

# 족관절의 근전도를 이용한 보행운동 분석

## Experimental Analysis on Walking Motion By Ankle Electromyograms

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1.

2.3

(1)

가

가

가 (2,3)

3

Fig. 1

2.

(4)

2.1

가

가

가

Fig. 1

, 가

(rearfoot)

(shank)

(4)

2.2

( ) (4)



Fig. 1 Main muscles at an ankle

† ;  
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\*  
\*\* ( )

3.

3.1

(5)

가

LAXTHA PolyG-A

가 , 5

. Fig. 2

(RMS, root mean square), (IEMG, integrated EMG), (ARV, average rectified value), ( $V_{RMS}$ )

3.2

, 1 가 40, 60, 90 SPM(stride per minute) 가 (가 , 0.9, 1.2, 1.8 m ) , treadmill

$V_{RMS}$

. Fig. 3

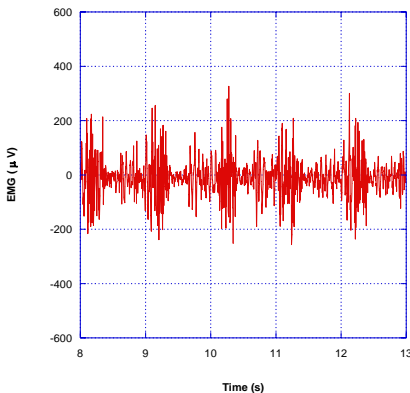


Fig.2 Electromyogram measured at an ankle

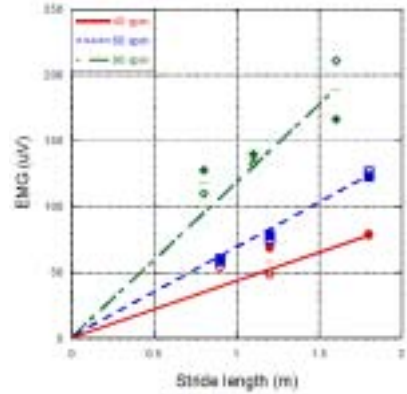


Fig. 3 Relationship of the magnitude of measured electromyogram signals and stride length

4.

가

가

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