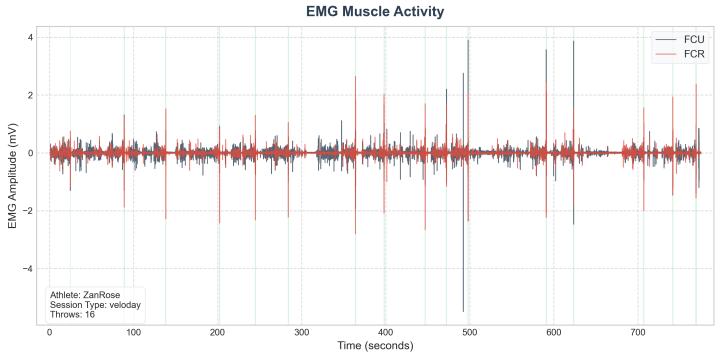
ZanRoseEMG Report for veloday Session

March 19, 2025

Throwing Summary

EMG Activity



EMG muscle activity throughout the session with throw regions highlighted in green.

Muscle Activation Intensity

Muscle Activation Intensity FCU Peak Amplitude FCR Peak Amplitude FCR Peak Amplitude 1.5 1.0 2 4 6 8 10 12 14 16

Peak muscle activation intensity for each throw.

Fatigue and Twitch Analysis

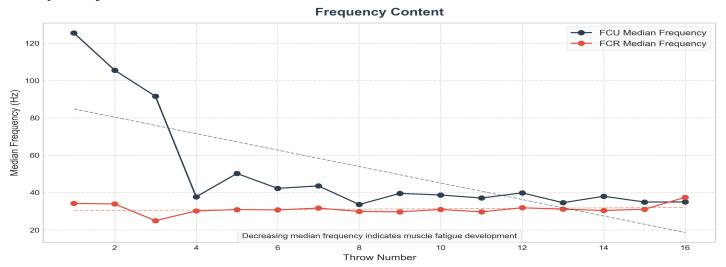
Signal Complexity

Signal Complexity FCU Complexity FCR Complexity FCR Complexity 1.5 3.0 2.5 Higher values indicate increased signal complexity; may suggest fatigue development 2 4 6 8 10 12 14 16

Signal complexity (spectral entropy) across throws.

Throw Number

Frequency Content

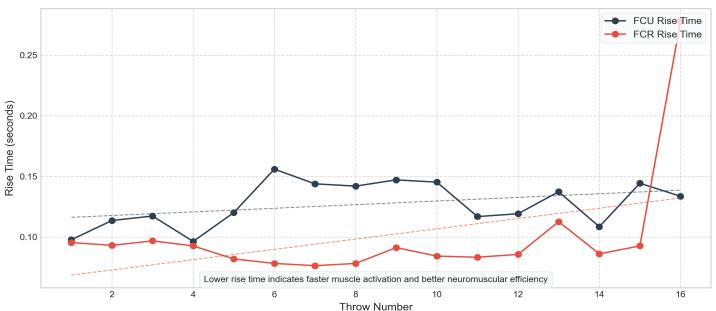


Median frequency content across throws.

Neuromuscular Analysis

Neuromuscular Efficiency (Rise Time)

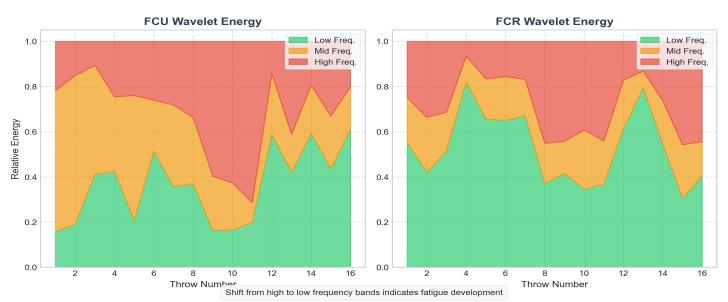
Muscle Activation Rise Time



Muscle activation rise time (time to reach peak contraction) across throws.

Wavelet Energy Distribution

Wavelet Energy Distribution



Distribution of energy across frequency bands for each throw.