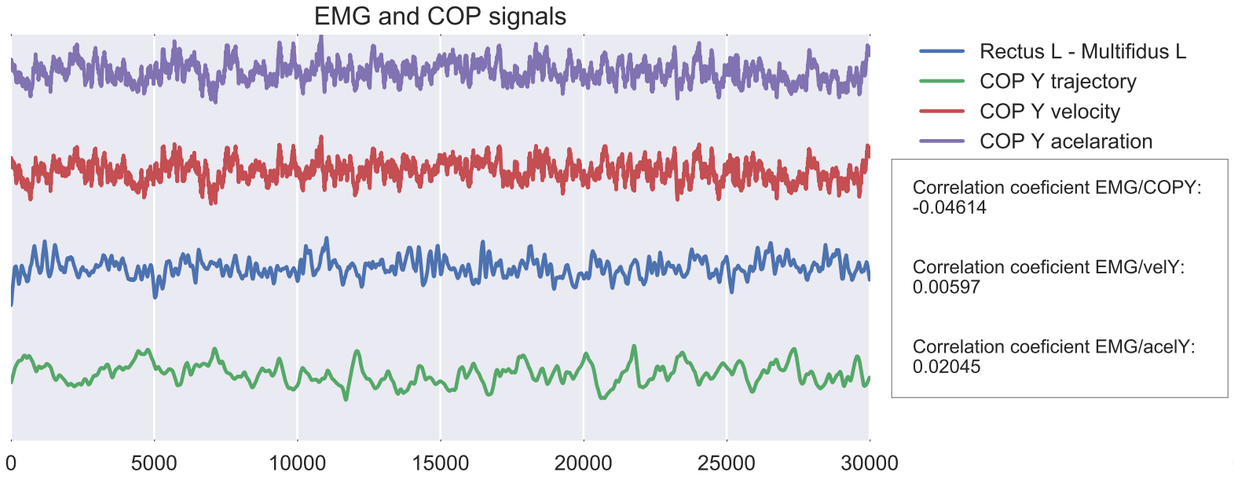
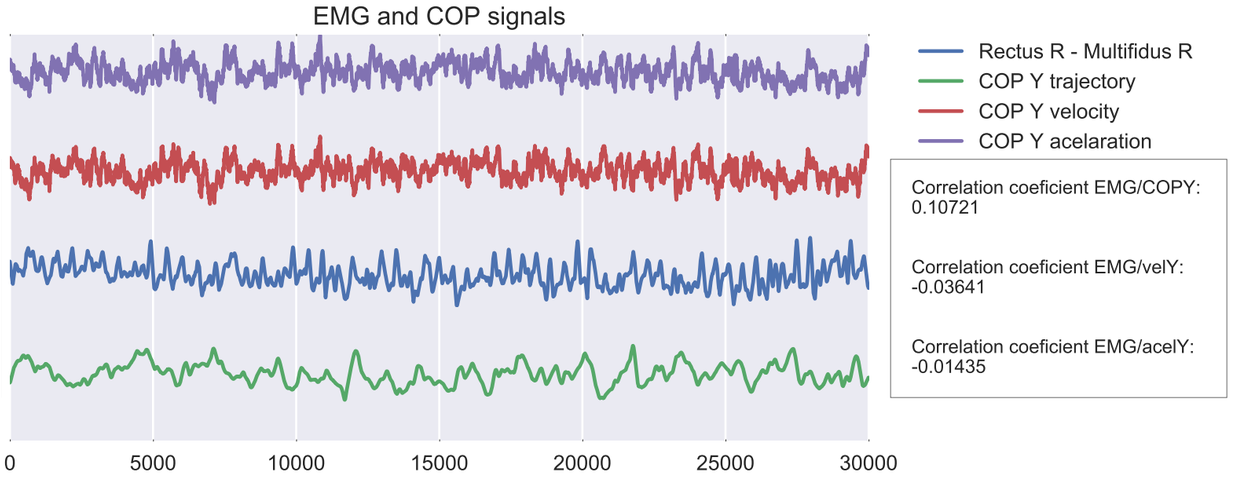
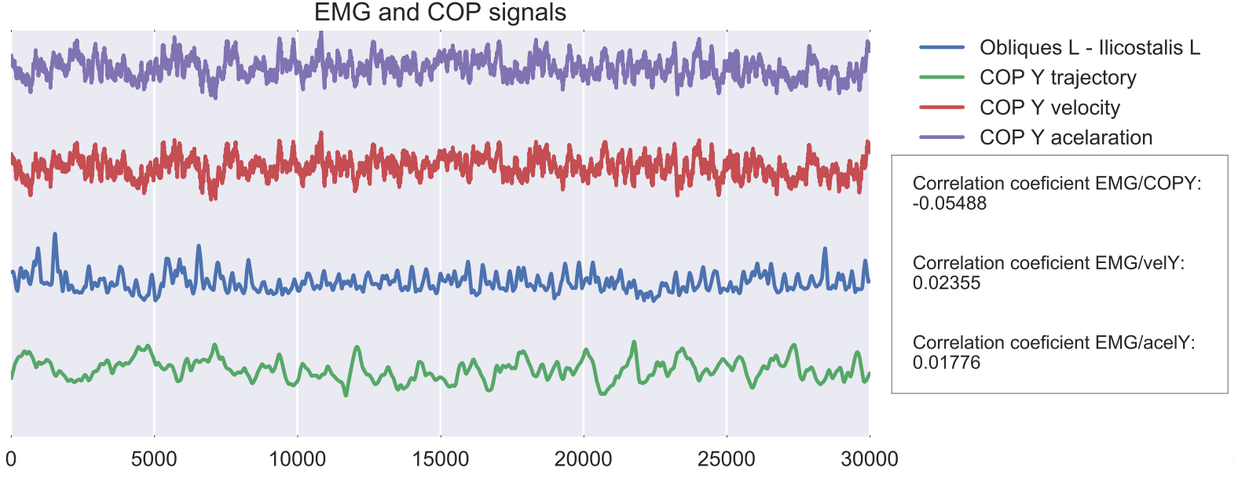
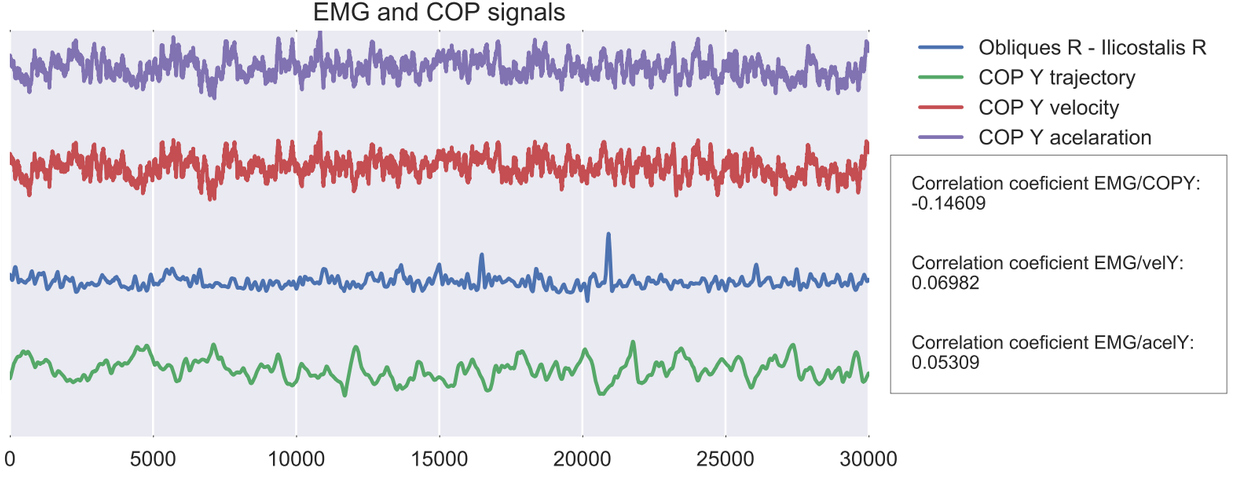
Front and Back muscle/Same direction - OneFootStanding_R_EO
Patient1 Healthy

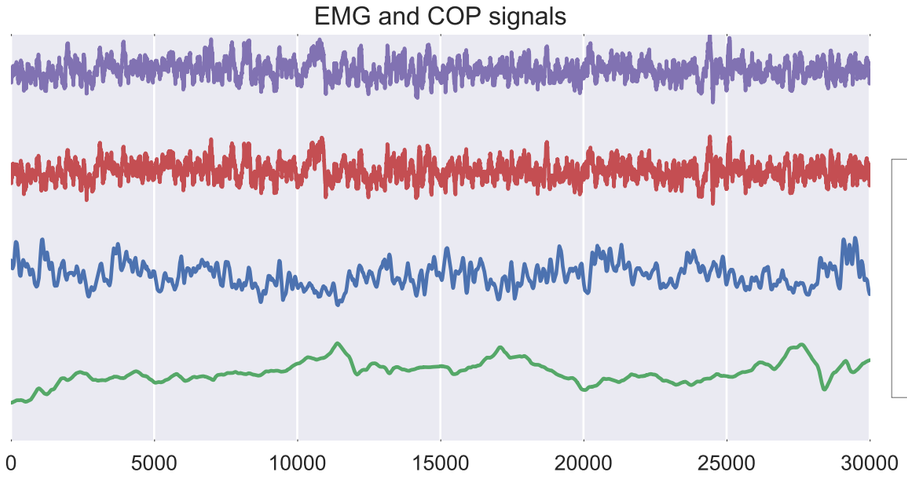








Front and Back muscle/Same direction - Standing_EO
Patient1 Healthy

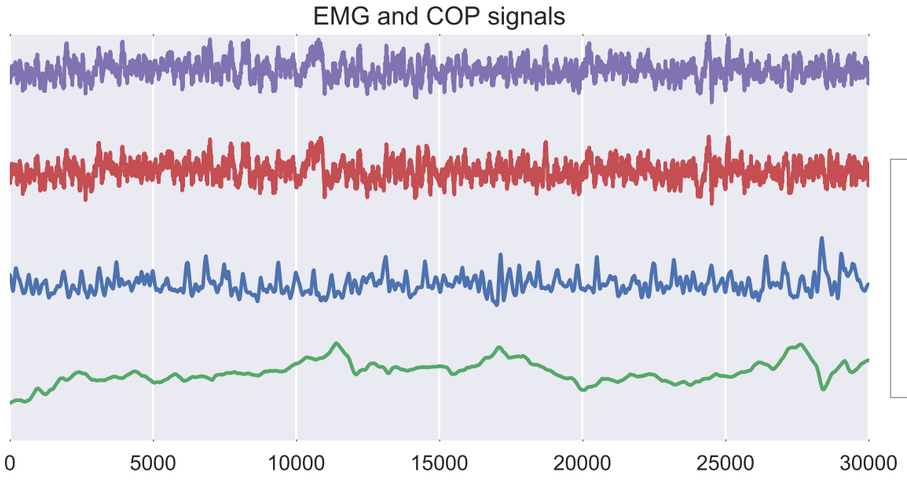


Rectus L - Multifidus L
COP Y trajectory
COP Y velocity
COP Y acelaration

Correlation coeficient EMG/COPY: -0.42058

Correlation coeficient EMG/velY: 0.00356

Correlation coeficient EMG/acelY: 0.02679

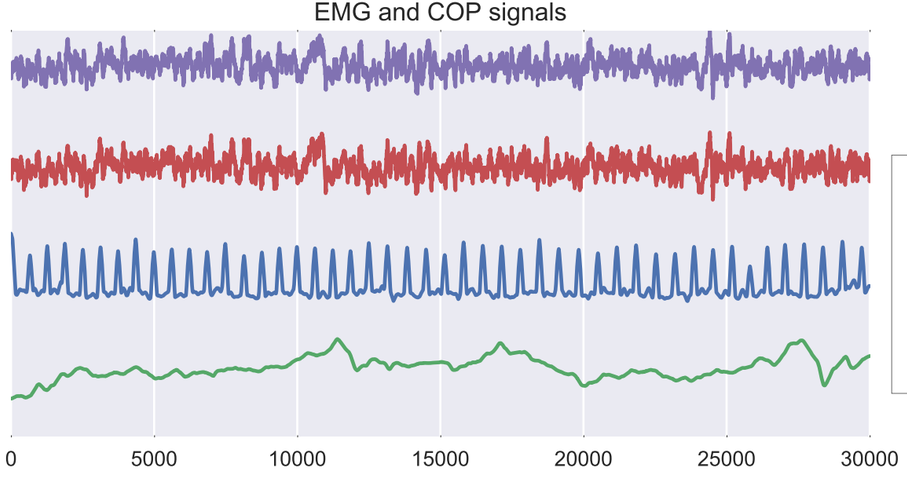


Rectus R - Multifidus R
COP Y trajectory
COP Y velocity
COP Y acelaration

Correlation coeficient EMG/COPY: -0.10495

Correlation coeficient EMG/velY: 0.03056

Correlation coeficient EMG/acelY: 0.04299

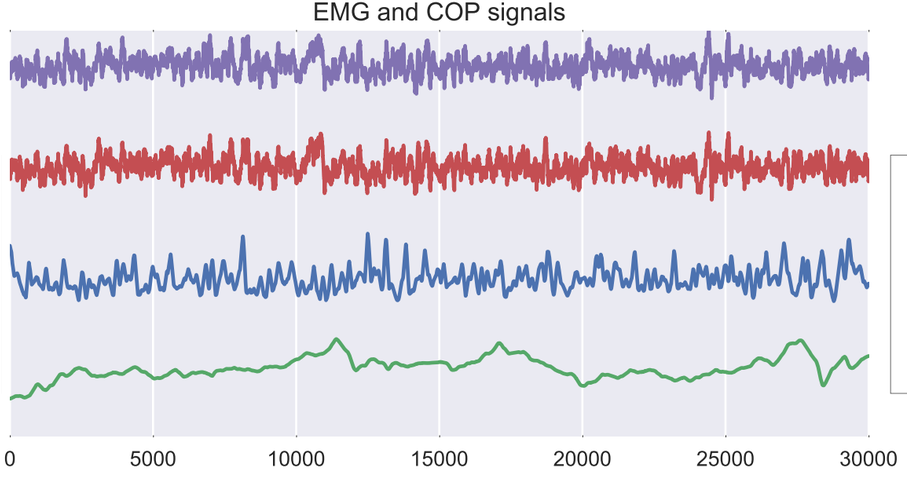


Obliques L - Ilicostalis L
COP Y trajectory
COP Y velocity
COP Y acelaration

Correlation coeficient EMG/COPY: -0.02518

Correlation coeficient EMG/velY: -0.00152

Correlation coeficient EMG/acelY: 0.00337



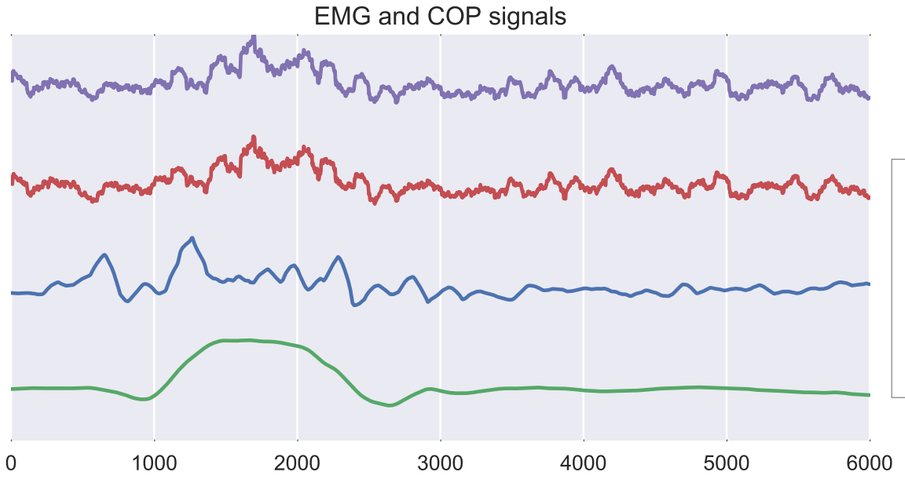
Obliques R - Ilicostalis R
COP Y trajectory
COP Y velocity
COP Y acelaration

Correlation coeficient EMG/COPY: -0.01238

Correlation coeficient EMG/velY: 0.02743

Correlation coeficient EMG/acelY: 0.03598

Front and Back muscle/Same direction - Reach_L
Patient1 Healthy

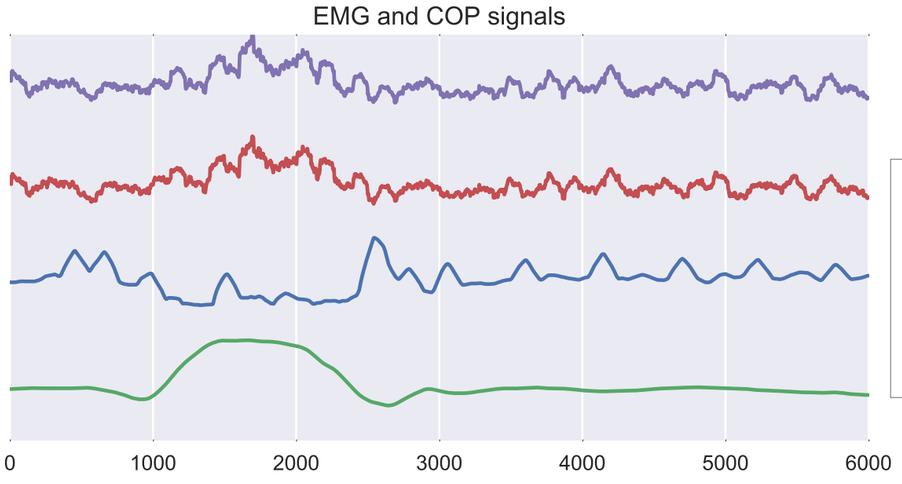


Rectus L - Multifidus L
COP Y trajectory
COP Y velocity
COP Y acelaration

Correlation coeficient EMG/COPY: 0.53321

Correlation coeficient EMG/velY: 0.29390

Correlation coeficient EMG/acelY: 0.25695

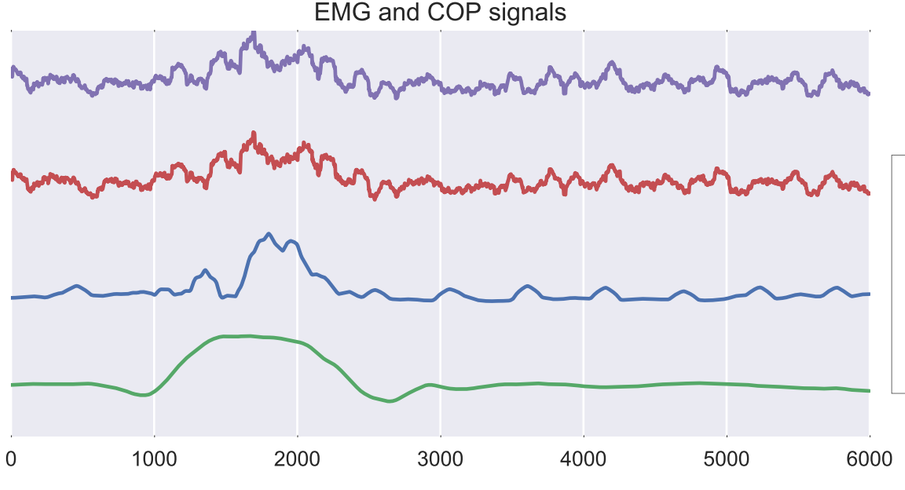


Rectus R - Multifidus R
COP Y trajectory
COP Y velocity
COP Y acelaration

Correlation coeficient EMG/COPY: -0.66063

Correlation coeficient EMG/velY: -0.55538

Correlation coeficient EMG/acelY: -0.48825

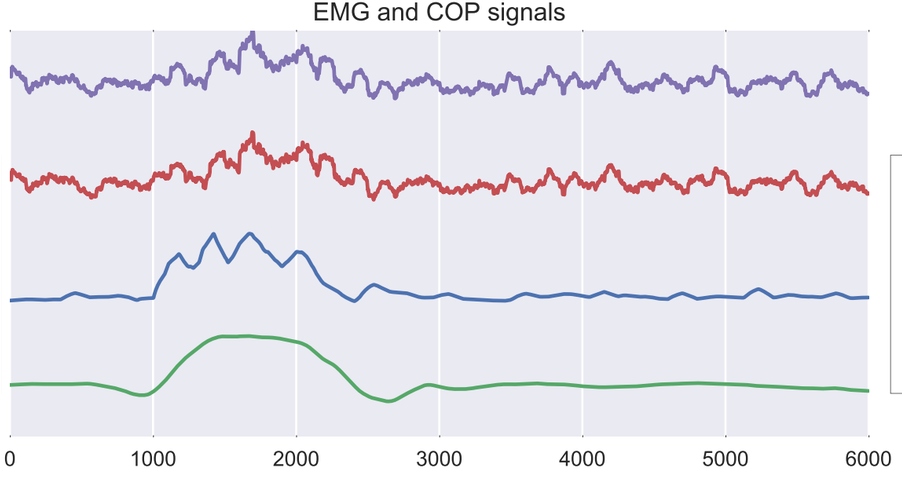


Obliques L - Ilicostalis L
COP Y trajectory
COP Y velocity
COP Y acelaration

Correlation coeficient EMG/COPY: 0.74737

Correlation coeficient EMG/velY: 0.65118

Correlation coeficient EMG/acelY: 0.60891



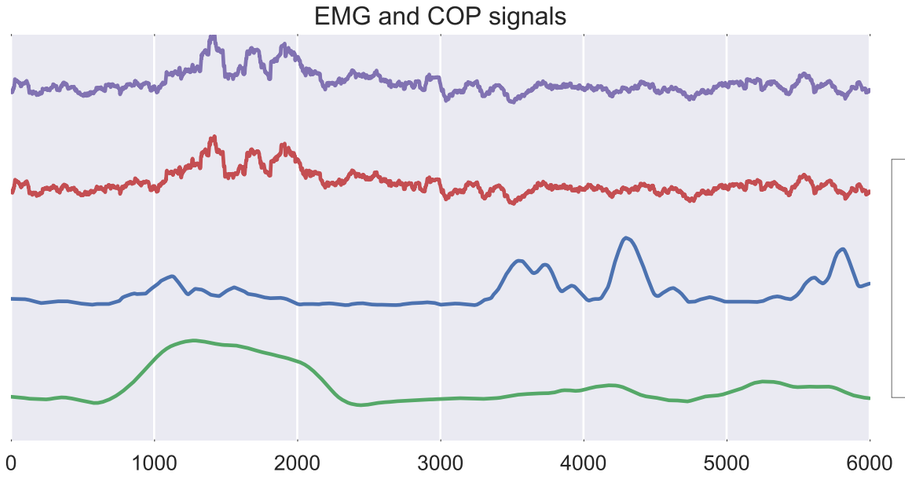
Obliques R - Ilicostalis R
COP Y trajectory
COP Y velocity
COP Y acelaration

Correlation coeficient EMG/COPY: 0.90331

Correlation coeficient EMG/velY: 0.75482

Correlation coeficient EMG/acelY: 0.72661

Front and Back muscle/Same direction - Reach_C
Patient1 Healthy

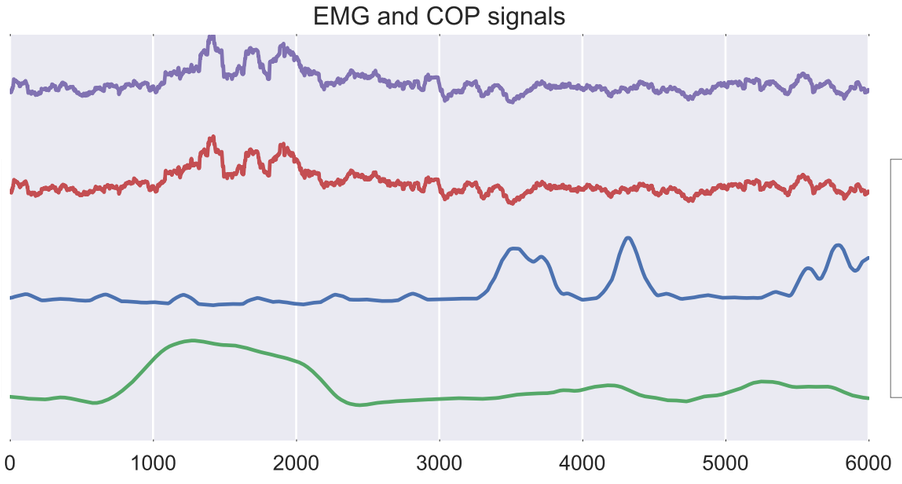


Rectus L - Multifidus L
COP Y trajectory
COP Y velocity
COP Y acelaration

Correlation coeficient EMG/COPY: 0.10070

Correlation coeficient EMG/velY: -0.17683

Correlation coeficient EMG/acelY: -0.18284

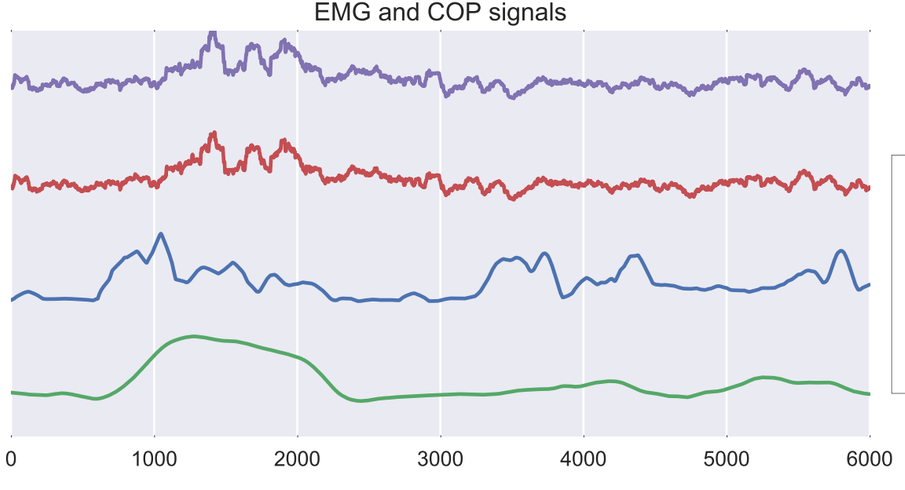


Rectus R - Multifidus R
COP Y trajectory
COP Y velocity
COP Y acelaration

Correlation coeficient EMG/COPY: -0.25644

Correlation coeficient EMG/velY: -0.37453

Correlation coeficient EMG/acelY: -0.36223

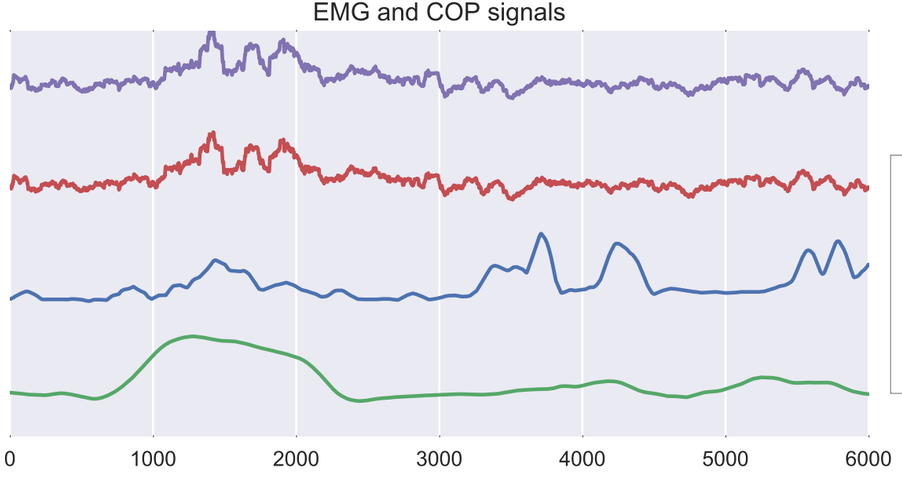


Obliques L - Ilicostalis L
COP Y trajectory
COP Y velocity
COP Y acelaration

Correlation coeficient EMG/COPY: 0.42112

Correlation coeficient EMG/velY: 0.05088

Correlation coeficient EMG/acelY: 0.02299



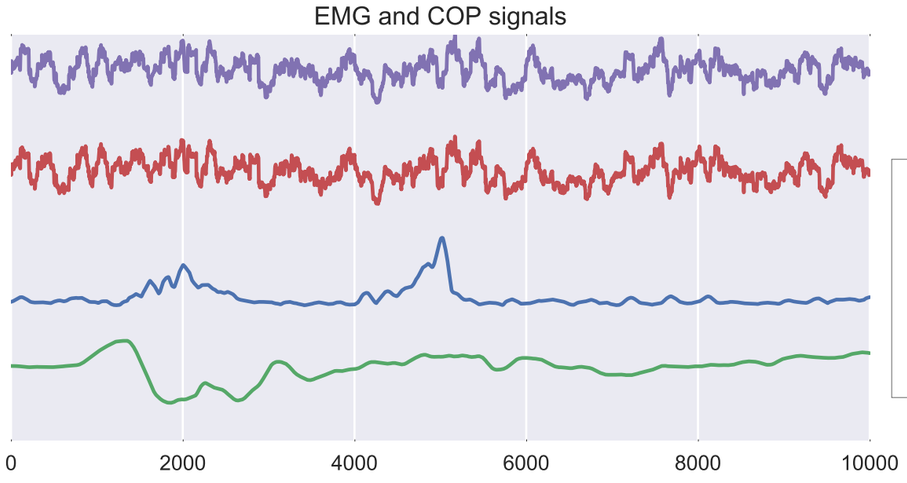
Obliques R - Ilicostalis R
COP Y trajectory
COP Y velocity
COP Y acelaration

Correlation coeficient EMG/COPY: 0.20553

Correlation coeficient EMG/velY: 0.04632

Correlation coeficient EMG/acelY: 0.05063

Front and Back muscle/Same direction - Reach_Ground
Patient1 Healthy

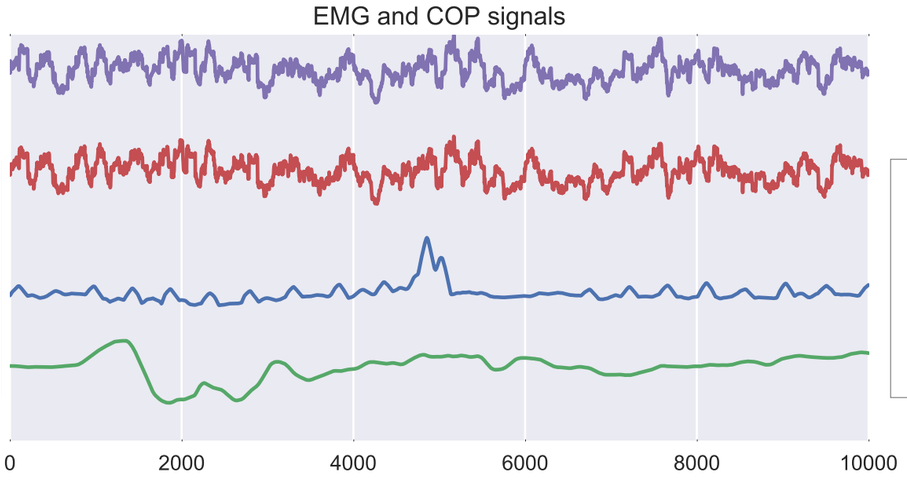


Rectus L - Multifidus L
COP Y trajectory
COP Y velocity
COP Y acelaration

Correlation coeficient EMG/COPY: -0.19109

Correlation coeficient EMG/velY: 0.19810

Correlation coeficient EMG/acelY: 0.17768

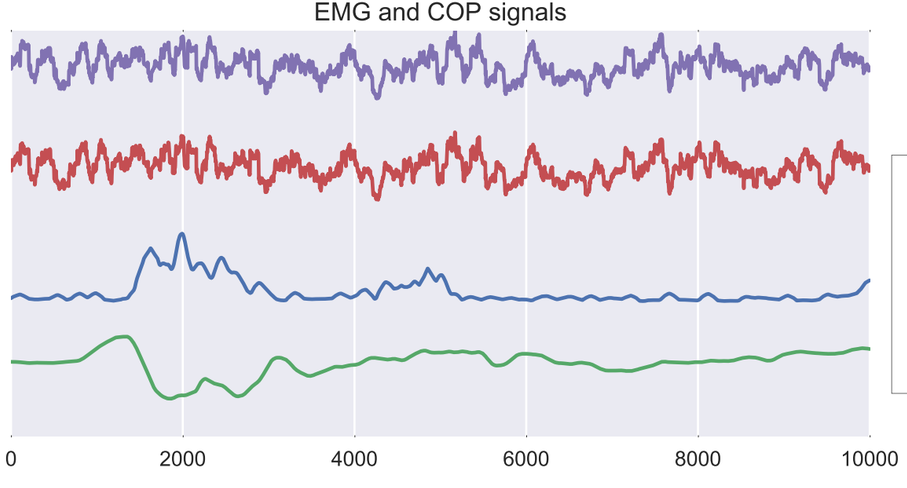


Rectus R - Multifidus R
COP Y trajectory
COP Y velocity
COP Y acelaration

Correlation coeficient EMG/COPY: 0.33606

Correlation coeficient EMG/velY: 0.04192

Correlation coeficient EMG/acelY: 0.02832

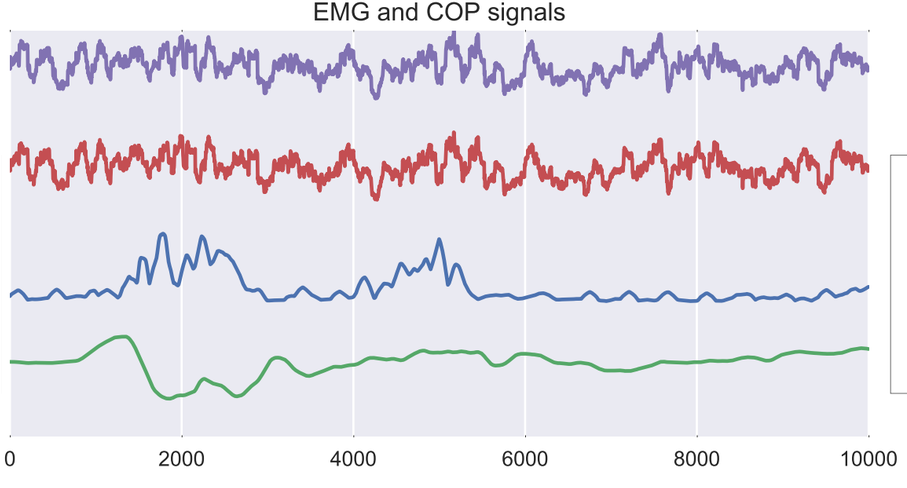


Obliques L - Ilicostalis L
COP Y trajectory
COP Y velocity
COP Y acelaration

Correlation coeficient EMG/COPY: -0.60080

Correlation coeficient EMG/velY: 0.20251

Correlation coeficient EMG/acelY: 0.17001



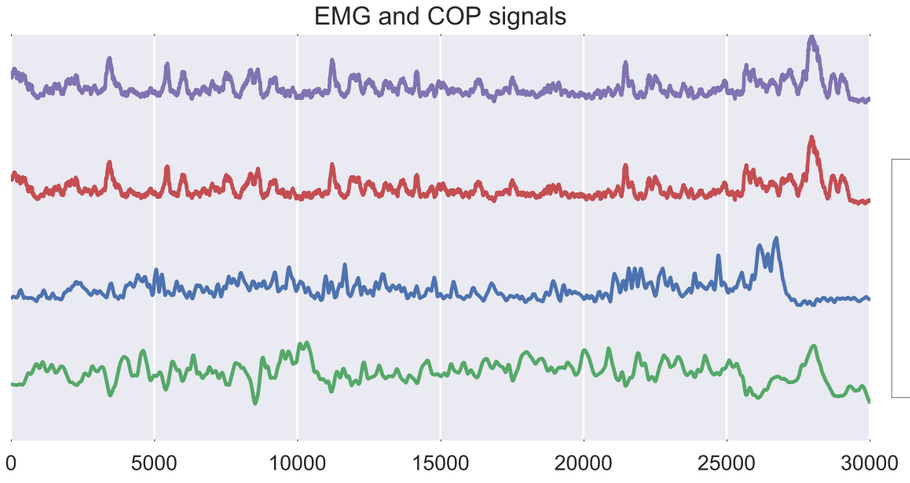
Obliques R - Ilicostalis R
COP Y trajectory
COP Y velocity
COP Y acelaration

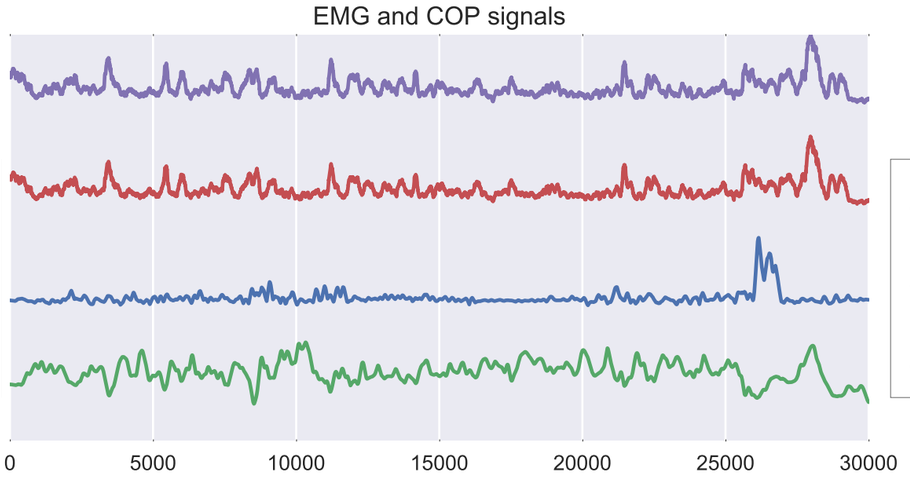
Correlation coeficient EMG/COPY: -0.39845

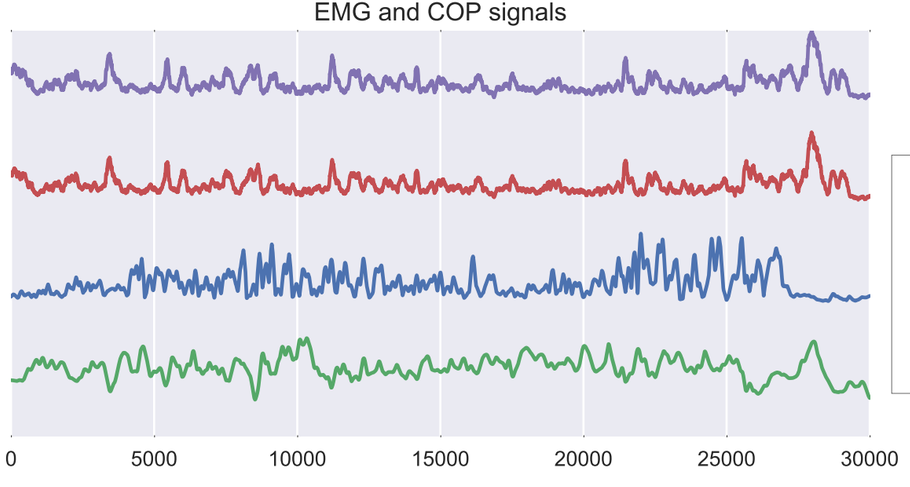
Correlation coeficient EMG/velY: 0.19427

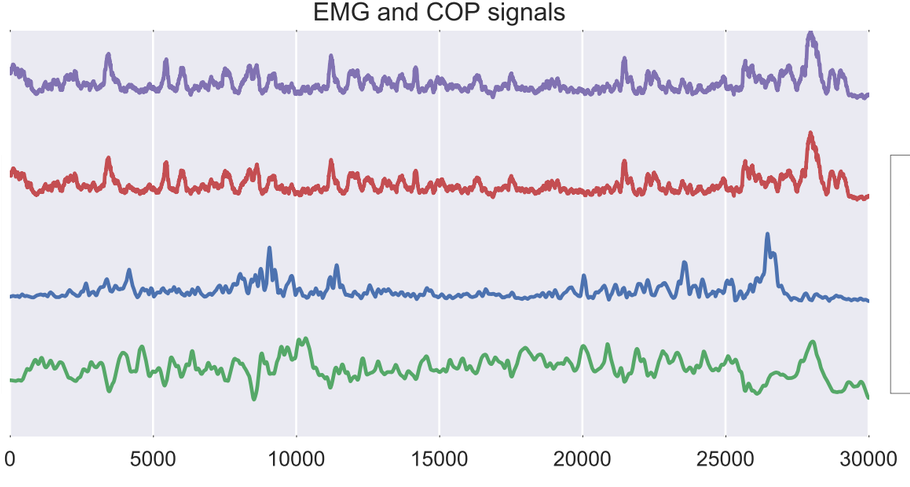
Correlation coeficient EMG/acelY: 0.18016

Front and Back muscle/Same direction - OneFootStanding_R_EC
Patient1 Healthy

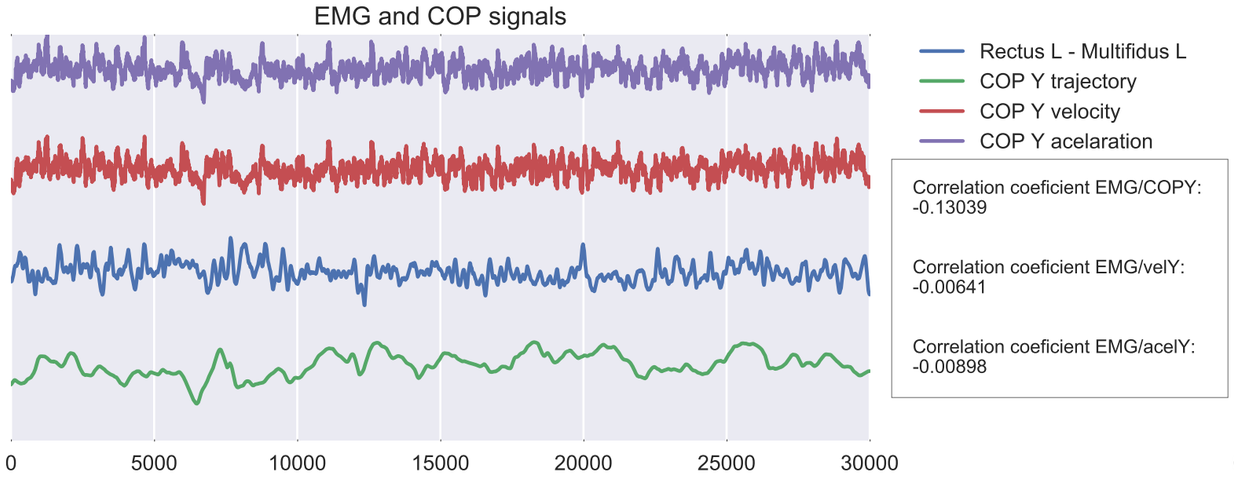


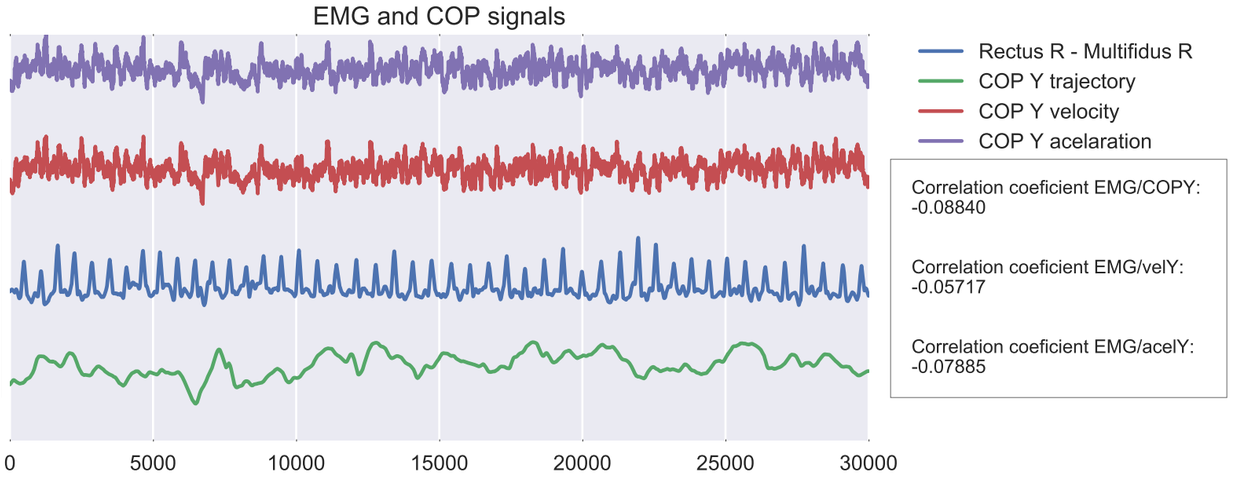


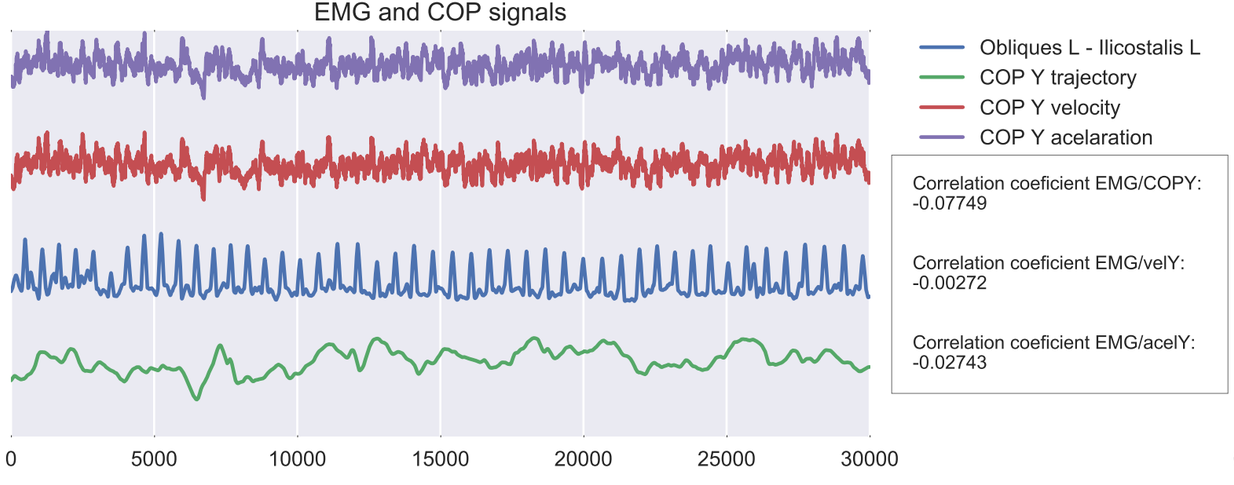


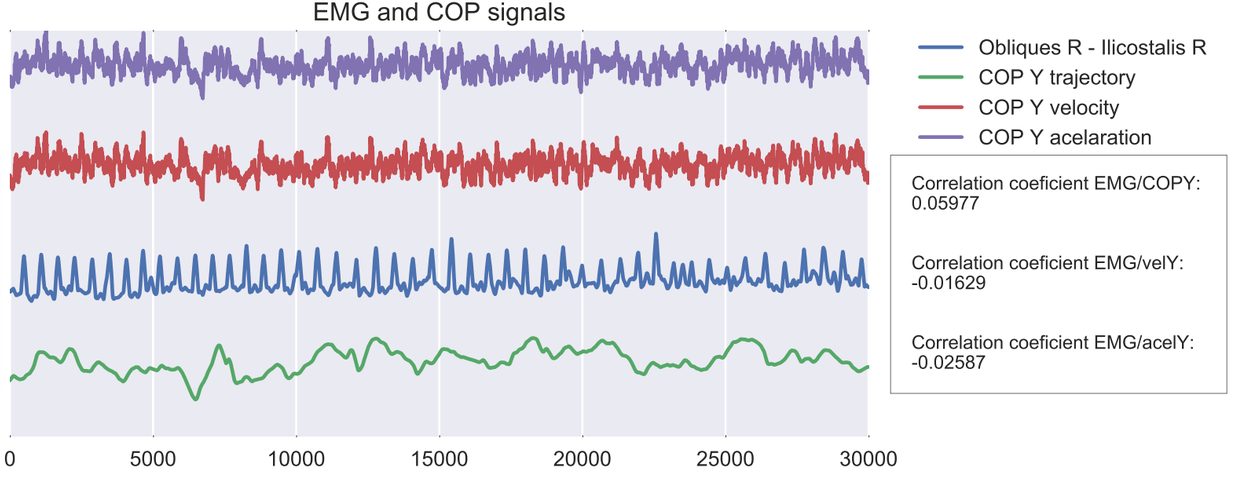


Front and Back muscle/Same direction - Standing_EC
Patient1 Healthy

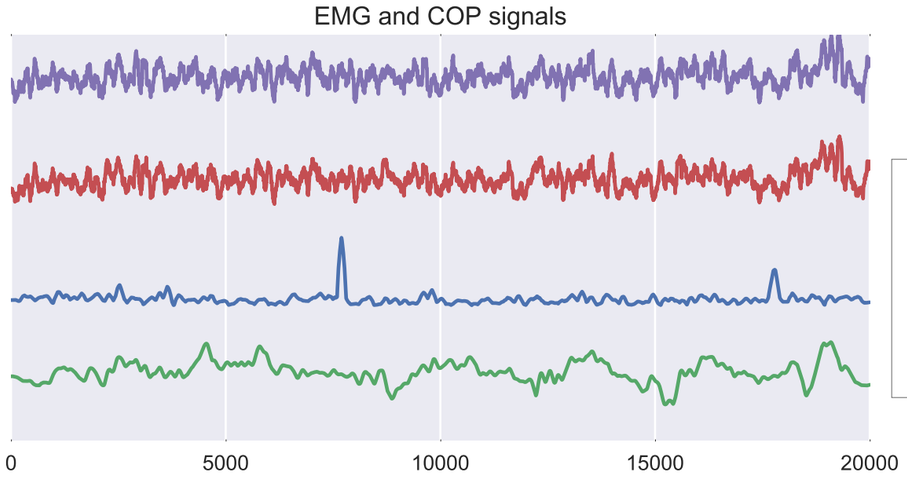








Front and Back muscle/Same direction - OneFootStanding_L_EC
Patient1 Healthy

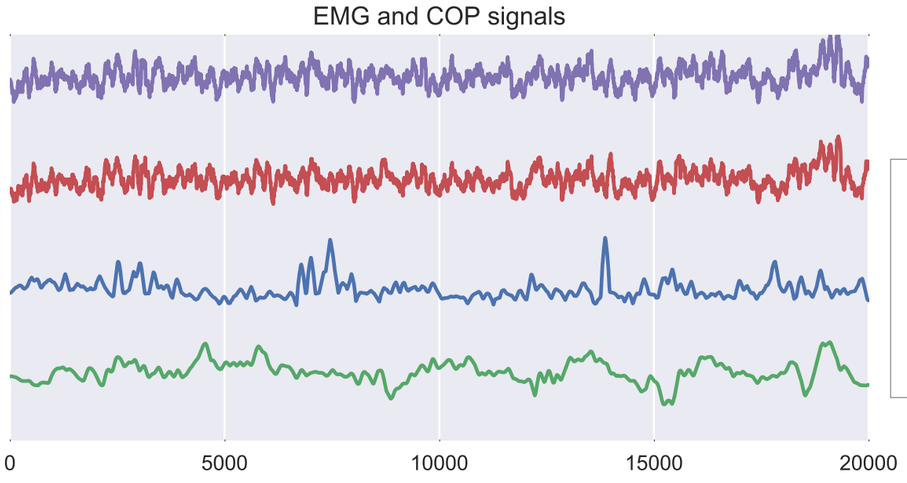


Rectus L - Multifidus L
COP Y trajectory
COP Y velocity
COP Y acelaration

Correlation coeficient EMG/COPY: 0.03165

Correlation coeficient EMG/velY: 0.02928

Correlation coeficient EMG/acelY: 0.04391

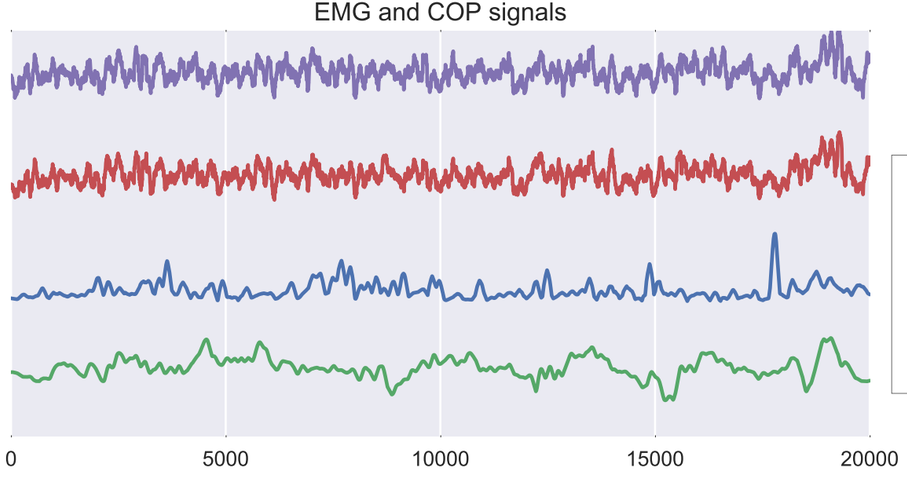


Rectus R - Multifidus R
COP Y trajectory
COP Y velocity
COP Y acelaration

Correlation coeficient EMG/COPY: -0.14850

Correlation coeficient EMG/velY: 0.04398

Correlation coeficient EMG/acelY: 0.04437

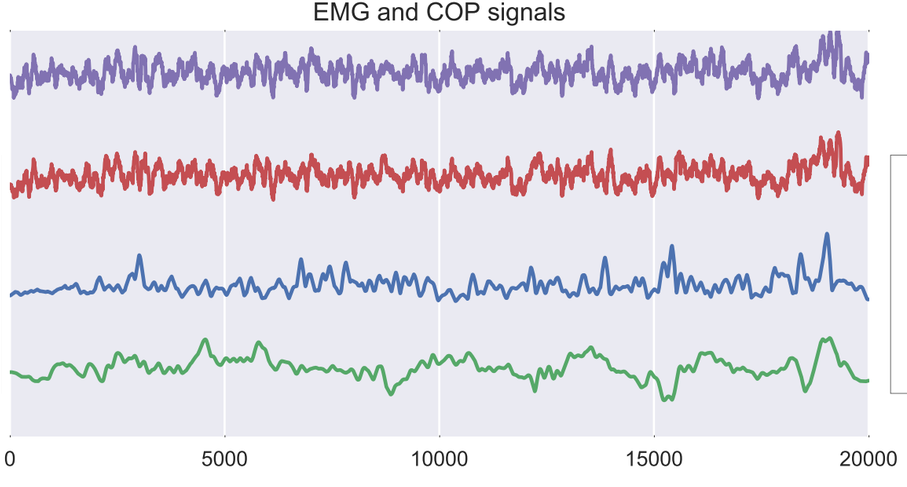


Obliques L - Ilicostalis L
COP Y trajectory
COP Y velocity
COP Y acelaration

Correlation coeficient EMG/COPY: -0.04433

Correlation coeficient EMG/velY: 0.16117

Correlation coeficient EMG/acelY: 0.11216



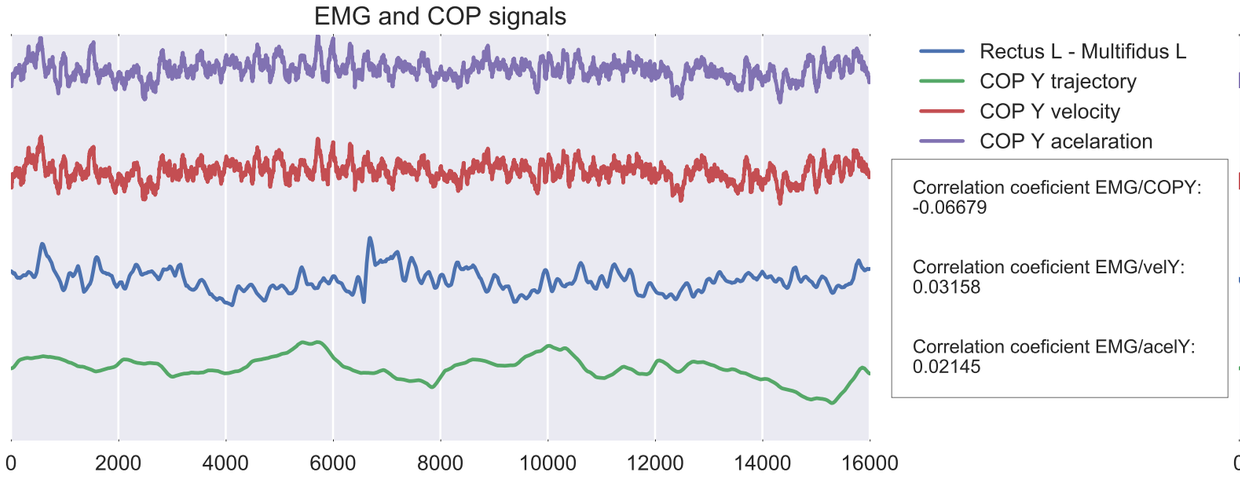
Obliques R - Ilicostalis R
COP Y trajectory
COP Y velocity
COP Y acelaration

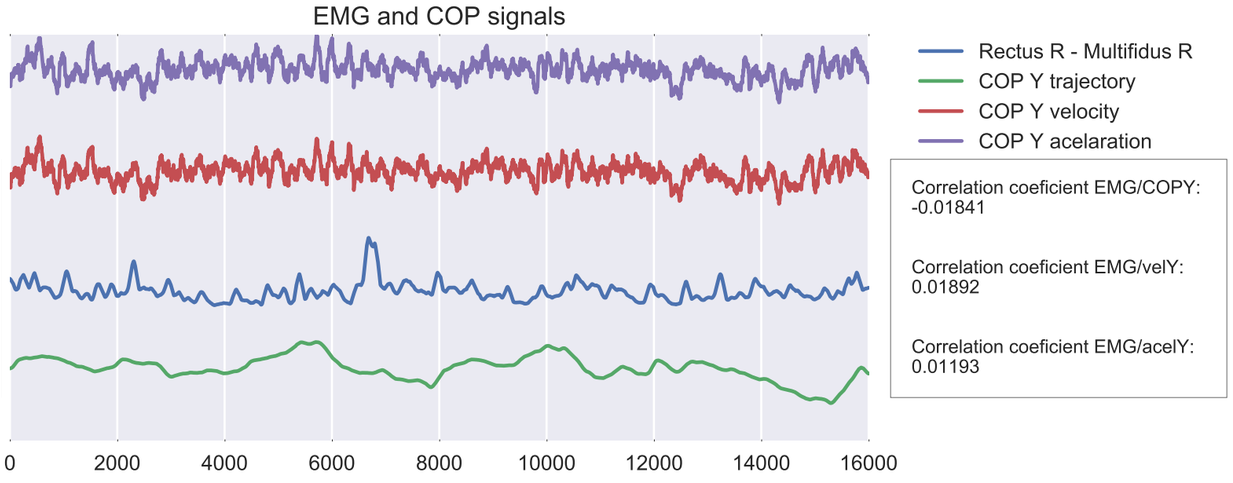
Correlation coeficient EMG/COPY: -0.07293

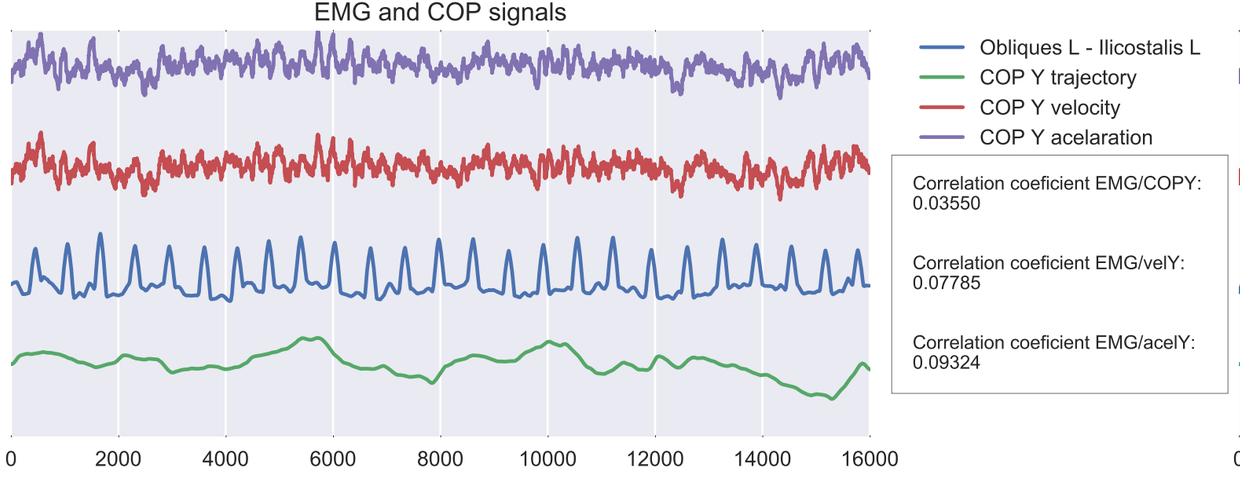
Correlation coeficient EMG/velY: 0.12771

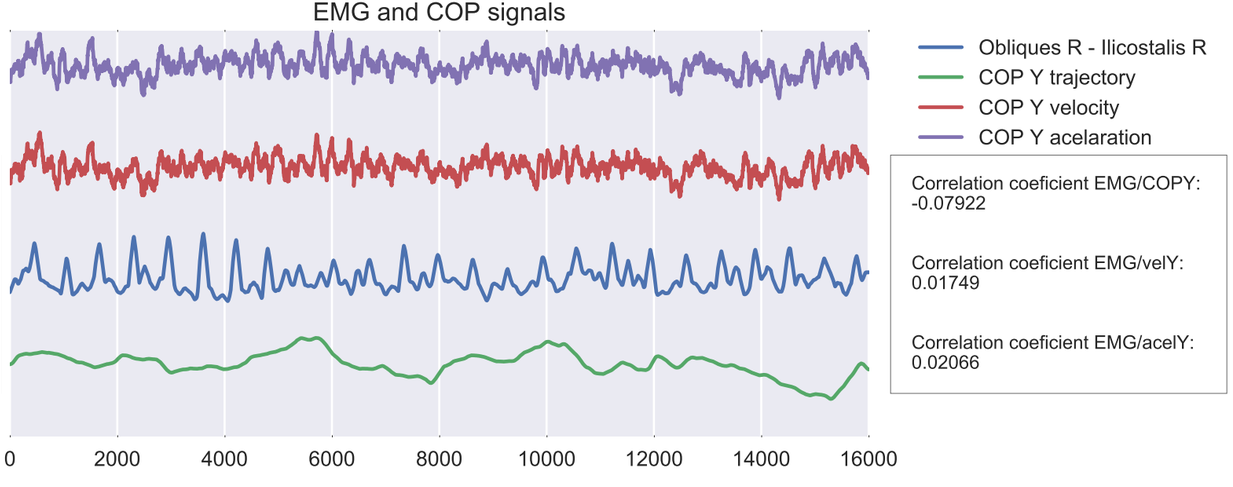
Correlation coeficient EMG/acelY: 0.10850

Front and Back muscle/Same direction - Arms_extension
Patient1 Healthy

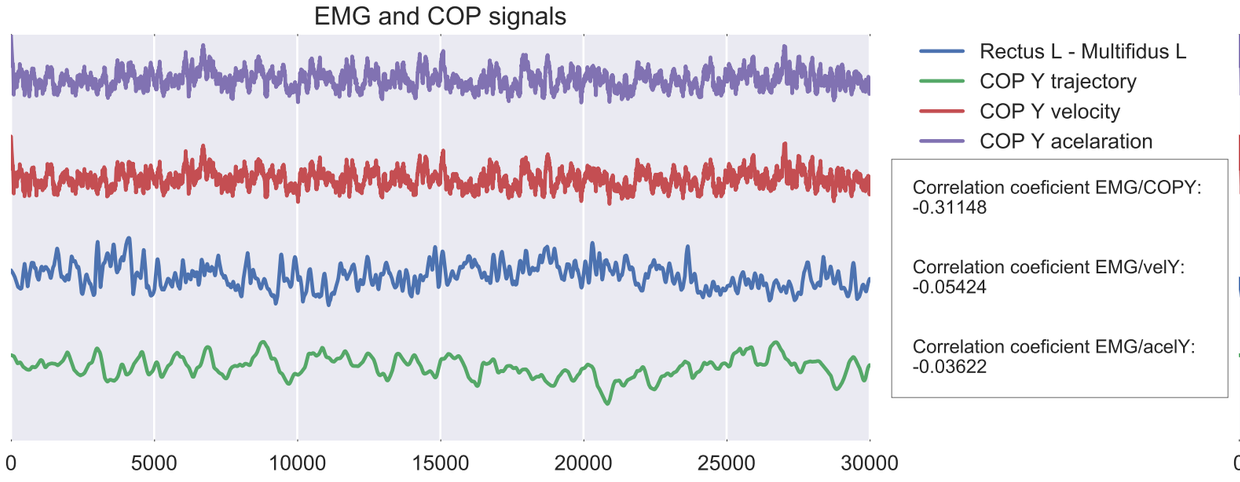


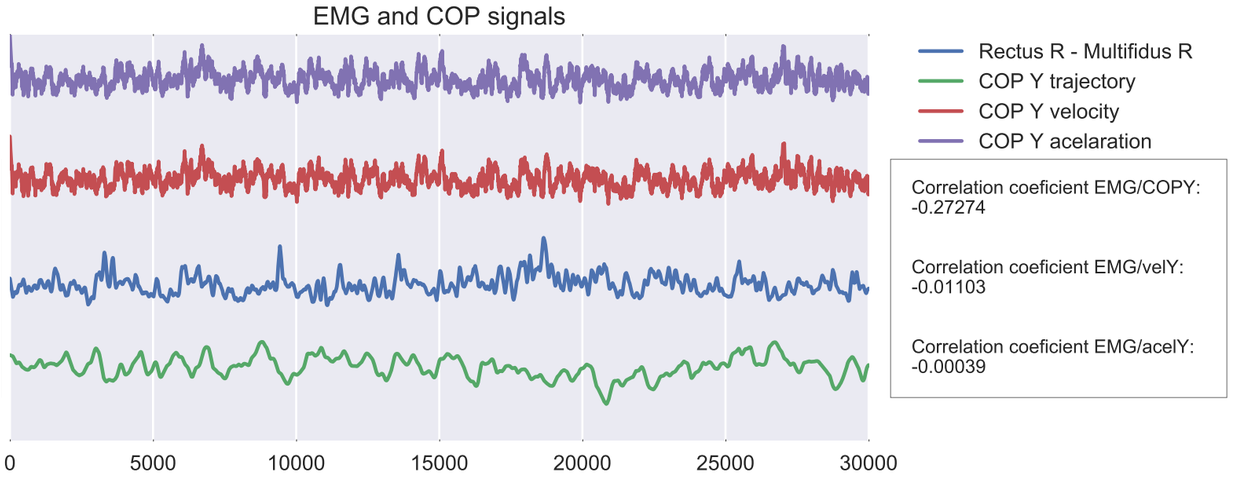


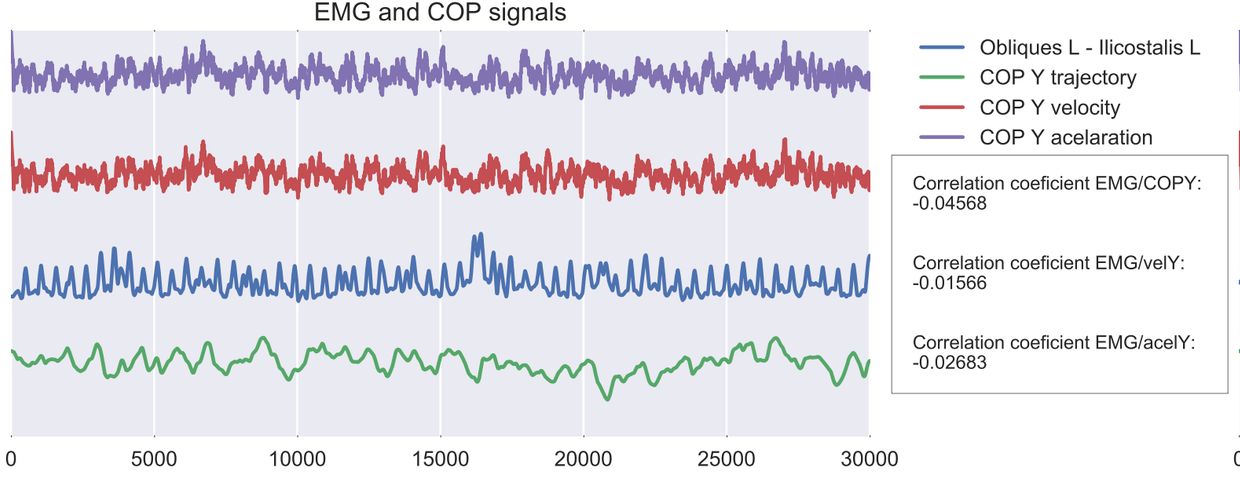


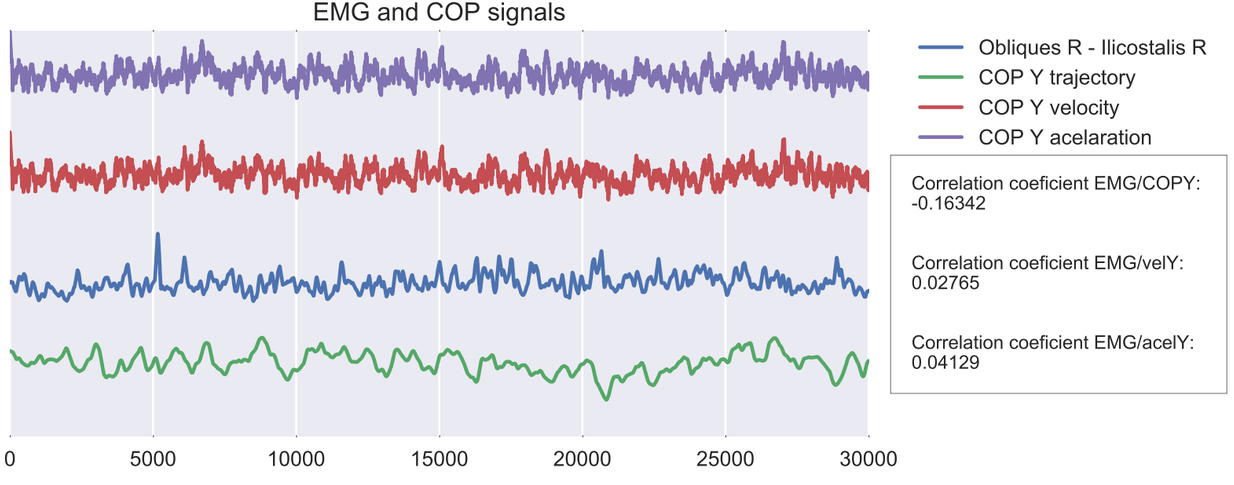


Front and Back muscle/Same direction - OneFootStanding_L_EO
Patient1 Healthy

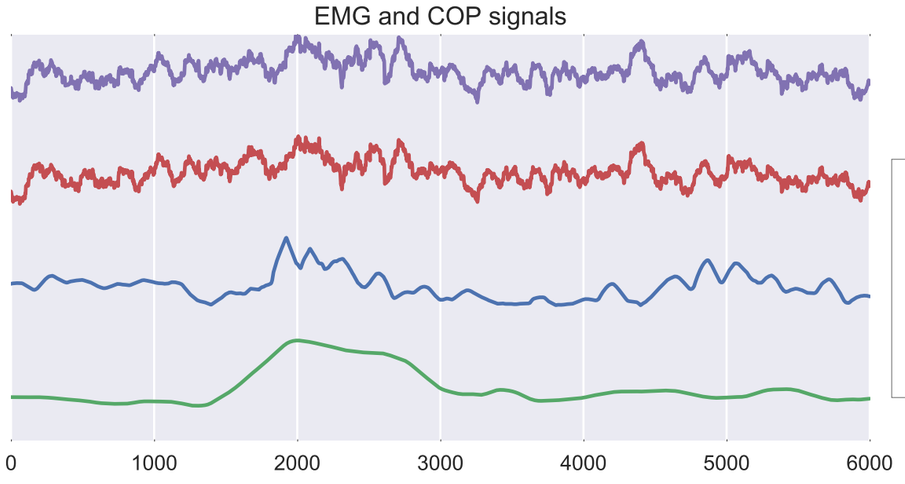








Front and Back muscle/Same direction - Reach_R
Patient1 Healthy

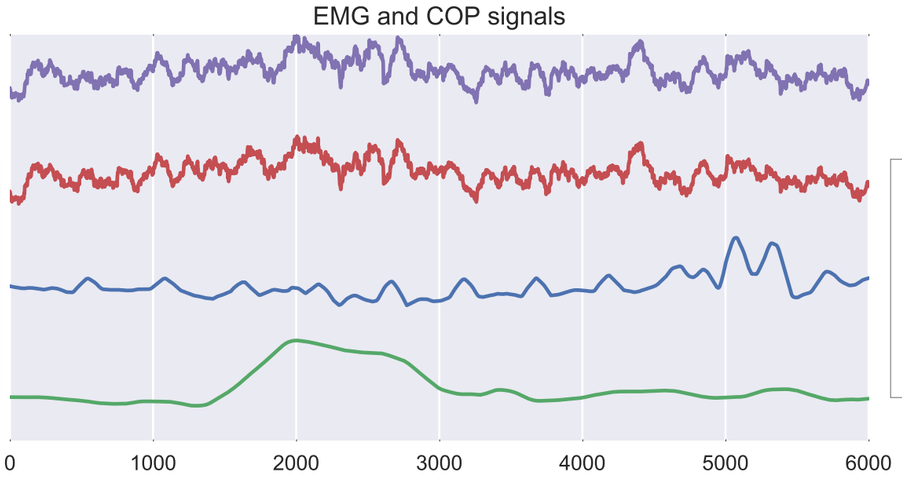


Rectus L - Multifidus L
COP Y trajectory
COP Y velocity
COP Y acelaration

Correlation coeficient EMG/COPY: 0.53092

Correlation coeficient EMG/velY: 0.27047

Correlation coeficient EMG/acelY: 0.30521

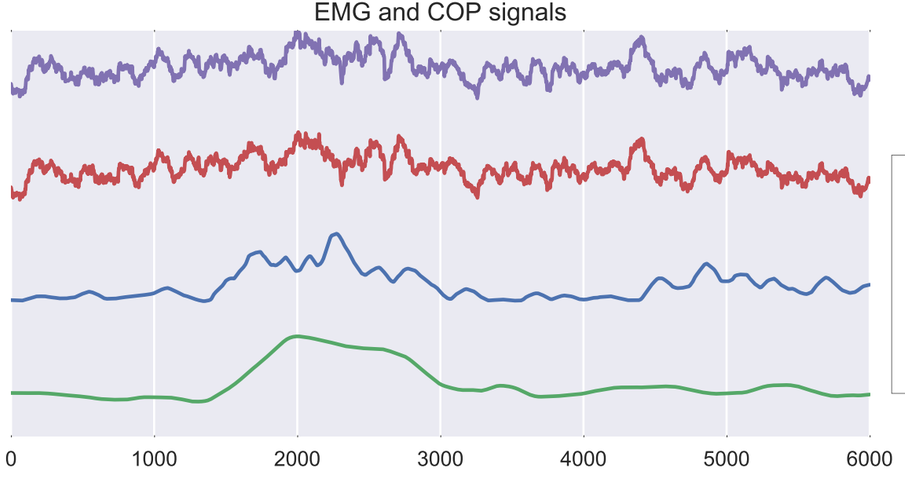


Rectus R - Multifidus R
COP Y trajectory
COP Y velocity
COP Y acelaration

Correlation coeficient EMG/COPY: -0.25908

Correlation coeficient EMG/velY: -0.10995

Correlation coeficient EMG/acelY: -0.06656

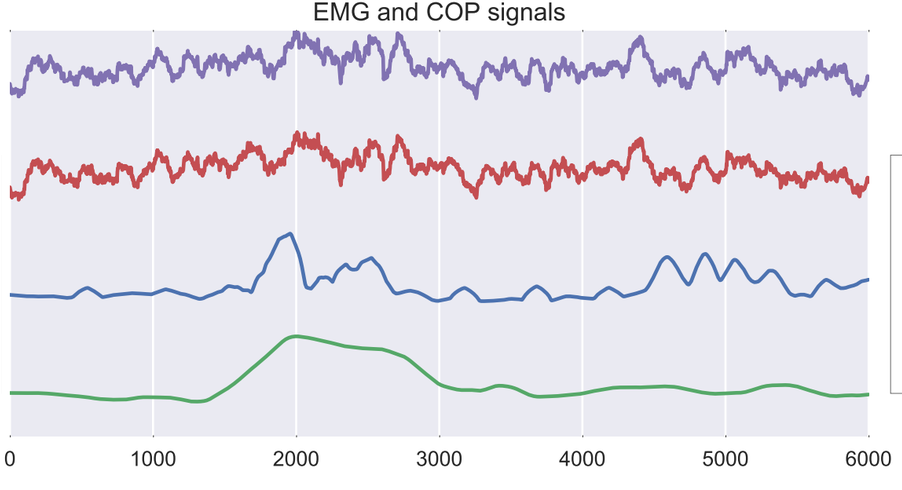


Obliques L - Ilicostalis L
COP Y trajectory
COP Y velocity
COP Y acelaration

Correlation coeficient EMG/COPY: 0.78583

Correlation coeficient EMG/velY: 0.45773

Correlation coeficient EMG/acelY: 0.44876



Obliques R - Ilicostalis R
COP Y trajectory
COP Y velocity
COP Y acelaration

Correlation coeficient EMG/COPY: 0.55371

Correlation coeficient EMG/velY: 0.28028

Correlation coeficient EMG/acelY: 0.31545