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#### **ABBREVIATIONS**

LBP Low back pain

TrA Transversus abdominis

LM Lumbar multifidus

IO Internal oblique

IAP Intra-abdominal pressure

TLF Thoracolumbar fascia

EMG Electromyography

RTUI Real-time ultrasound imaging

PBU Pressure biofeedback unit

NMPRU Neuro-Musculoskeletal & Pain Research Unit

FT Fast-twitch

ST Slow-twitch

ICCs Intraclass correlation coefficients

SD Standard deviation

SEM Standard error of means

Mas Massage

LPS Lumbopelvic stability

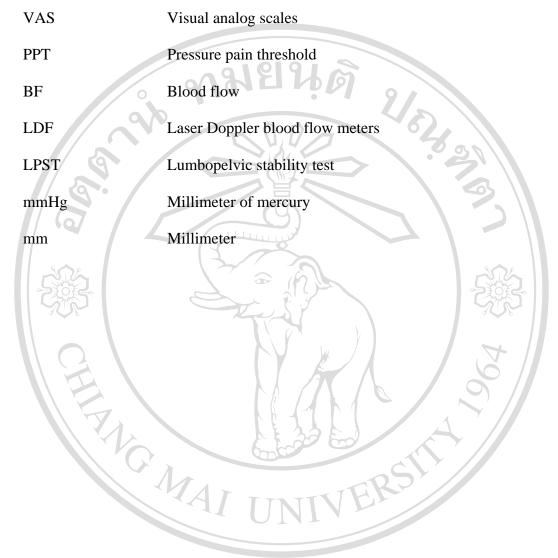
Mas&LPS Sport massage with lumbopelvic stability training

ลัยเชียอใหม

NS Not significant

VO<sub>2</sub> Oxygen consumption

ATP Adenosine triphosphate



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