Figure EB1: Scatterplot matrix considering the first three principal components obtained based on the principal components analysis over the features selected based on methodology A and with the consideration of ECG signal on the baseline.
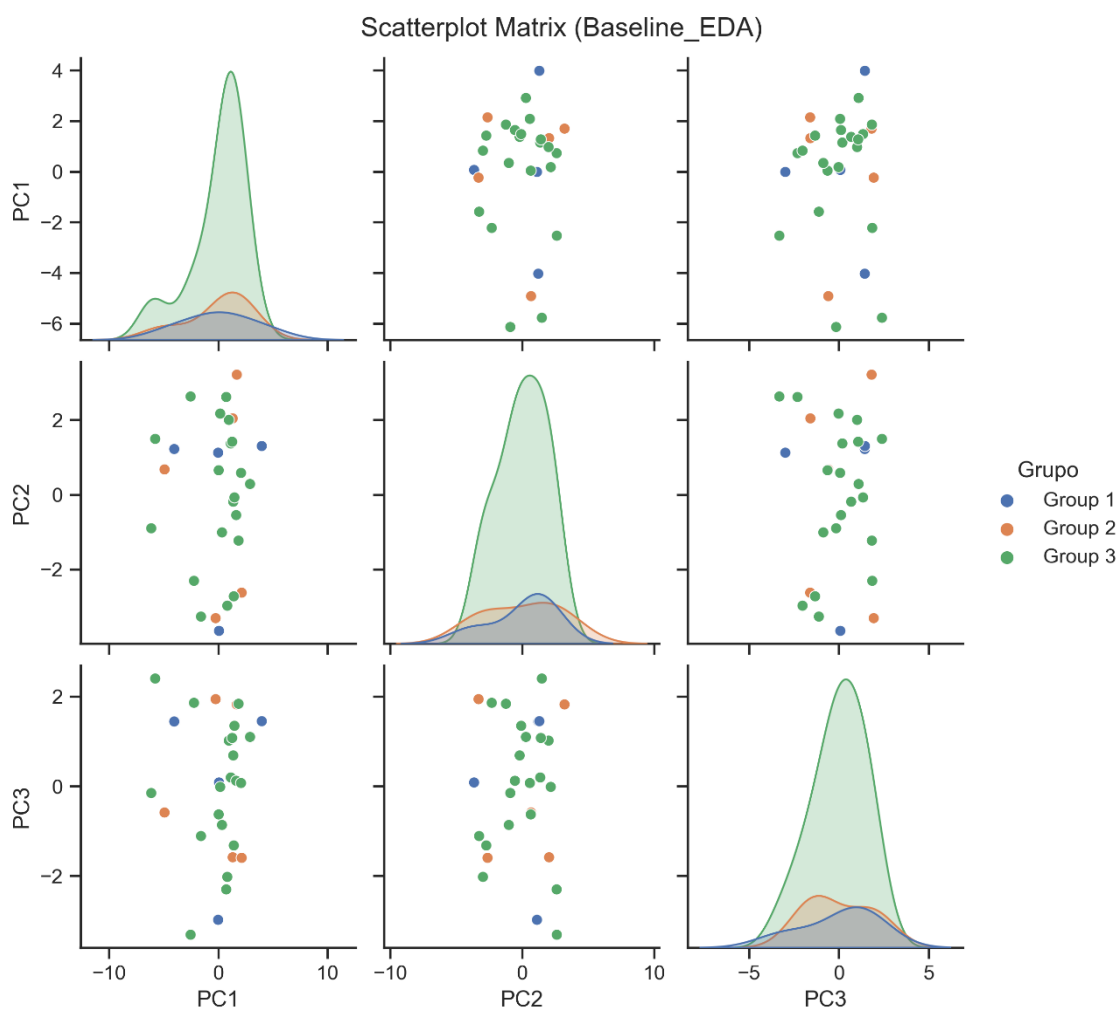
Figure EB2: Scatterplot matrix considering the first three principal components obtained based on the principal components analysis over the features selected based on methodology A and with the consideration of EDA signal on the baseline.

Figure EB3: Scatterplot matrix considering the first three principal components obtained based on the principal components analysis over the features selected based on methodology A and with the consideration of EMG signal on the baseline.
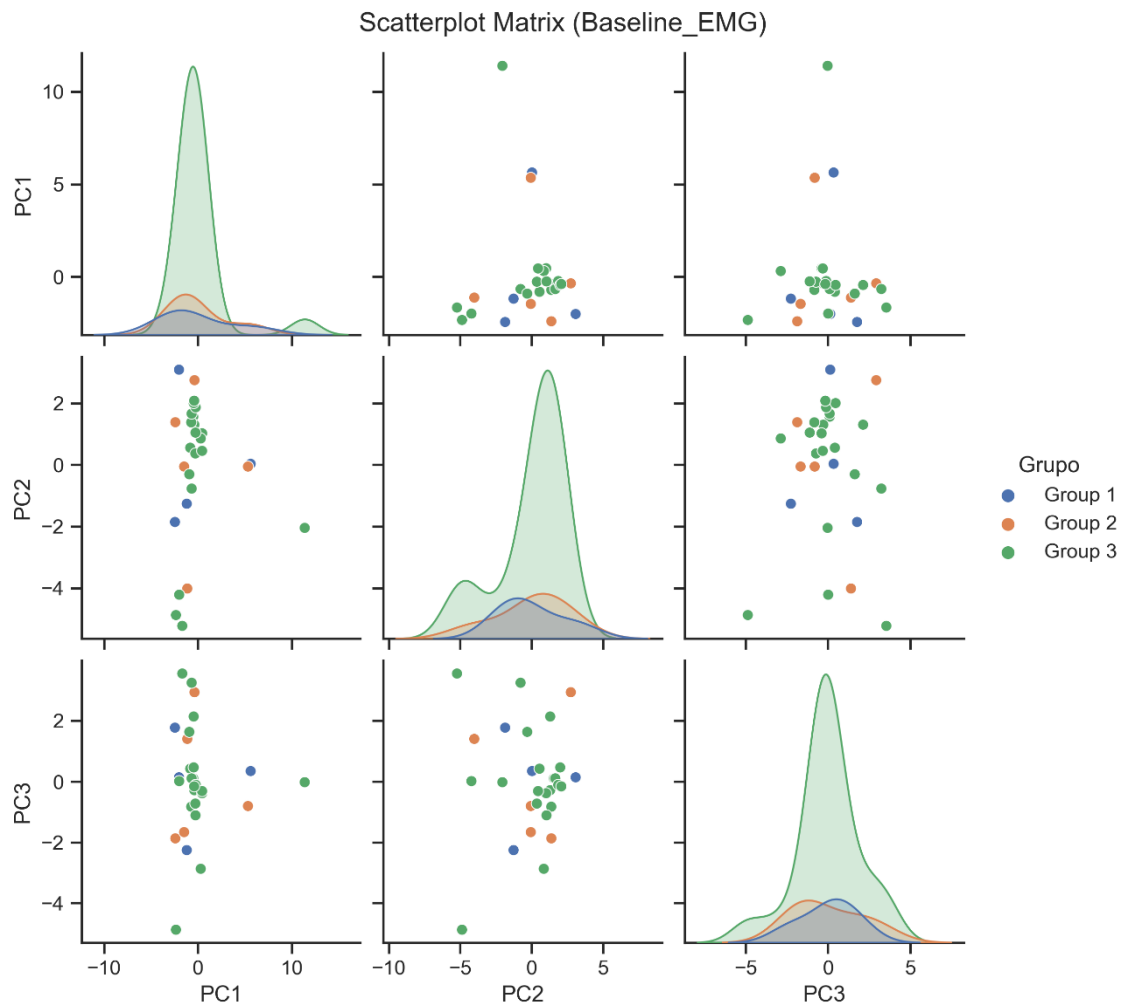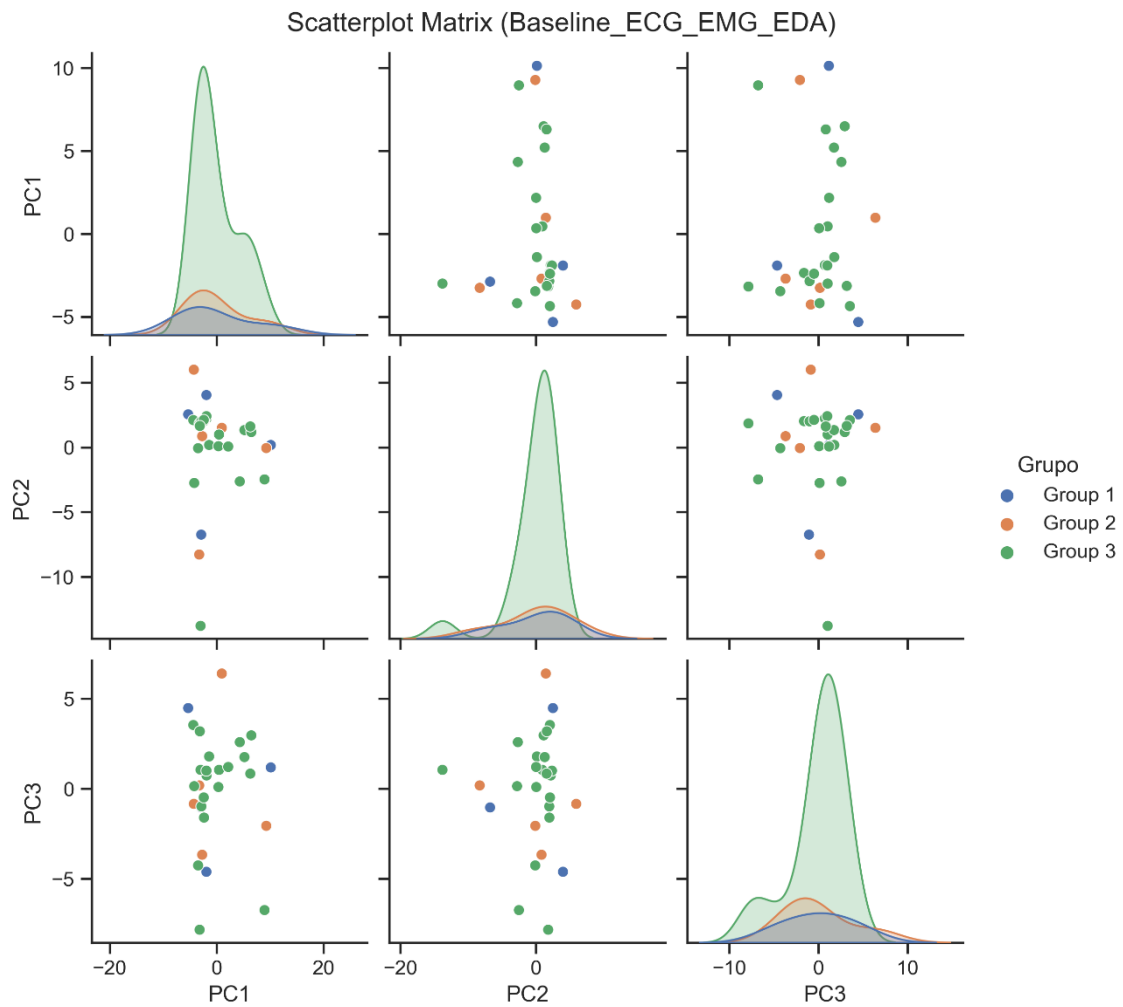
Figure EB4: Scatterplot matrix considering the first three principal components obtained based on the principal components analysis over the features selected based on methodology A and with the consideration of consideration of all physiological signals together on the baseline.