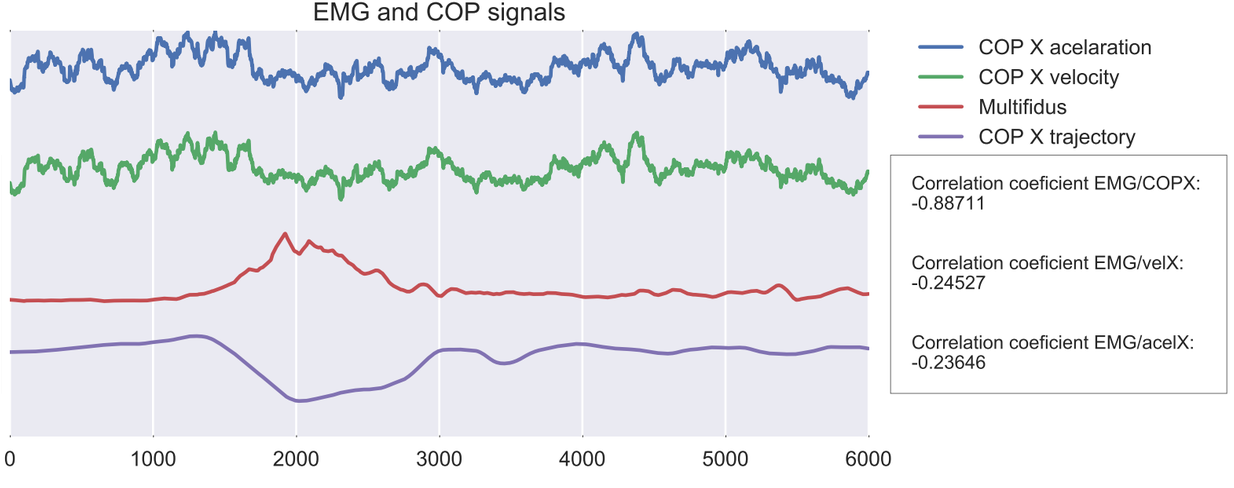
Correlation coeficient EMG/acelX: 0.17409

Same muscle/ Right Left - OneFootStanding_L_EO
Patient1 Healthy









Same muscle/ Right Left - Reach_R
Patient1 Healthy