

# **Lumbar Muscle Fatigue and Recovery**

**Evaluation of electromyography  
in patients with long-term low-back pain  
and in healthy subjects**

Britt Elfving



STOCKHOLM 2002

Dissertation from Neurotec Department, Division of Physiotherapy, and  
Department of Surgical Sciences, Section of Orthopedics,  
Karolinska Institutet, Stockholm, Sweden.

© Britt Elfving 2002  
ISBN 91-7349-391-0

**To David**