

1. Record Nr.	UNINA9910778644203321
Titolo	Work-related musculoskeletal disorders : report, workshop summary, and workshop papers // Steering Committee for the Workshop on Work-Related Musculoskeletal Injuries: the Research Base ; Committee on Human Factors, Commission on Behavioral and Social Sciences and Education, National Research Council
Pubbl/distr/stampa	Washington, D.C. : , : National Academy Press, , 1999
ISBN	0-309-17324-8 1-280-21035-4 9786610210350 0-309-53920-X 0-585-05537-8
Descrizione fisica	1 online resource (x, 229 pages) : illustrations
Disciplina	617.4/7044
Soggetti	Musculoskeletal system - Wounds and injuries Stress (Physiology) Musculoskeletal system - Mechanical properties Occupational diseases
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	""Work-Related Musculoskeletal Disorders""; ""Copyright""; ""Contents""; ""PREFACE""; ""II WORKSHOP SUMMARY ""; ""Introduction""; ""Organizing Framework""; ""Biological Responses of Tissues to Stressors""; ""PRESENTATIONS""; ""Soft Tissue Responses to Physical Stressors: Muscles, Tendons, and Ligaments""; ""Muscles""; ""Tendons and Ligaments""; ""Soft Tissue Responses to Physical Stressors: Nerves""; ""DISCUSSION""; ""Work Factors, Individual Host Factors, and Internal Loads: Biomechanics of Work Stressors""; ""PRESENTATION""; ""Work Factors and Biomechanics""; ""DISCUSSION"" ""Epidemiology: Physical Factors"" ""PANEL DISCUSSION""; ""WORKSHOP DISCUSSION""; ""Non-Biomechanical Factors That Can Affect Musculoskeletal Disorders""; ""PRESENTATION""; ""Epidemiological Evidence that Non-Biomechanical Factors Can Cause Musculoskeletal

Disorders"; "Individual Factors"; "Organizational and Social Factors";
"DISCUSSION"; "Intervention to Control Musculoskeletal Disorders";
"PRESENTATION"; "The Research on Interventions to Control
Musculoskeletal Disorders"; "DISCUSSION"; "Conclusion: Integration
and Overview"; "PANEL COMMENTS"; "GENERAL DISCUSSION"
"REFERENCES" "Appendix A Invitees and Participants, Workshop on
Work-Related Musculoskeletal Injuries: Examining ...";
"PARTICIPANTS"; "INVITEES WHO WERE UNABLE TO ATTEND";
"STAFF"; "Appendix B"; "III WORKSHOP PAPERS "; "Response of
Muscle and Tendon to Injury and Overuse"; "INTRODUCTION";
"MUSCLE"; "Contraction-induced Injury"; "Single-event muscle strain
injuries:"; "Muscle Fatigue"; "Muscle Pain"; "Aging Effects in
Muscle"; "Effect of Exercise on Muscle"; "Estimation of Muscle and
Tendon Forces"; "PASSIVE TENSILE STRUCTURES:"; "Ligament"
"Ligament response to alterations in loading" "Ligamentous response
to repetitive loading"; "Age-Related Changes in Ligaments";
"Tendon"; "Cumulative Strain"; "Animal models of tendon response
to exercise"; "Animal models for inducing tendinosis.";
"Measurements of Carpal Tunnel Pressure"; "Muscle-Tendon Unit";
"BRIEF DISCUSSION THE SITE OF INJURY."; "CONCLUSIONS";
"Tendon/ligament"; "Muscle"; "FUTURE DIRECTIONS";
"REFERENCES"; "Biological Response of Peripheral Nerves to Loading:
Pathophysiology of Nerve Compression Syndromes and Vibration
Induced"
"INTRODUCTION" "STRUCTURE AND FUNCTION OF PERIPHERAL
NERVES"; "Microanatomy"; "Normal Gliding of Nerve Trunks";
"PURPOSE OF THIS REPORT DATABASE SEARCH"; "EXPERIMENTAL
DEVICES FOR NERVE COMPRESSION IN ANIMALS"; "NERVE
COMPRESSION ACUTE EFFECTS (HOURS)"; "NERVE COMPRESSION
SHORT-TERM EFFECTS (DAYS)"; "NERVE COMPRESSION LONG-TERM
EFFECTS (WEEKS)"; "HISTOLOGY OF HUMAN NERVE COMPRESSION";
"VIBRATION AND NERVE SHORT-TERM EFFECTS (DAYS)"; "HISTOLOGY
OF HUMAN VIBRATION INDUCED NEUROPATHY"; "EXTRANEURAL
PRESSURE IN NERVE COMPRESSION SYNDROMES"; "EFFECTS OF JOINT
POSTURE AND HAND LOADING ON EXTRANEURAL PRESSURE IN NORMAL
SUBJECTS"
