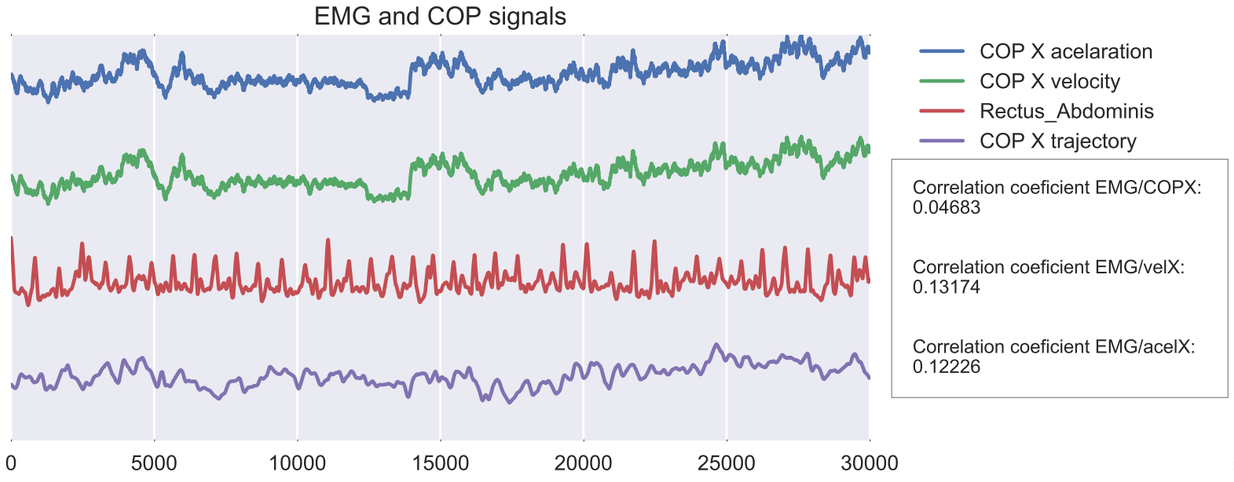
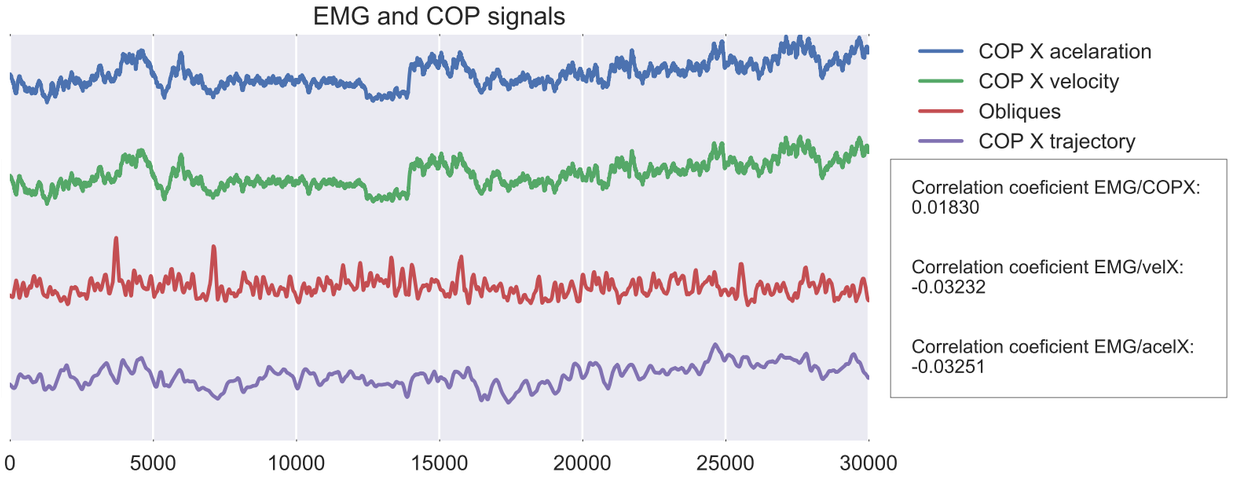
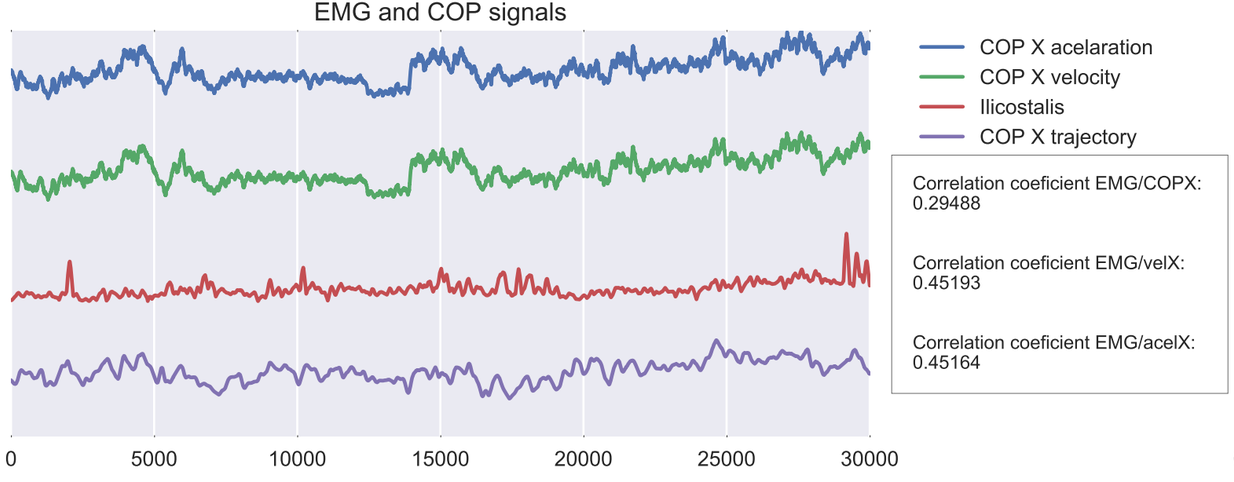
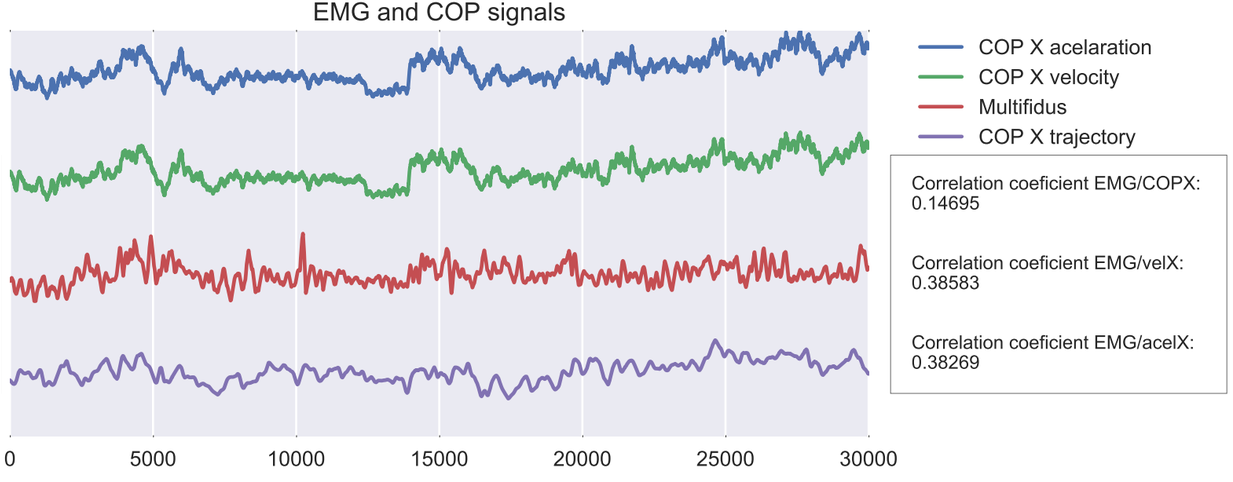
Same muscle/ Right Left - OneFootStanding_R_EO
Patient2 Healthy

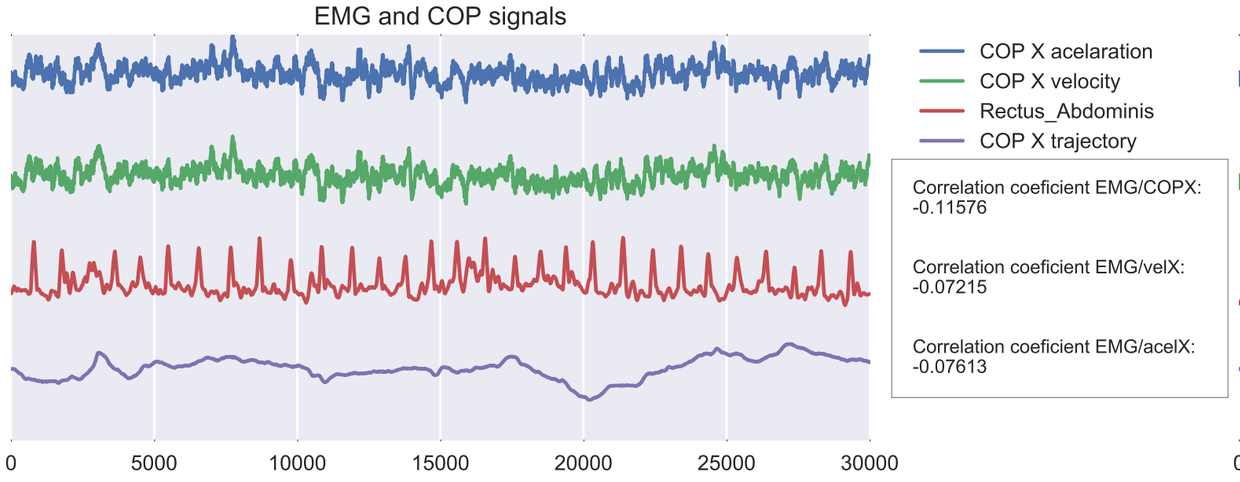


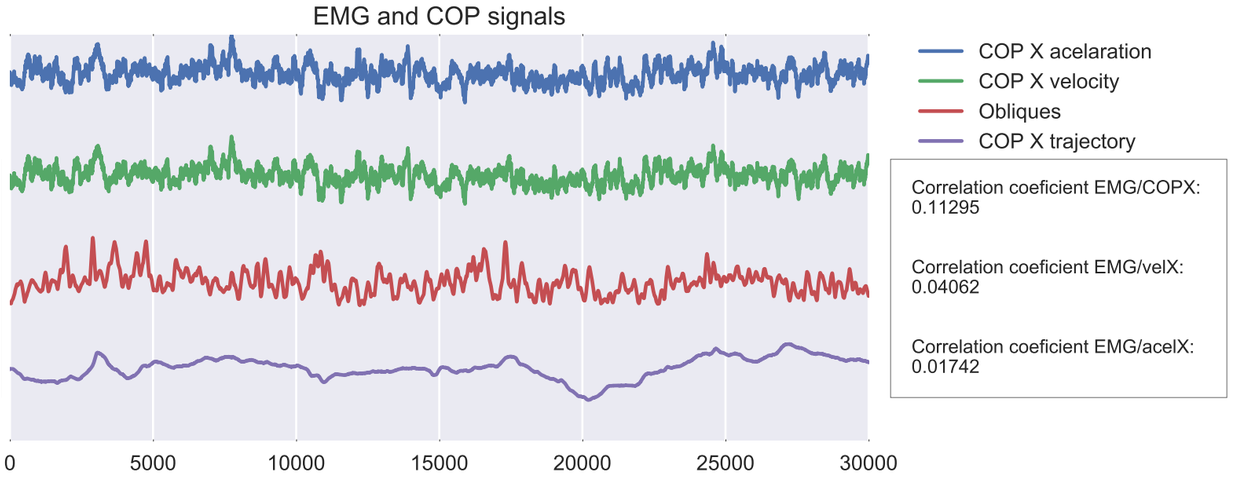


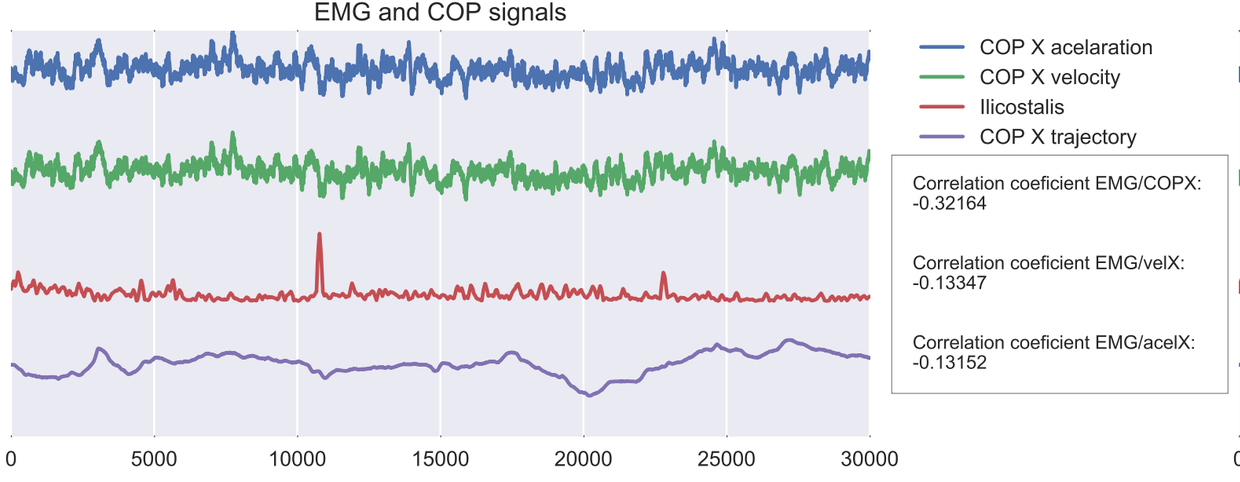


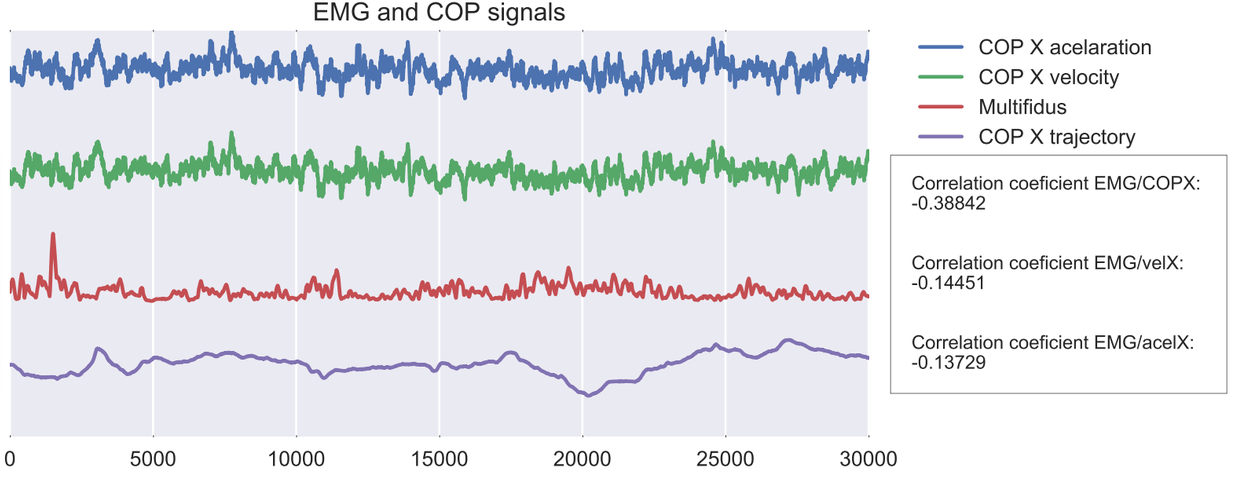


Same muscle/ Right Left - Standing_EO
Patient2 Healthy

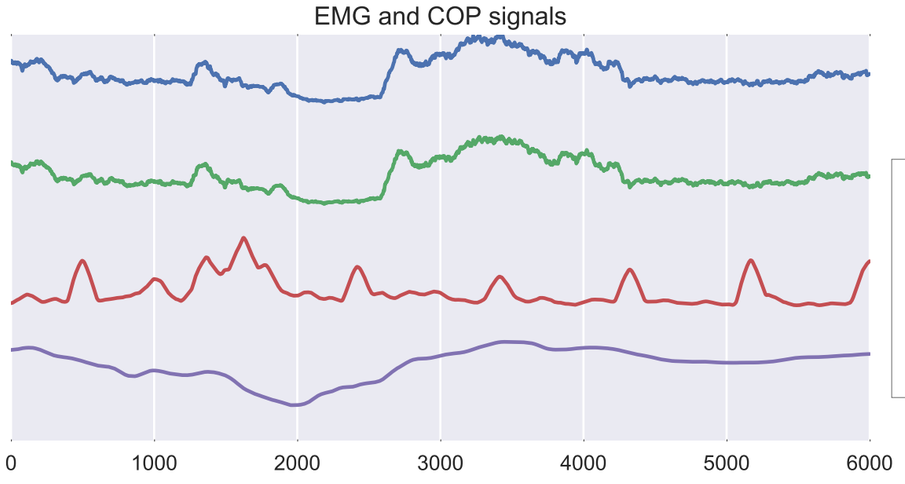








Same muscle/ Right Left - Reach_L
Patient2 Healthy

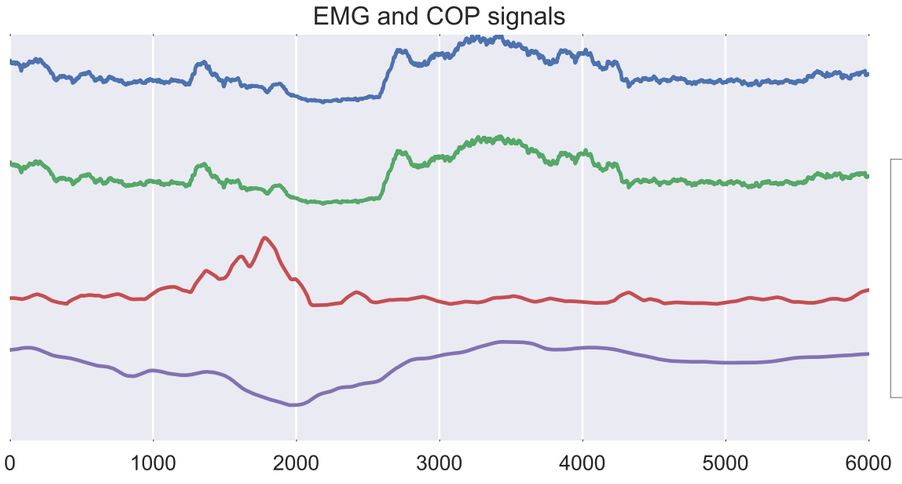


COP X acelaration
COP X velocity
Rectus_Abdominis
COP X trajectory

Correlation coeficient EMG/COPX: -0.36332

Correlation coeficient EMG/velX: -0.20284

Correlation coeficient EMG/acelX: -0.19662

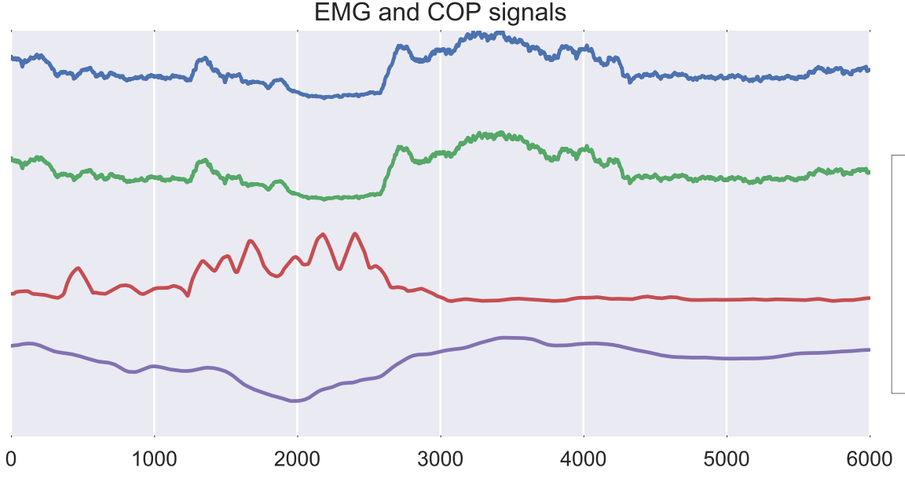


COP X acelaration
COP X velocity
Obliques
COP X trajectory

Correlation coeficient EMG/COPX: -0.57399

Correlation coeficient EMG/velX: -0.23692

Correlation coeficient EMG/acelX: -0.23153

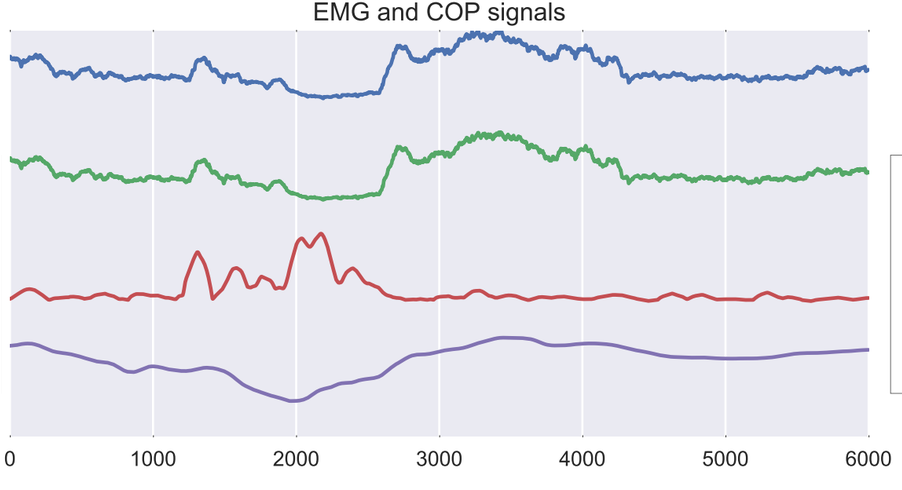


COP X acelaration
COP X velocity
Ilicostalis
COP X trajectory

Correlation coeficient EMG/COPX: -0.81464

Correlation coeficient EMG/velX: -0.58440

Correlation coeficient EMG/acelX: -0.57964



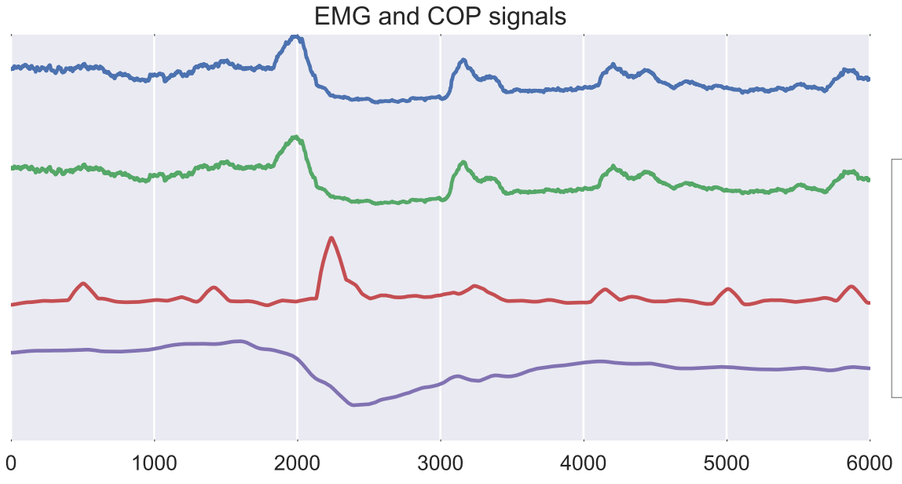
COP X acelaration
COP X velocity
Multifidus
COP X trajectory

Correlation coeficient EMG/COPX: -0.70192

Correlation coeficient EMG/velX: -0.46677

Correlation coeficient EMG/acelX: -0.46615

Same muscle/ Right Left - Reach_C
Patient2 Healthy

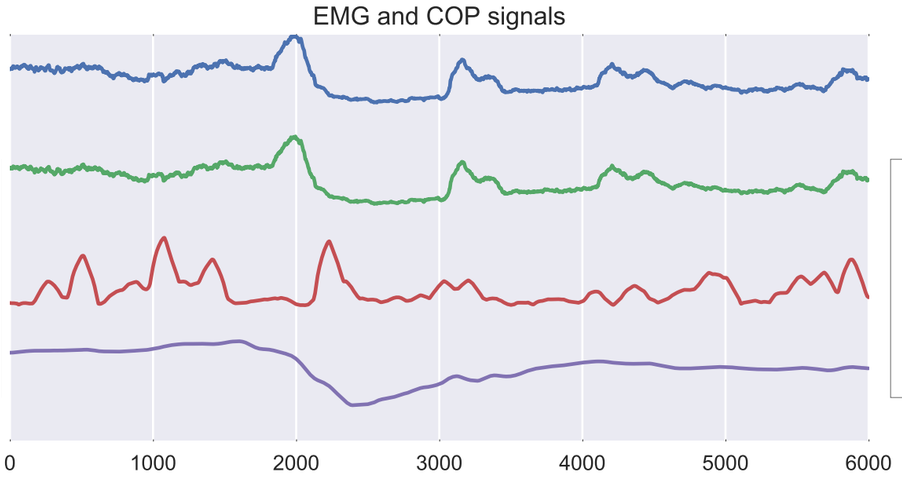


COP X acelaration
COP X velocity
Rectus_Abdominis
COP X trajectory

Correlation coeficient EMG/COPX: -0.37699

Correlation coeficient EMG/velX: -0.19044

Correlation coeficient EMG/acelX: -0.17861

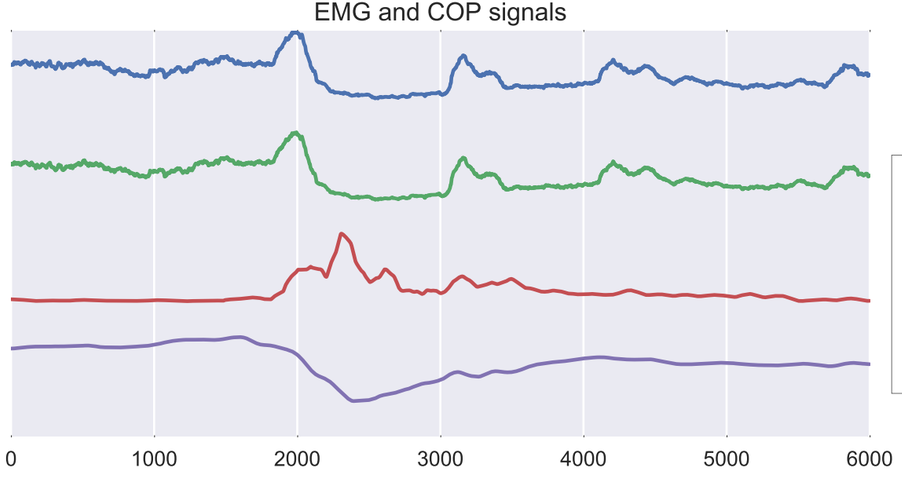


COP X acelaration
COP X velocity
Obliques
COP X trajectory

Correlation coeficient EMG/COPX: 0.12499

Correlation coeficient EMG/velX: 0.03056

Correlation coeficient EMG/acelX: 0.03045

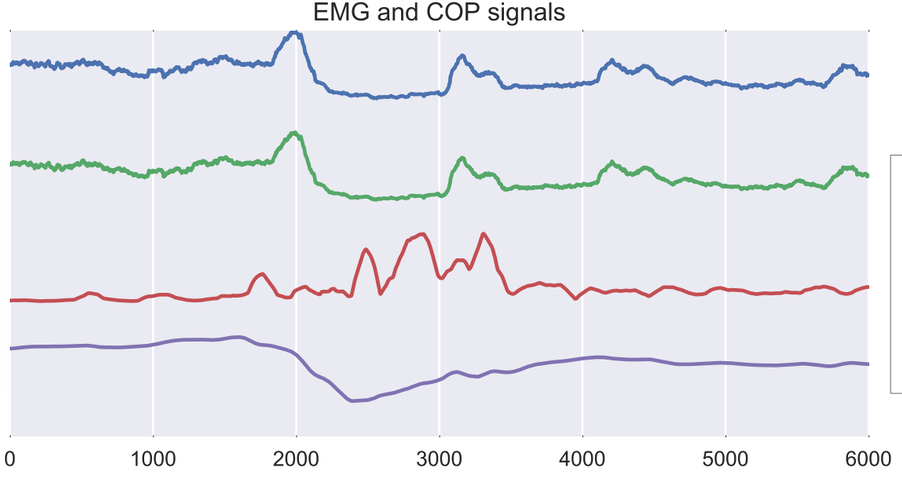


COP X acelaration
COP X velocity
Ilicostalis
COP X trajectory

Correlation coeficient EMG/COPX: -0.70657

Correlation coeficient EMG/velX: -0.29205

Correlation coeficient EMG/acelX: -0.27750



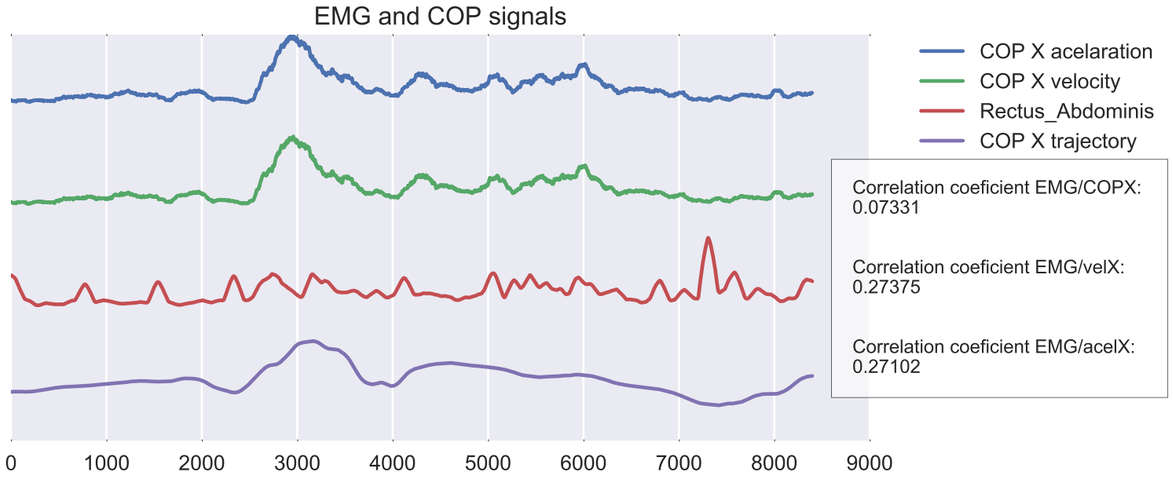
COP X acelaration
COP X velocity
Multifidus
COP X trajectory

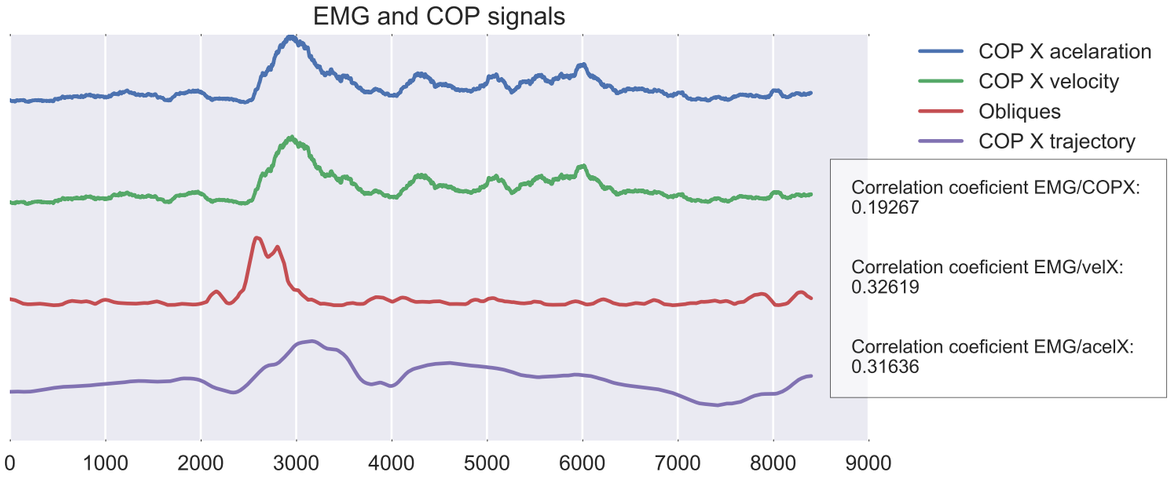
Correlation coeficient EMG/COPX: -0.61678

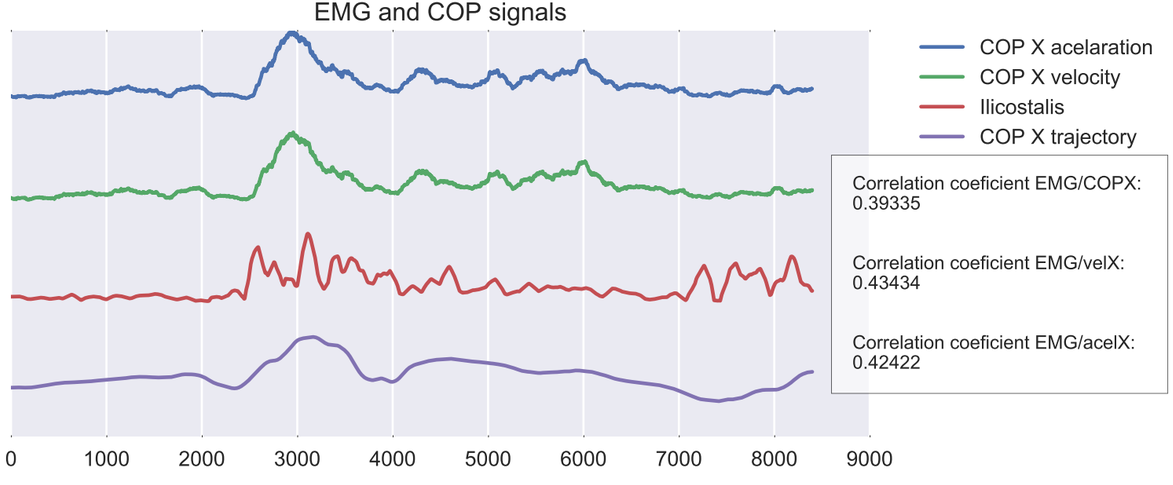
Correlation coeficient EMG/velX: -0.38882

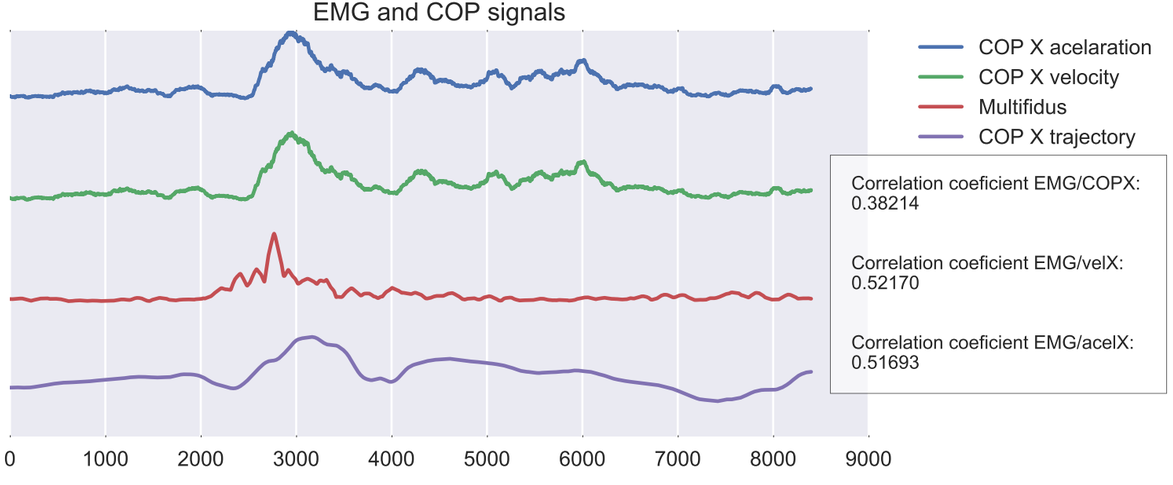
Correlation coeficient EMG/acelX: -0.37912

Same muscle/ Right Left - Reach_Ground
Patient2 Healthy

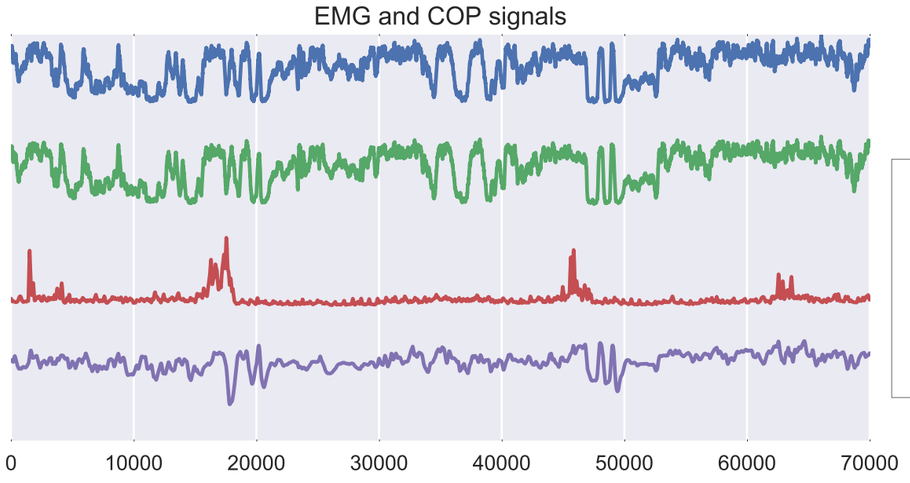








Same muscle/ Right Left - OneFootStanding_R_EC
Patient2 Healthy

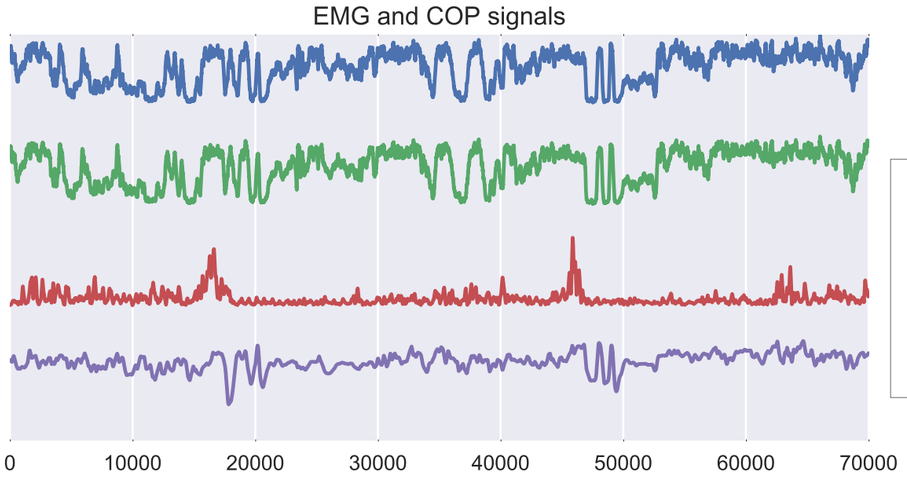


COP X acelaration
COP X velocity
Rectus_Abdominis
COP X trajectory

Correlation coeficient EMG/COPX: 0.07269

Correlation coeficient EMG/velX: 0.11419

Correlation coeficient EMG/acelX: 0.10831

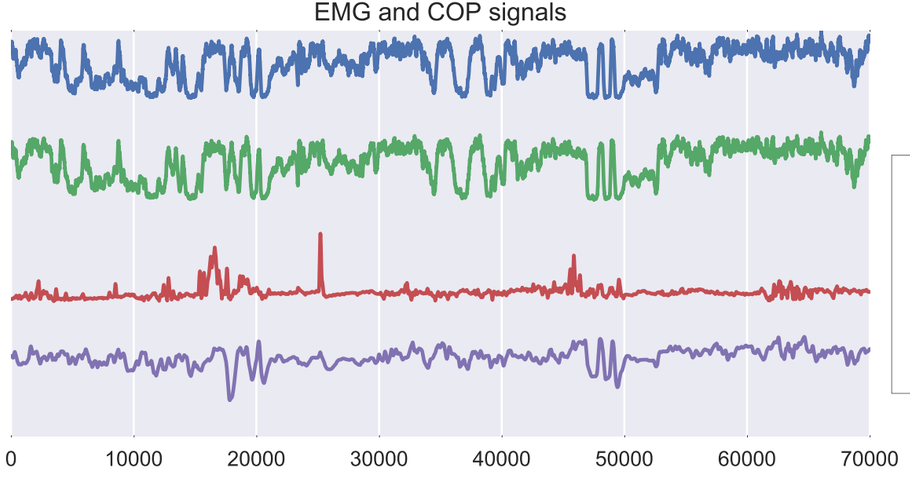


COP X acelaration
COP X velocity
Obliques
COP X trajectory

Correlation coeficient EMG/COPX: 0.15128

Correlation coeficient EMG/velX: 0.11393

Correlation coeficient EMG/acelX: 0.11261

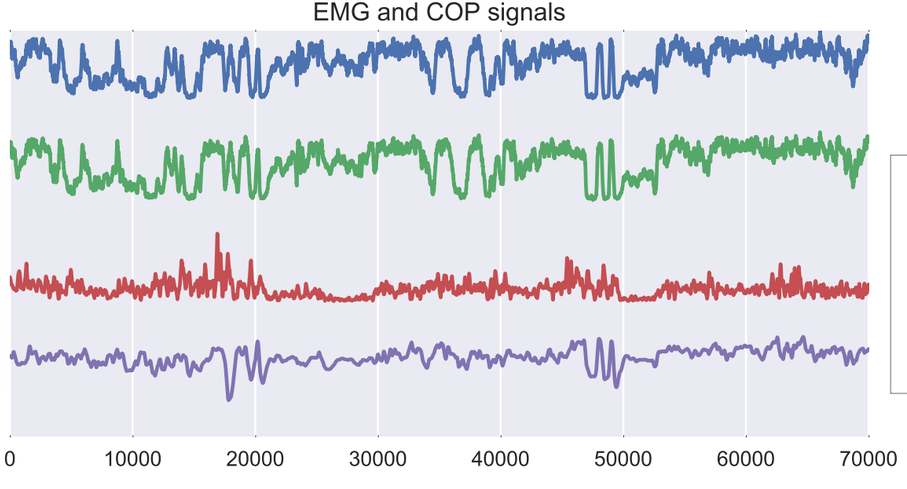


COP X acelaration
COP X velocity
Ilicostalis
COP X trajectory

Correlation coeficient EMG/COPX: 0.15353

Correlation coeficient EMG/velX: 0.21439

Correlation coeficient EMG/acelX: 0.21389



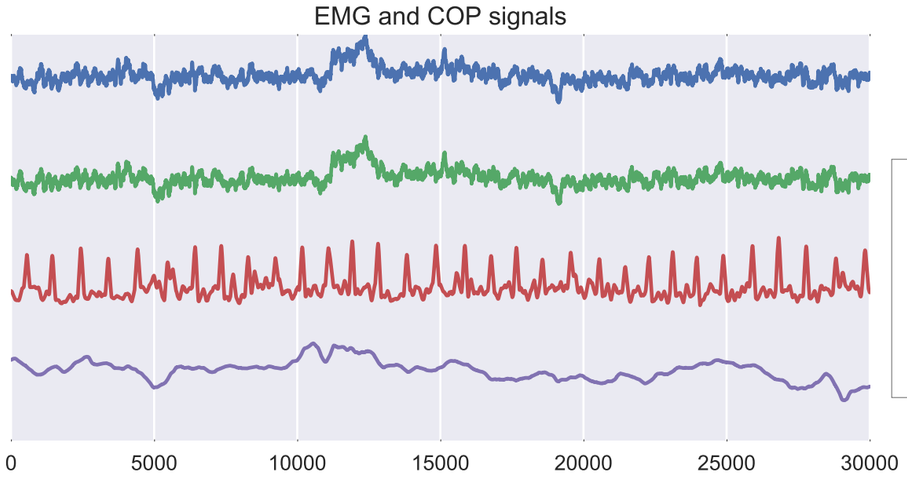
COP X acelaration
COP X velocity
Multifidus
COP X trajectory

Correlation coeficient EMG/COPX: -0.07629

Correlation coeficient EMG/velX: 0.05896

Correlation coeficient EMG/acelX: 0.05629

Same muscle/ Right Left - Standing_EC
Patient2 Healthy

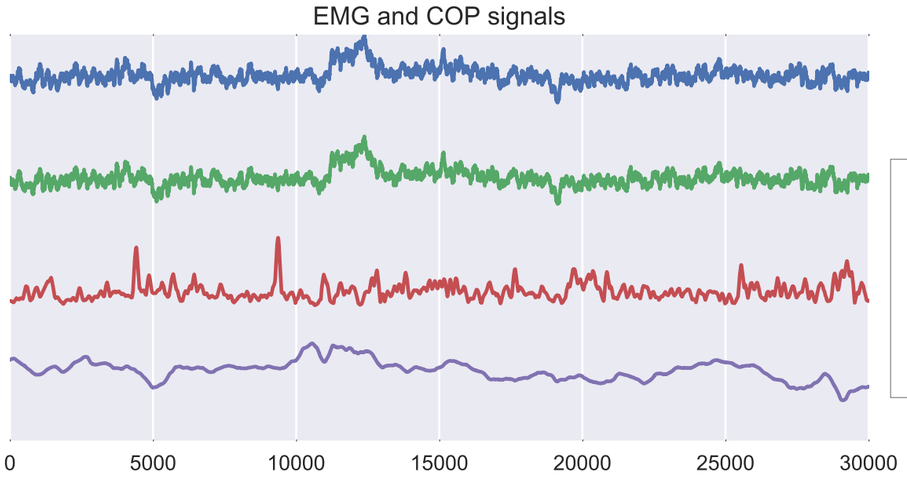


COP X acelaration
COP X velocity
Rectus_Abdominis
COP X trajectory

Correlation coeficient EMG/COPX: -0.03478

Correlation coeficient EMG/velX: -0.02844

Correlation coeficient EMG/acelX: -0.03872

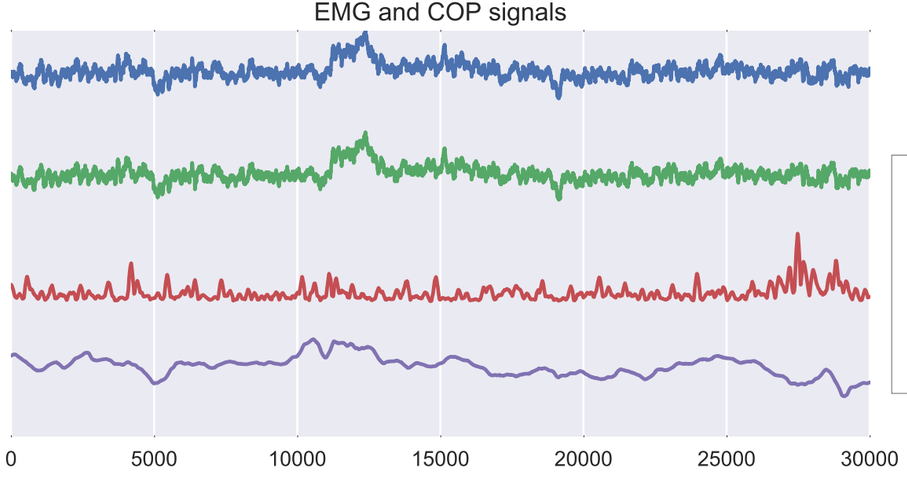


COP X acelaration
COP X velocity
Obliques
COP X trajectory

Correlation coeficient EMG/COPX: -0.25125

Correlation coeficient EMG/velX: -0.05530

Correlation coeficient EMG/acelX: -0.07103

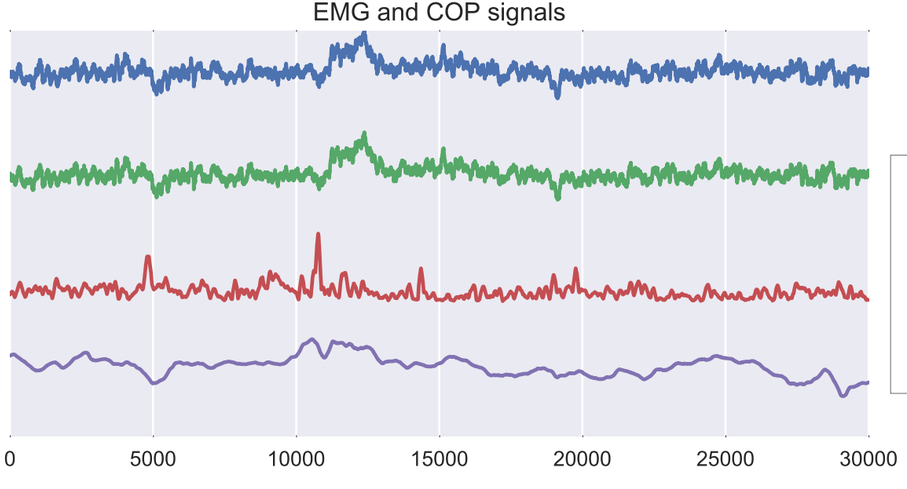


COP X acelaration
COP X velocity
Ilicostalis
COP X trajectory

Correlation coeficient EMG/COPX: -0.22229

Correlation coeficient EMG/velX: -0.05153

Correlation coeficient EMG/acelX: -0.05351



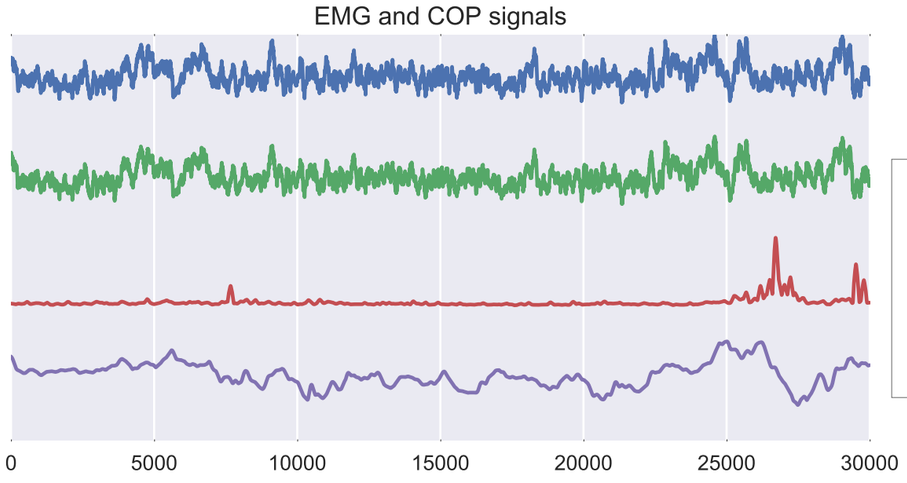
COP X acelaration
COP X velocity
Multifidus
COP X trajectory

Correlation coeficient EMG/COPX: 0.09015

Correlation coeficient EMG/velX: -0.09800

Correlation coeficient EMG/acelX: -0.10345

Same muscle/ Right Left - OneFootStanding_L_EC
Patient2 Healthy

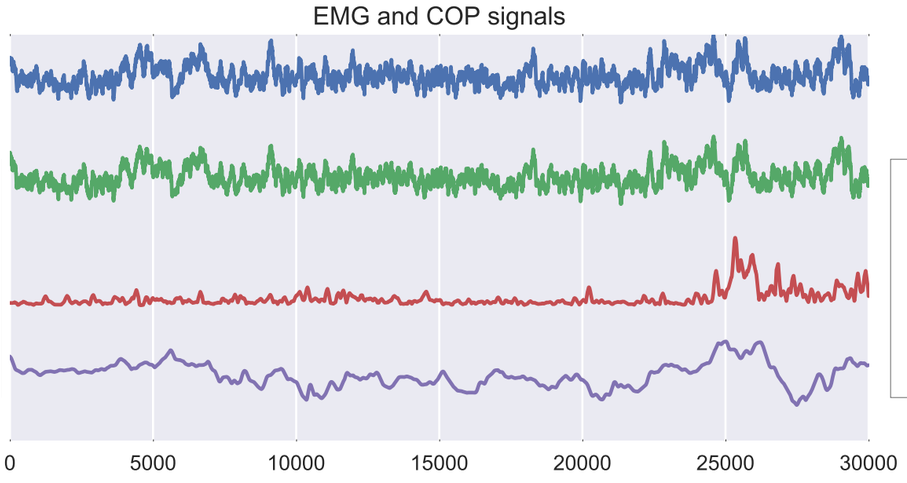


COP X acelaration
COP X velocity
Rectus_Abdominis
COP X trajectory

Correlation coeficient EMG/COPX: 0.14353

Correlation coeficient EMG/velX: 0.02439

Correlation coeficient EMG/acelX: 0.01139

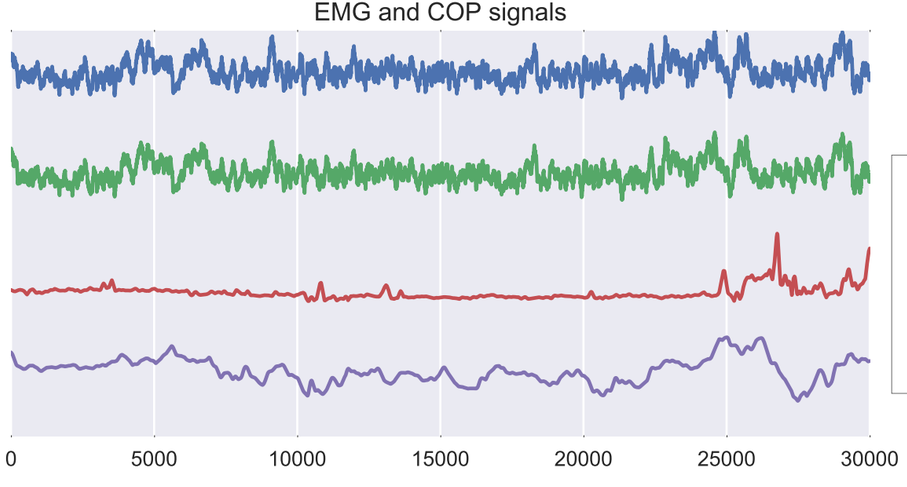


COP X acelaration
COP X velocity
Obliques
COP X trajectory

Correlation coeficient EMG/COPX: 0.30336

Correlation coeficient EMG/velX: 0.19645

Correlation coeficient EMG/acelX: 0.17577

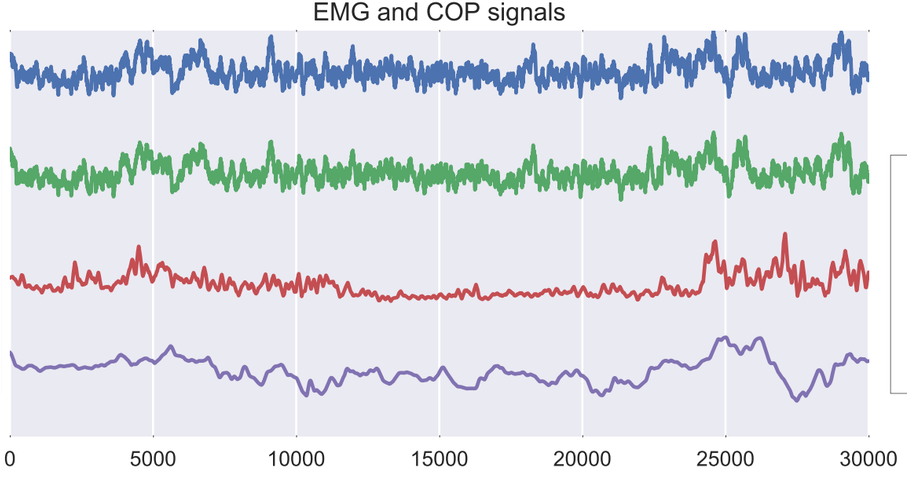


COP X acelaration
COP X velocity
Ilicostalis
COP X trajectory

Correlation coeficient EMG/COPX: 0.39616

Correlation coeficient EMG/velX: 0.03617

Correlation coeficient EMG/acelX: 0.01791



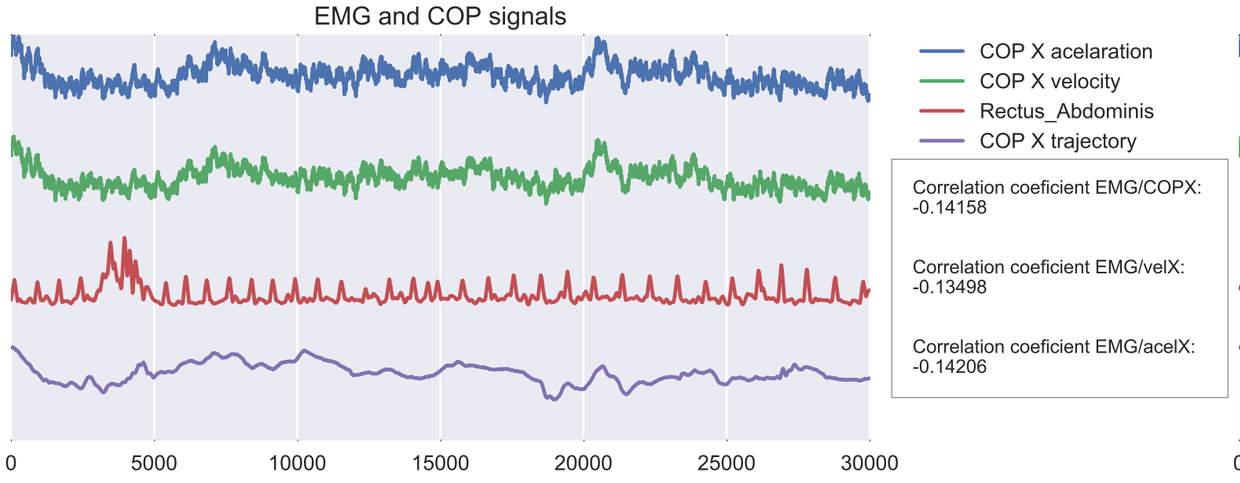
COP X acelaration
COP X velocity
Multifidus
COP X trajectory

Correlation coeficient EMG/COPX: 0.44838

Correlation coeficient EMG/velX: 0.36387

Correlation coeficient EMG/acelX: 0.32781

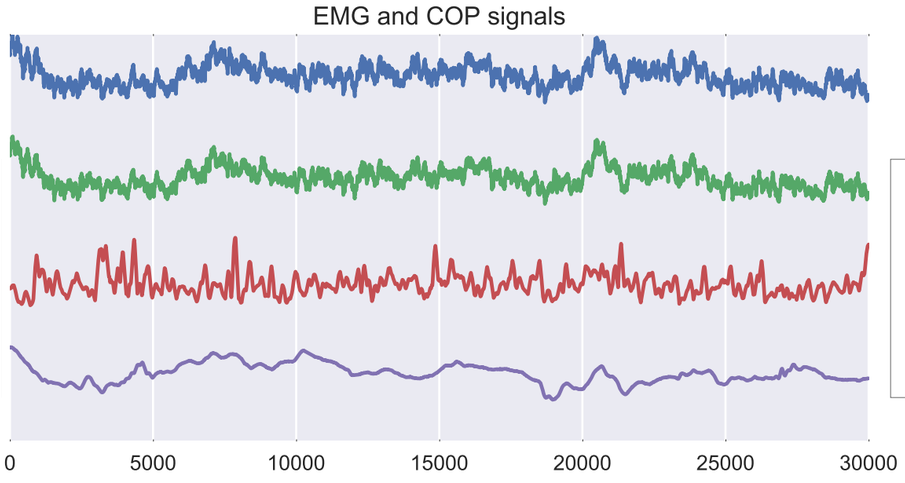
Same muscle/ Right Left - Arms_extension
Patient2 Healthy



Correlation coeficient EMG/COPX: -0.14158

Correlation coeficient EMG/velX: -0.13498

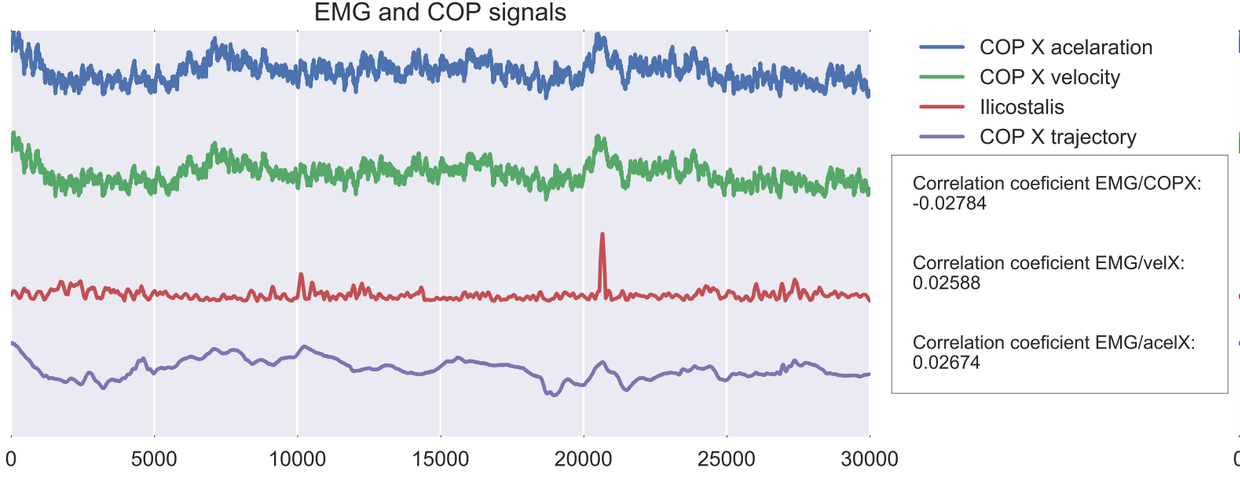
Correlation coeficient EMG/acelX: -0.14206



Correlation coeficient EMG/COPX: -0.11460

Correlation coeficient EMG/velX: 0.01049

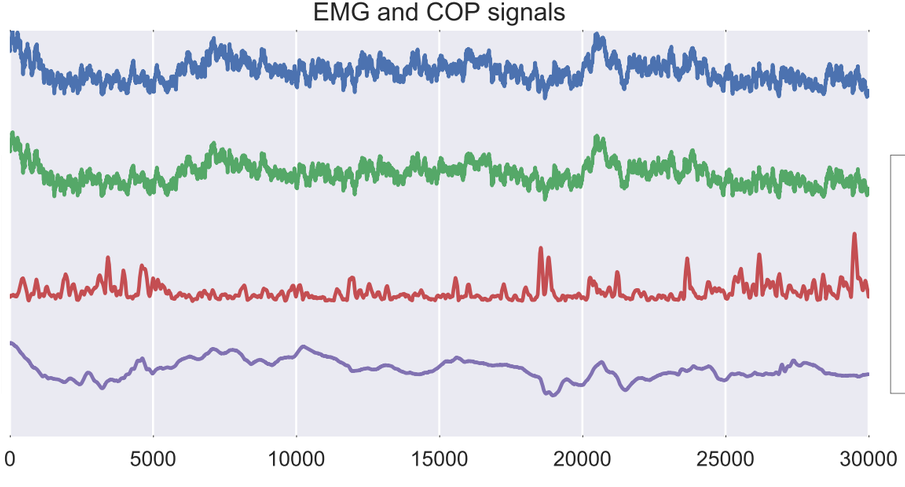
Correlation coeficient EMG/acelX: 0.00980



Correlation coeficient EMG/COPX: -0.02784

Correlation coeficient EMG/velX: 0.02588

Correlation coeficient EMG/acelX: 0.02674

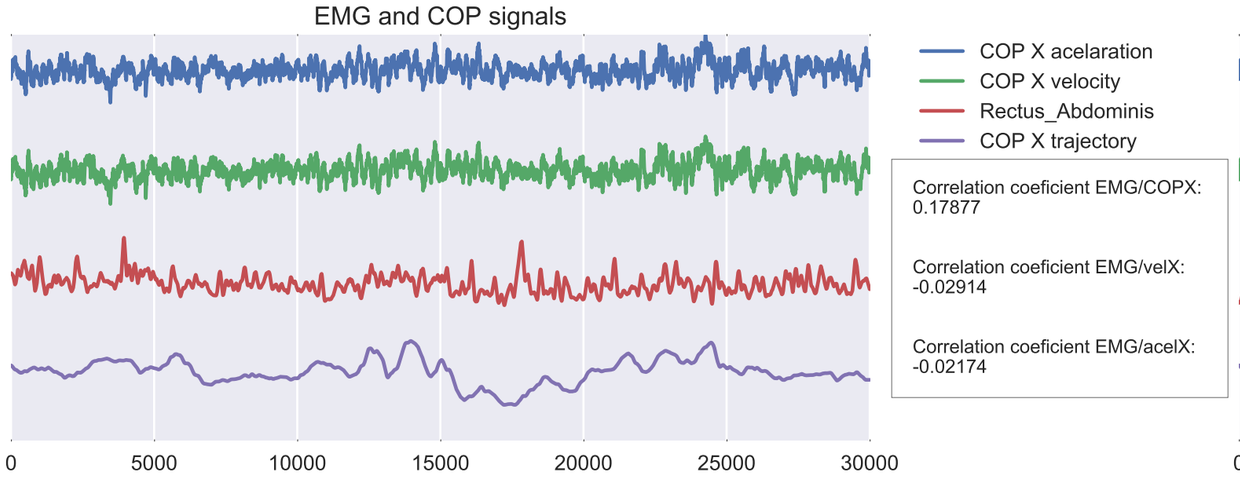


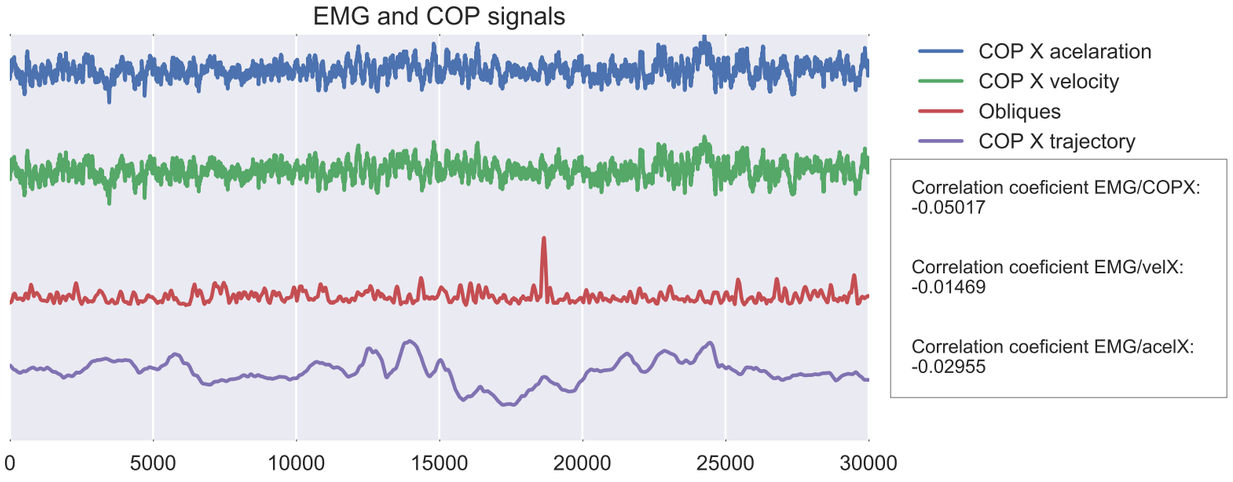
Correlation coeficient EMG/COPX: -0.20367

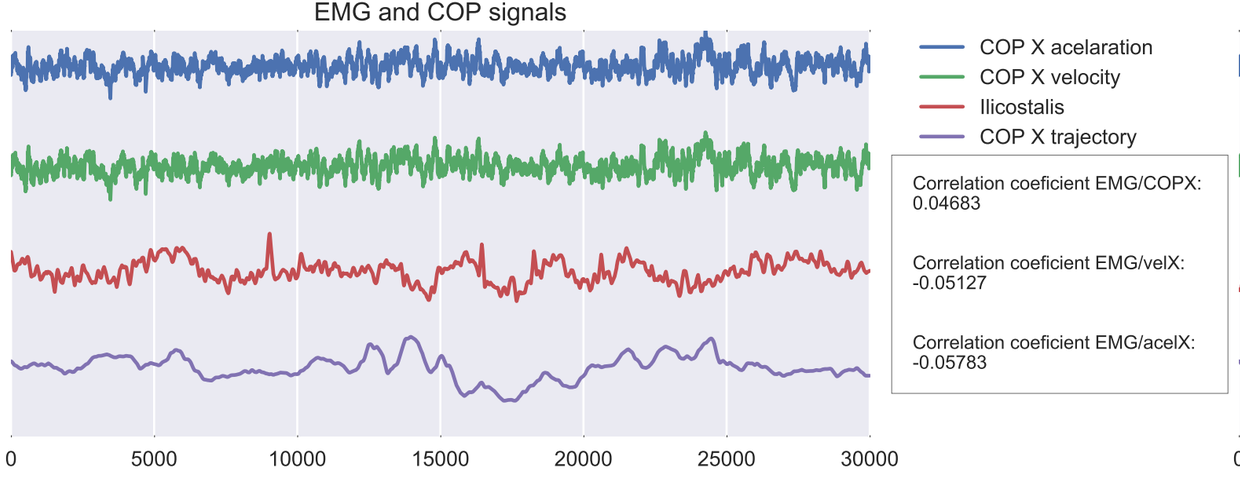
Correlation coeficient EMG/velX: -0.22021

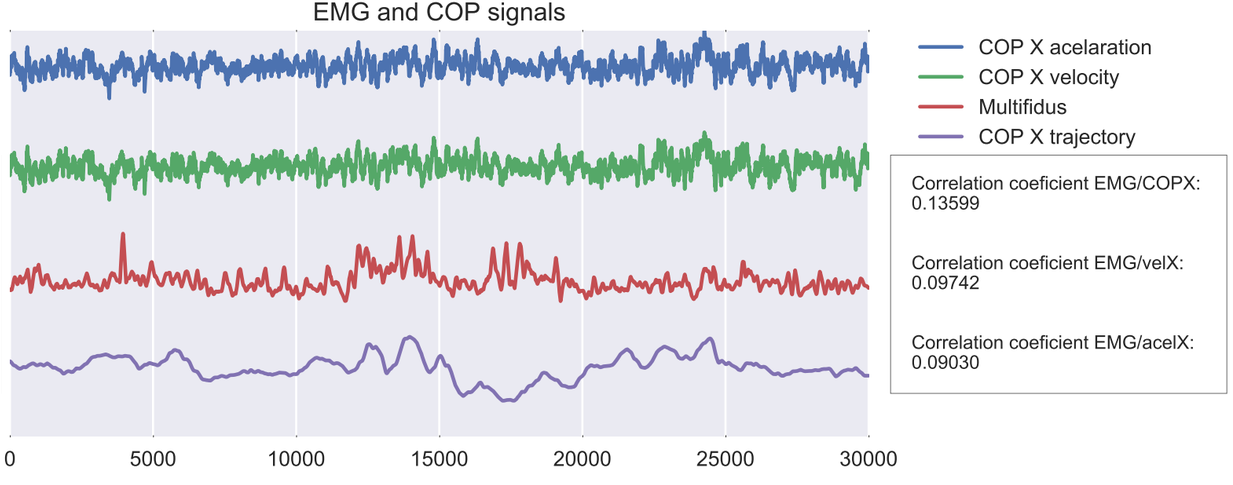
Correlation coeficient EMG/acelX: -0.22591

Same muscle/ Right Left - OneFootStanding_L_EO
Patient2 Healthy

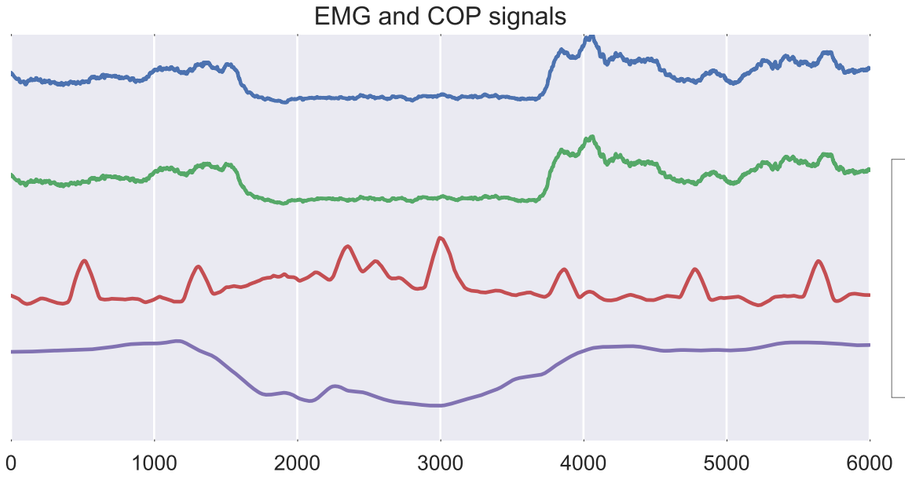








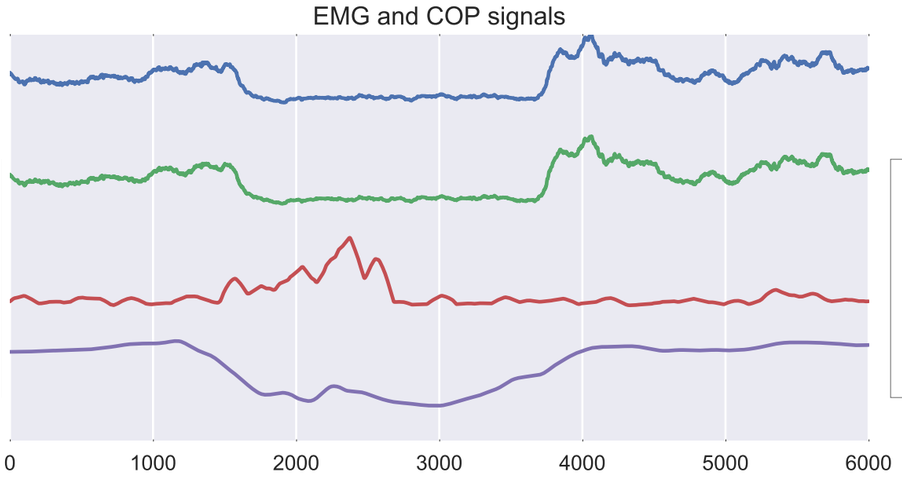
Same muscle/ Right Left - Reach_R
Patient2 Healthy



Correlation coeficient EMG/COPX: -0.59226

Correlation coeficient EMG/velX: -0.41231

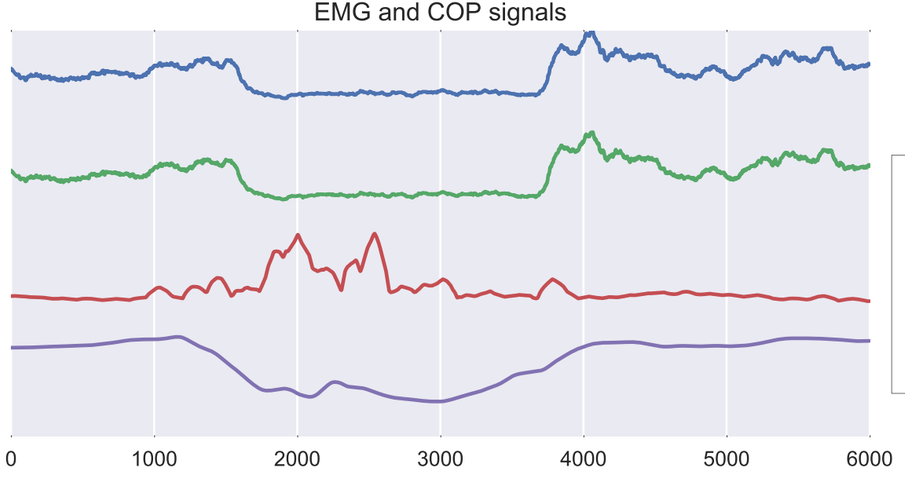
Correlation coeficient EMG/acelX: -0.41108



Correlation coeficient EMG/COPX: -0.45690

Correlation coeficient EMG/velX: -0.40965

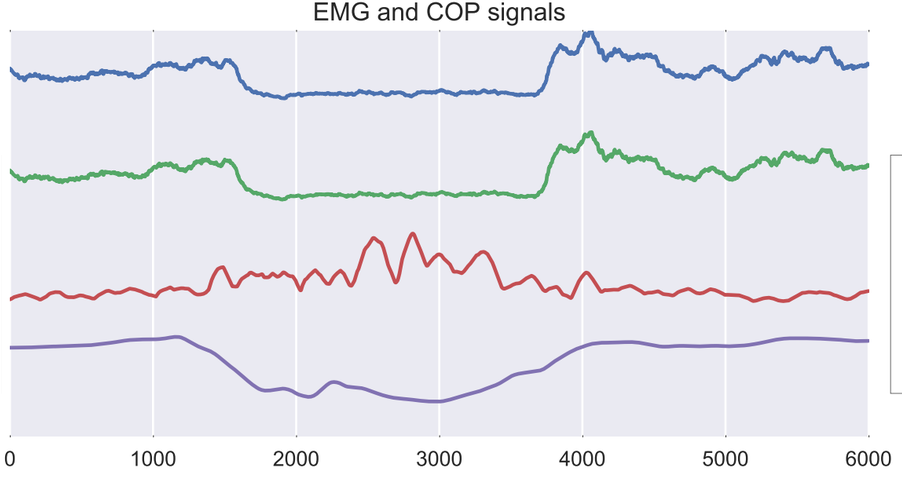
Correlation coeficient EMG/acelX: -0.40999



Correlation coeficient EMG/COPX: -0.62082

Correlation coeficient EMG/velX: -0.49780

Correlation coeficient EMG/acelX: -0.49613



Correlation coeficient EMG/COPX: -0.81491

Correlation coeficient EMG/velX: -0.58472

Correlation coeficient EMG/acelX: -0.58358