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## Marcus Sciadini, MD

Academic Title:

Professor

Primary Appointment:

Orthopaedics

Administrative Title:

Chief of Orthopaedics, University of Maryland Medical Center Midtown Campus

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## Education and Training

Vanderbilt University School of Medicine, MD, 1992

Vanderbilt University Medical Center, Internship in General Surgery, 1993

Vanderbilt University Medical Center, Research Fellow, 1995

Vanderbilt University Medical Center, Residency in Orthopaedic Surgery, 1999

University of Maryland Medical System, Fellowship in Orthopaedic Trauma, 2000

## Biosketch

Marcus F. Sciadini, MD, is a board-certified orthopaedic surgeon who specializes in orthopaedic traumatology and complex fracture care. He has extensive experience in revision surgery for fractures that have not healed (nonunion) and fractures that have healed incorrectly (malunion), pelvis and acetabulum surgery, treatment of complex articular and periarticular fractures, and posttraumatic reconstruction.

Dr. Sciadini earned his medical degree at Vanderbilt University School of Medicine in Nashville, Tennessee. He then completed an internship in general surgery, a residency in orthopaedic surgery, and a research fellowship at Vanderbilt University Medical Center. Dr. Sciadini continued his education with a fellowship at the world-renowned R Adams Cowley Shock Trauma Center in Baltimore, Maryland. He is now an Associate Professor at the University of Maryland School of Medicine Department of Orthopaedics and Chief of Orthopaedics of University of Maryland Medical Center Midtown Campus.

Dr. Sciadini has developed several innovative techniques, including transfibular plating of distal tibial fractures and intraarticular osteotomy for medial tibial plateau fractures with lateral joint impaction. Daily, he is involved with the teaching of residents, trauma fellows, and medical students at the R Adams Cowley Shock Trauma Center.

His most recent research interests include development of a surgical simulator for orthopaedic trainees, comparison of types of orthopaedic drill bits, functional outcomes of elderly patients, prediction of tibial nonunions, survivorship after high-energy trauma, predictors of unplanned reoperation of pelvic ring injuries, risk factors for early reoperation of acetabular fractures, prediction of pelvic ring union without displacement.

Dr. Sciadini is the author of more than 50 peer-reviewed scientific articles and book chapters on complex fractures, lower-extremity injuries, and upper-extremity injuries. He has also presented his research at numerous local, national, and international conferences.

When not working, Dr. Sciadini enjoys time with his wife and two daughters and keeps active with CrossFit, mountain biking, and wakeboarding.

## Research/Clinical Keywords

Complex articular fractures, malunion, nonunion, orthopaedic traumatology, osteomyelitis, pelvis and acetabulum surgery, posttraumatic reconstruction, surgical simulation

## Highlighted Publications

Hardeski D, Gaski G, Joshi M, Venezia R, Nascone J, **Sciadini M**, O'Toole RV. Can applied external fixators be sterilized for surgery? A prospective cohort study of orthopaedic trauma patients. *Injury* 2016;47(12):2679–2682.

Shah SB, Manson TT, Nascone JW, **Sciadini MF**, O'Toole RV. Radiographic determinants of early clinical failure after fixation of posterior wall acetabular fractures. *Orthopedics* 2016;39(6):e1104–e1111.

Hamaker M, O'Hara NN, Eglseder WA, **Sciadini MF**, Nascone JW, O'Toole RV. Radiographic predictors of symptomatic screw removal after retrograde femoral nail insertion. *Injury* 2017 [Epub ahead of print, January 6].

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