

STP 1446

*Safety in Ice Hockey:
Fourth Volume*

D. J. Pearsall and A. B. Ashare, editors

ASTM Stock Number: STP1446



ASTM International
100 Barr Harbor Drive
PO Box C700
West Conshohocken, PA 19428-2959

Printed in the U.S.A.

Contents

Overview

vii

MEASURES OF INJURY

- Injuries in Women's Recreational Ice Hockey: Outcome and Follow-up—**
D. C. VOAKLANDER, D. M. DRYDEN, L. H. FRANCESCUTTI, J. C. SPENCE, AND
B. H. ROWE 3
- Coaches' Perceptions of Aggression in Elite Women's Ice Hockey—**
G. A. BLOOM AND J. L. VANIER 12
- Intimidation in Ice Hockey: An Exploratory Assessment—**B. J. CRAWFORD,
M. J. STUART, A. M. SMITH, AND R. D. BRENNAN 26
- Epidemiology of NCAA Men's Ice Hockey Injuries—**R. F. LAPRADE, R. N. DICK,
T. A. KIFF, AND F. A. WENTORF 40
- The Power of the Denominator: A Proposal for More Comprehensive
Modeling of Risk Factors in Ice Hockey Injuries—**M. J. STUART,
A. M. SMITH, AND D. R. LARSON 52
- A Review of Ice Hockey Injuries: Location, Diagnosis, and Mechanism—**
Y. H. AZUELOS, D. J. PEARSALL, R. A. TURCOTTE, AND D. L. MONTGOMERY 59
- Measuring the Effects of Initiating Body Checking at the Atom Age Level—**
W. J. MONTELPARE AND M. N. MCPHERSON 70

HEAD PROTECTION AND CONCUSSIONS

- Adherence to Return-to-Play Guidelines Following a Sport-Induced
Concussion—**D. GOODMAN, B. GALL, AND A. MILLER 87
- Minor Traumatic Brain Injury "mTBI" in Ice Hockey and Other Contact
Sports: Injury Mechanisms at the Macro and Histological Levels and
Prevention Strategies—**N. BIASCA AND H. P. SIMMEN 98
- Perceptions of Equipment On-Ice Attitudes and Performance of Ice Hockey
Players—**R. A. JANSKI AND B. B. MEYER 117

SPORTSMANSHIP AND SOCIAL ISSUES

Rediscovering Youth Sportsmanship —J. MARICONDA, AND A. J. MARICONDA	135
Structuring the Ice Hockey Environment to Promote the Development of Positive Values —M. ROY, AND D. BERNARD	139
The Values of Coaches and Players About Rule Infractions, Violence, and Ethics —D. BERNARD AND P. TRUDEL	152
Communities of Practice as an Approach to Foster Ice Hockey Coach Development —P. TRUDEL AND W. D. GILBERT	167
Body Checking and Injury in Ice Hockey: A Technical and Behavioral Assessment —M. S. JUHN	180
Responsibilities and Liabilities for Coaches, Officials and Leagues with Respect to Safety in Ice Hockey —M. S. GRANGER, A. AUGERI, AND A. PELLETIER	193

TRAINING AND PERFORMANCE MEASUREMENT

The Effects of an Upper Body Plyometrics Program on Male University Hockey Players —M. FERGENBAUM AND G. W. MARINO	209
Creatine Supplementation in Ice Hockey: A Review of Applicability and Safety —M. S. JUHN	224
Does a Bimolar Mouthguard Alter Ventilation of Hockey Players? — D. L. MONTGOMERY, C. STEFIK, J. S. DELANEY, D. J. PEARSALL, AND R. A. TURCOTTE	237
Psychophysiological Factors and Performance in Ice Hockey Goalies During Competition —A. M. SMITH, S. B. FINNIE, M. J. STUART, J. MEIS, K. M. BEAVER, E. R. LASKOWSKI, AND W. F. YOUNG	244
Comparison of Ice Versus Treadmill Skating—Plantar Force Distribution Patterns —R. A. TURCOTTE, D. J. PEARSALL, D. L. MONTGOMERY, R. LEFEBVRE, D. OFIR, AND J. J. LOH	265
The Biomechanical Characteristics of Development—Age Hockey Players: Determining the Effects of Body Size on the Assessment of Skating Technique —M. N. MCPHERSON, A. WRIGLEY, AND W. J. MONTELPARE	272
Task Analysis (Hitting, Shooting, Passing and Skating) of Professional Hockey Players —D. L. MONTGOMERY, K. NOBES, D. J. PEARSALL, AND R. A. TURCOTTE	288
Indexes	297