The Journal of Arthroplasty

Official Journal of the American Association of Hip and Knee Surgeons

EDITOR-IN-CHIEF

RICHARD H. ROTHMAN, MD, PhD Department of Orthopaedic Surgery Thomas Jefferson University

Philadelphia, PA

EUROPEAN EDITOR-IN-CHIEF

M. A. R. FREEMAN, MD, FRCS

The Royal London Hospital London, UK

ASSISTANT EDITOR-IN-CHIEF

WILLIAM J. HOZACK, MD

Department of Orthopaedic Surgery Thomas Jefferson University Philadelphia, PA

FOUNDING EDITOR-IN-CHIEF

David S. Hungerford, MD

EDITORIAL ADVISORY BOARD

Lawrence D. Dorr, MD Chitranjan S. Ranawat, MD W. Norman Scott, MD Rocky Tuan, PhD

EDITORIAL BOARD

Roy Aaron, MD Thomas Andriacchi, PhD Gordon Bannister, MD

Daniel J. Berry, MD Benjamin Bierbaum, MD

J. David Blaha, MD Gordon Blunn, PhD

J. Dennis Bobyn, PhD Nikolaus Boehler, MD

Robert Bourne, MD Hugh U. Cameron, MD

Jun-Dong Chang, MD

Wui K. Chung, FRACS Poalo Cherubino, MD

John P. Collier, DE Clifford Colwell, MD

Stephen D. Cook, PhD

John M. Cuckler, MD

Randall W. Culp, MD James A. D'Antonio, MD

Douglas A. Dennis, MD

Clive P. Duncan, MD Avram A. Edidin, PhD

Roger H. Emerson, Jr., MD

Charles Engh, MD Henry A. Finn, MD

Theodore P. Firestone, MD Victor M. Goldberg, MD

Stuart B. Goodman, MD

Seth A. Greenwald, D Phil

P. Griss, MD

Allan E. Gross, MD Thomas A. Gruen, MS

William H. Harris, MD

John A. L. Hart, MB BS

William L. Healy, MD

Peter Herberts, MD W. Andrew Hodge, MD Aaron A. Hofmann, MD Rik Huiskes, PhD Eric L. Hume, MD

David S. Hungerford, MD Michael H. Huo, MD

Allan E. Inglis, MD John Insall, MD

Joshua J. Jacobs, MD Michael A. Jacobs, MD

Douglas E. Jessup, MD Rivaz H. Jinnah, MD

Johan Kärrholm, MD, PhD E. Michael Keating, MD

Ira H. Kirschenbaum, MD

Karl Knahr, MD Tomihisa Koshino, MD

Kenneth A. Krackow, MD

Joseph M. Lane, MD Frantz Langlais, MD

Carlos J. Lavernia, MD Roger G. Lemaire, MD

Roger N. Levy, MD

Courtland G. Lewis, MD Stephen Li, PhD

Adolph V. Lombardi, Jr, MD

Jess H. Lonner, MD Paul A. Lotke, MD

Jay D. Mabrey, MD William Maloney, MD

Eric Masterson, FRCS (Orth)

David Mattingly, MD Harry A. McKellop, PhD Michael A. Mont, MD

John R. Moreland, MD Bernard F. Morrey, MD Erwin W. Morscher, MD

Raghu N. Natarjan, PhD Carl L. Nelson, MD

Shigeo Niwa, MD Philip C. Noble, PhD

J. Y. Nordin, MD Douglas E. Padgett, MD

Wavne Paprosky, MD Hugh Phillips, MB FRCS

Merrill A. Ritter, MD Aaron G. Rosenberg, MD

Leif Ryd, MD, PhD

Kent M. Samuelson, MD Steven F. Schutzer, MD

Richard D. Scott, MD Laurent Sedel, MD

Peter F. Sharkey, MD James A. Shaw, MD

John Michael Siliski, MD

Charles Sorbie, FRCS

Antonín Sosna, DrSc

William T. Stillwell, MD Steven A. Stuchin, MD

Bernard N. Stulberg, MD

Nobuhiko Sugano, MD, PhD Rick Sumner, PhD

Kunio Takaoka, MD Hugh S. Tullos, MD

J. Fernandez Valderrama, MD

Peter Walker, PhD Richard B. Welch, MD Leo A. Whiteside, MD Richard L. Worland, MD

AMERICAN ASSOCIATION OF HIP AND KNEE SURGEONS

Richard B. Welch, MD, President John J. Callaghan, MD, First Vice-President Douglas A. Dennis, MD, Second Vice-President Clifford W. Colwell, Jr., MD, Third Vice-President Joseph C. McCarthy, MD, Secretary William J. Hozack, MD, Treasurer James A. Rand, MD, Immediate Past President

James P. Crutcher, MD, Member-at-Large Michael D. Ries, MD, Member-at-Large Carlos J. Lavernia, MD, Member-at-Large James B. Stiehl, MD, Member-at-Large Douglas A. Dennis, MD, Educational Committee Chair Kenneth A. Krackow, MD, Membership Committee Chair