

CONTRIBUTORS

EDITOR

FREDERICK M. AZAR, MD

Professor, Department of Orthopaedic Surgery and Biomedical Engineering, The University of Tennessee Health Science Center; Chief-of-Staff, Campbell Clinic, Inc, Memphis, Tennessee, USA

AUTHORS

JAKOB ACKERMANN, MD

Orthopedic Resident, Department of Orthopedics, Balgrist University Hospital, University of Zurich, Zurich, Switzerland

KAZZANDRA ALANIZ, BS

Department of Bioengineering, Clemson University, Clemson, South Carolina, USA; The Clemson University Medical University of South Carolina Bioengineering Program, Charleston, South Carolina, USA

BRANDON ALLEN, BA

National Spine Health Foundation, Reston, Virginia, USA

BRIELLE ANTONELLI, BA

Research Assistant, Department of Orthopedic Surgery, Brigham and Women's Hospital, Harvard Medical School, Boston, Massachusetts, USA

MOHAMMAD T. AZAM, BS

Orthopaedic Surgery Research Fellow, Foot and Ankle Division, Department of Orthopaedic Surgery, NYU Langone Health, New York, New York, USA

TYLER J. BROLIN, MD

Department of Orthopaedic Surgery and Biomedical Engineering, The University of Tennessee Health Science Center–Campbell Clinic, Memphis, Tennessee, USA; Campbell Clinic Orthopaedics, Germantown, Tennessee, USA

JOSEPH E. BURKHARDT, DO

Bronson Orthopedic Specialists, Battle Creek, Michigan, USA

JAMES J. BUTLER, MB, BCh

Orthopaedic Surgery Research Fellow, Foot and Ankle Division, Department of Orthopaedic Surgery, NYU Langone Health, New York, New York, USA

ANTONIA F. CHEN, MD, MBA

Orthopedic Surgeon, Department of Orthopedic Surgery, Brigham and Women's Hospital, Harvard Medical School, Boston, Massachusetts, USA

JAMES CHOW, MD

Chow Surgical LLC, Phoenix, Arizona, USA

JONATHAN R. DANOFF, MD

Attending Orthopedic Surgeon, Department of Orthopedic Surgery, Northwell Health Orthopedic Institute, Great Neck, New York, USA

ZACHARY R. DILTZ, MD

Department of Orthopedic Surgery, LeBonheur Children's Hospital, Department of Orthopedic Surgery, The University of Tennessee Health Science Center–Campbell Clinic, Memphis, Tennessee, USA; Campbell Clinic Orthopedics, Germantown, Tennessee, USA

MATTHEW L. DUENES, MD

Orthopaedic Surgery Resident, Foot and Ankle Division, Department of Orthopaedic Surgery, NYU Langone Health, New York, New York, USA

TRAVIS EASON, MD

Department of Orthopaedic Surgery and Biomedical Engineering, The University of Tennessee Health Science Center–Campbell Clinic, Memphis, Tennessee, USA

MOHAN S.R. ELAPOLU, PhD

Department of Automotive Engineering,
Clemson University, Greenville, South
Carolina, USA

DAVID W. FABI, MD

San Diego Orthopaedic Associates Medical
Group, Inc, San Diego, California, USA

**ANDREAS FONTALIS, MD, MSc (Res),
MRCS (Eng)**

Department of Trauma and Orthopaedic
Surgery, University College Hospital, Division of
Surgery and Interventional Science, University
College London, London, United Kingdom

ARIANNA L. GIANAKOS, DO

Foot and Ankle Surgery Fellow, Foot and
Ankle Division, Department of Orthopaedic
Surgery, NYU Langone Health, New York,
New York, USA

**DIA ELDEAN GIEBALY, MBChB, MSc,
FRCS (Tr&Orth), eMBA**

Department of Trauma and Orthopaedic
Surgery, University College Hospital, Division
of Surgery and Interventional Science,
University College London, London, United
Kingdom

JEREMY L. GILBERT, PhD

Department of Bioengineering, Clemson
University, Clemson, South Carolina, USA; The
Clemson University Medical University of
South Carolina Bioengineering Program,
Charleston, South Carolina, USA

MARK E. GITTINS, DO

OrthoNeuro, New Albany, Ohio, USA

FABRICE GLOD, MD

Hôpitaux Robert Schuman, Luxembourg-City,
Luxembourg

CHRISTOPHER R. GOOD, MD, FACS

Virginia Spine Institute, Reston, Virginia, USA

JEFFREY L. GUM, MD

Norton Leatherman Spine Center, Louisville,
Kentucky, USA

FARES S. HADDAD, BSc MD(Res)

MCh(Orth), FRCS (Tr&Orth), FFSEM

Department of Trauma and Orthopaedic
Surgery, University College Hospital, Division of
Surgery and Interventional Science, University
College London, London, United Kingdom

EHSAN JAZINI, MD

Virginia Spine Institute, Reston, Virginia, USA

BRENTON R. JENNEWINE, MD

Department of Orthopaedic Surgery and
Biomedical Engineering, The University of
Tennessee Health Science Center–Campbell
Clinic, Campbell Clinic Orthopaedics,
Memphis, Tennessee, USA

TODD JONES, BA

Research Assistant, Department of
Orthopedic Surgery, Brigham and Women's
Hospital, Harvard Medical School, Boston,
Massachusetts, USA

BERTRAND P. KAPER, MD

Orthopaedic Specialists of Scottsdale,
Scottsdale, Arizona, USA

**BABAR KAYANI, BSc (Hons), MBBS, FRCS
(Tr&Orth), PhD**

Department of Trauma and Orthopaedic
Surgery, University College Hospital, London,
United Kingdom

**JOHN G. KENNEDY, MD, MCh, MMSc,
FFSEM, FRCS (Orth)**

Chief of Foot and Ankle Surgery, Foot and
Ankle Division, Department of Orthopaedic
Surgery, NYU Langone Health, New York,
New York, USA

MICHAEL A. KURTZ, BS

Department of Bioengineering, Clemson
University, Clemson, South Carolina, USA; The
Clemson University Medical University of
South Carolina Bioengineering Program,
Charleston, South Carolina, USA

JEFFREY K. LANGE, MD

Orthopedic Surgeon, Department of
Orthopedic Surgery, Brigham and Women's
Hospital, Harvard Medical School, Boston,
Massachusetts, USA

THOMAS W. McALLISTER, MBBS

Medical Student, Foot and Ankle Division,
Department of Orthopaedic Surgery, NYU
Langone Health, New York, New York, USA;
University of Cambridge School of Clinical
Medicine, Cambridge, United Kingdom

GERGO BELA MERKELY, MD

Orthopedic Resident, Department of
Orthopedic Surgery, Brigham and Women's
Hospital, Harvard Medical School, Boston,
Massachusetts, USA

ALEXANDRE BARBIERI MESTRINER, MD
Orthopedic Surgeon, Department of
Orthopedics and Traumatology, Federal
University of Sao Paulo - Paulista, School of
Medicine, Sao Paulo, Brazil

WILLIAM MIHALKO, MD
Department of Orthopaedic Surgery and
Biomedical Engineering, The University of
Tennessee Health Science Center–Campbell
Clinic, Memphis, Tennessee, USA

WILLIAM NELSON, MS
Department of Bioengineering, Clemson
University, Clemson, South Carolina, USA; The
Clemson University Medical University of
South Carolina Bioengineering Program,
Charleston, South Carolina, USA

LINDSAY D. OROSZ, MS, PA-C
National Spine Health Foundation, Reston,
Virginia, USA

RICCI PLASTOW, MBChB, FRCS (Tr&Orth)
Department of Trauma and Orthopaedic
Surgery, University College Hospital, London,
United Kingdom

PIERRE PUTZEYS, MD
Hôpitaux Robert Schuman, Luxembourg-City,
Luxembourg

RAHUL RAI, PhD
Department of Automotive Engineering,
Clemson University, Greenville, South
Carolina, USA

VINAYA RAJAHRAMAN, BS
Department of Orthopedic Surgery, NYU
Langone Health, New York, New York, USA

PIERRE-EMMANUEL SCHWAB, MD
Medical Doctor, Tufts Medical Center, Boston,
Massachusetts, USA

RAN SCHWARZKOPF, MD, MSc
Department of Orthopedic Surgery, NYU
Langone Health, New York, New York, USA

GILES R. SCUDERI, MD
Professor, Department of Orthopedic
Surgery, Northwell Health Orthopedic
Institute, Garden City, New York, USA

BENJAMIN J. SHEFFER, MD
Department of Orthopedic Surgery,
LeBonheur Children's Hospital, Department of
Orthopedic Surgery, The University of
Tennessee Health Science Center–Campbell
Clinic, Memphis, Tennessee, USA; Campbell
Clinic Orthopedics, Germantown, Tennessee,
USA

ITTAI SHICHMAN, MD
Department of Orthopedic Surgery, NYU
Langone Health, New York, New York, USA

PATRICK C. TOY, MD
Department of Orthopaedic Surgery and
Biomedical Engineering, The University of
Tennessee Health Science Center–Campbell
Clinic, Memphis, Tennessee, USA

RAYMOND C. WALLS
Student Researcher, Foot and Ankle Division,
Department of Orthopaedic Surgery, NYU
Langone Health, New York, New York, USA

MAXWELL WEINBERG, MD
Attending Orthopedic Surgeon, Department
of Orthopedic Surgery, Northwell Health
Orthopedic Institute, Garden City, New York,
USA

AUDREY C. WESSINGER
Department of Bioengineering, Clemson
University, Clemson, South Carolina, USA; The
Clemson University Medical University of
South Carolina Bioengineering Program,
Charleston, USA

TAREK YAMOUT, MD
Virginia Spine Institute, Reston, Virginia, USA

RUOYU YANG, PhD
Department of Automotive Engineering,
Clemson University, Greenville, South
Carolina, USA