

LIST OF PUBLICATIONS

This thesis is based on the following publications, which will be referred to in the text by their Roman numerals I-V. Certain new analyses and results are also added. Contents of published material were reprinted with kind permission from the respective copyright holders.

- Study I Elfving B, Németh G, Arvidsson I, Lamontagne M.
Reliability of EMG spectral parameters in repeated measurements of back muscle fatigue.
Journal of Electromyography and Kinesiology 1999;9:235-243.
- Study II Elfving B, Németh G, Arvidsson I.
Back muscle fatigue in healthy men and women studied by electromyography spectral parameters and subjective ratings.
Scandinavian Journal of Rehabilitation Medicine 2000;32:119-125.
- Study III Elfving B, Liljequist D, Mattsson E, Németh G.
Influence of interelectrode distance and force level on the spectral parameters of the electromyographic signal recorded from the lumbar muscles.
Journal of Electromyography and Kinesiology 2002;12:295-304.
- Study IV Elfving B, Liljequist D, Dederig Å, Németh G.
Recovery of electromyograph median frequency after back muscle fatigue analysed using an exponential time dependence model.
European Journal of Applied Physiology 2002;88(1-2):85-93
- Study V Elfving B, Dederig Å, Németh G.
Lumbar muscle fatigue and recovery in patients with long-term low-back trouble.
Submitted for publication.

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