

**MASSACHUSETTS GENERAL HOSPITAL
DEPARTMENT OF ORTHOPAEDIC SURGERY**

GRAND ROUNDS

Nicholas M. Bernthal, MD

*Associate Professor in Residence
Chief, Division of Musculoskeletal Oncology
Director, UCLA Global Orthopaedic Initiative
Department of Orthopaedic Surgery
David Geffen School of Medicine at UCLA
Los Angeles, CA*

***“Beyond Sticks and Cement: Leveraging Basic
Science to Improve Orthopaedic Outcomes”***



Thursday, May 30, 2019

6:45 am - 7:45 am

***Massachusetts General Hospital
O’Keeffe Auditorium***





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Nicholas M. Bernthal, MD is an Associate Professor in the UCLA Department of Orthopaedic Surgery and Chief of the Division of Musculoskeletal Oncology. He is a surgeon-scientist who leads one of the busiest sarcoma practices in the country, while leading an NIH-funded basic science laboratory.

Dr. Bernthal was born and raised in Washington D.C. He played varsity basketball at Princeton University, while studying political science. He earned his medical degree from Cornell Medical School and did his residency at UCLA. He completed two fellowships - one in Orthopaedic Research at UCLA and the other at the Huntsman Cancer Institute in Salt Lake City, UT. He has been on faculty at UCLA since 2013.

Dr. Bernthal’s laboratory developed and published a mouse model of post-arthroplasty infection that has become widely used by academics, regulatory officials, and industry. The model leverages a panel of bioluminescent bacteria to allow longitudinal real-time in vivo tracking of infection, while using immunomodulated mice so that fluorescence imaging can track immune response. This model has produced twenty peer-reviewed papers, numerous grants, and multiple awards, but perhaps most importantly, has been adopted by scientists from industry, academia, and the Food and Drug Administration.

Dr. Bernthal was selected to lead the Orthopaedic Research Society’s 2017 symposium on “The Infected Implant” and represent the American Orthopaedic Association as an American-British-Canadian Traveling Fellow in 2017. He serves on the Executive Board of the Musculoskeletal Tumor Society and on the Board of Trustees for the Orthopaedic Research and Education Foundation.

6:45 am	Welcome	Kevin A. Raskin, MD <i>Chief, Oncology Service</i> <i>Department of Orthopaedic Surgery</i> <i>Massachusetts General Hospital</i> <i>Associate Professor of Orthopedic Surgery</i> <i>Harvard Medical School</i>
6:50 am	“Beyond Sticks and Cement: Leveraging Basic Science to Improve Orthopaedic Outcomes”	Nicholas M. Bernthal, MD
7:45 am	Wrap-up / Adjourn	Kevin A. Raskin, MD