

Foreword

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Keith R. Berend, M.D. Vice President Joint Implant Surgeons, Inc., New Albany, Ohio, Chief Executive Officer and President, White Fence Surgical Suites, New Albany, Ohio, Attending Surgeon, Mount Carmel Health System, Columbus, Ohio

Adolph V. Lombardi, Jr., M.D., F.A.C.S., President, Joint Implant Surgeons, Inc., New Albany, Ohio Clinical Assistant Professor, Department of Orthopaedics, The Ohio State University Wexner Medical Center, Columbus, Ohio, Attending Surgeon, Mount Carmel Health System, Columbus, Ohio

It is with great pleasure that we provide a foreword to this edition of Surgical Technology International. This volume contains dozens of incredibly relevant scientific articles spanning a wide range of surgical fields from wound healing, to orthopaedics, to general surgery, and others.

This edition is truly cutting edge with multiple research articles describing novel stem cell and regenerative cell technologies for use in multiple applications such as wound healing and spine surgery. It is amazing to see while each of these surgical specialties is very different, how each have embraced new technology to improve the care of the patient. We see other trends such as minimally invasive surgery and robotic surgery both in hernia repair and hip replacement. We also see an emphasis on laparoscopic techniques in general, thoracic, and gynecological surgeries.

Specific to orthopaedics, the reader is introduced to new technologies like robotic-arm total hip replacement, novel sensors for balancing total knee arthroplasty, and new bearing technology with antioxidant infused polyethylene.

It is with great interest that we see the use of clinical research and technology benefiting patients through multiple disciplines of surgery. This volume is truly a compliment to the many researchers and clinical caregivers who have come together to advance the care of the human subject. Many times in our field of orthopaedics, we will explain to patients we don't want to always be the first to jump on new technology, but we certainly do not want to be the last. Through Surgical Technology International, the readers are able to be exposed to novel and advancing technologies such that they are definitely not the last to embrace them.

We are certain that the readers of Surgical Technology International will join us in finding extraordinary interest in fields outside of our own. It is tremendously stimulating and in fact fun to read about and explore the novel technologies that our colleagues around the world are investigating, embracing, and applying to the care of their patients.