62ND ANNUAL
LeRoy C. Abbott Society Scientific Program

38TH ANNUAL
Verne T. Inman Lectureship

CHAIRS
THOMAS PARKER VAIL, MD
Professor and Chairman
Department of Orthopaedic Surgery
University of California, San Francisco

MICHAEL C. MACAVOY, MD
President
LeRoy C. Abbott Society

PROGRAM CHAIRS
RAFFI AVEDIAN, MD
Board of Directors
LeRoy C. Abbott Society

W. SCOTT GREEN, MD
Board of Directors
LeRoy C. Abbott Society

VISITING PROFESSORS
62nd Annual LeRoy C. Abbott Visiting Professor
PAUL TORNETTA, III, MD
Professor, Vice Chairman, and
Residency Program Director,
Department of Orthopaedic Surgery,
Boston University School of Medicine;
Director of Orthopaedic Trauma,
Boston Medical Center, Boston, MA

38th Annual Verne T. Inman Lecturer
R. LOR RANDALL, MD, FACS
Director, Sarcoma Services,
Primary Children's Hospital &
Huntsman Cancer Institute;
Professor of Orthopedics;
The LB & Olive S. Endowed Chair
for Cancer Research,
University of Utah, Salt Lake City, UT

Presented by the
Department of Orthopaedic Surgery
University of California, San Francisco
and the LeRoy C. Abbott Society

Mission Bay
Conference Center
Located in the William J. Rutter Center
on UCSF’s Mission Bay Campus
1675 Owens Street
San Francisco, California
The program brings together members of the Abbott Society and faculty and residents of the UCSF Department of Orthopaedics in a collaborative presentation of recent advances and updates in orthopaedic surgery. Our schedule of presentations will address current clinical and research topics that affect clinician decision-making in day-to-day practice.

**COURSE HIGHLIGHTS**

- Exciting educational program featuring concise 8-minute “hot topic” presentations
- Interactive panel discussions on trauma, bone and soft tissue tumors featuring our visiting professors
- **Thursday May 11th** – Happy Hour Social following the day’s presentations for networking
- **Friday May 12th** – Bones Ball Dinner and Reception at a signature San Francisco landmark – Olympic Club Lakeside

The purpose of this course is to increase competence and improve clinical practice in the care of Orthopaedic patients. We specifically anticipate improvements in skills and strategies to:

- Manage distal femur fractures;
- Apply surgical techniques for complex proximal tibia fractures;
- Evaluate and manage Anterior Cruciate Ligament injuries;
- Incorporate new technologies regarding total knee arthroplasty in your practice;
- Be familiar with upcoming changes in bundled payments and reimbursement reform.

**EDUCATIONAL OBJECTIVES**

**ACCREDITATION**

The University of California, San Francisco School of Medicine (UCSF) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. UCSF designates this live activity for a maximum of 12.25 AMA PRA Category 1 Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

This activity has been planned and implemented in accordance with the essential areas and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the University of California, San Francisco School of Medicine (UCSF) and LeRoy C. Abbott Society.

**Nurses:** For the purpose of recertification, the American Nurses Credentialing Center accepts AMA PRA Category 1 Credit™ issued by organizations accredited by the ACCME.

**Physician Assistants:** AAPA accepts category 1 credit from ACCME, Prescribed credit from AAFP, and AMA PRA Category 1 Credit(s)™ from organizations accredited by the ACCME.

The American Medical Association has determined that physicians not licensed in the US who participate in this CME activity are eligible for AMA PRA Category 1 Credit™.
THURSDAY, MAY 11, 2017
38th Annual Verne T. Inman Lectureship Program

7:00 am  Registration and Continental Breakfast
8:00 Welcome to Residents, Alumni, and Drs. Tornetta and Randall  Thomas P. Vail, MD
8:05 Resident Case Presentation Symposium  Residents
9:45 Break

PAPER SESSION 1  MODERATOR: RAFFI AVEDIAN, MD
10:00 Preimplantation Immersion Anesthesia (PIA) for Total Knee Arthroplasty  Alfred C. Kuo, MD
10:08 Outcome of Total Femoral Replacement for Revision Arthroplasty in the Setting of Severe Femoral Bone Loss  Zachary P. Thielen, MD
10:16 Open Reduction Internal Fixation (ORIF) vs. Closed Reduction Internal Fixation (CRIF) in Treatment of Young Adults with Femoral Neck Fractures: A Multicenter Retrospective Cohort Study  Saam Morshed, MD, PhD, MPH
10:24 Discussion
10:30 Early Postoperative Outcomes After Total Knee Arthroplasty in Patients with Prior Spinal Arthrosis  Jeffrey J. Barry, MD
10:38 Cooled Radiofrequency Ablation of the Genicular Nerves for Chronic Pain Due to Knee Osteoarthritis: 6-month Outcomes and Predictors of a Successful Treatment Response  Zachary L. McCormick, MD
10:46 Higher Patient Expectations Predict Higher Patient Reported Outcomes, but Not Satisfaction, in Total Knee Arthroplasty Patients: a Prospective Multi-Center Study  Deeptee Jain, MD
10:54 Discussion
11:15 62nd ANNUAL LEROY C. ABBOTT LECTURE I Question Everything  Introduction: Thomas Vail, MD  Paul Tornetta, III, MD
12:00 pm Luncheon
1:00 38th ANNUAL VERNE T. INMAN LECTURE I Sarcomatology - A Trans-Disciplinary Approach  R. Lor Randall, MD, FACS

PAPER SESSION 2  MODERATOR: W. SCOTT GREEN, MD
2:00 The Effect of Patient Gender on Outcomes After Reverse Total Shoulder Arthroplasty  Stephanie E. Wong, MD
2:08 Functional Outcomes Are Equivalent Following Resection Arthroplasty and Antibiotic Cement Spacer Retention Versus Reimplantation for Shoulder Infection  John G. Costouros, MD
2:16 Multimodal Analgesia for Shoulder Arthroplasty  Dell McLaughlin, MD
2:24 The Effects of Prior Cervical Fusion on Patient Outcomes After Shoulder Arthroplasty  Jennifer Tangtiphlaboontana, MD
2:32 Discussion
2:37 Break
2:52 Special Lecture: Payment Reform and Bundled Care  Gina Intinarelli, RN, MS, PhD and Thomas Vail, MD
3:12 Discussion

PAPER SESSION 3  MODERATOR: MARVIN LO, MD
3:20 Time from ACL Tear to Reconstruction In Privately and Publicly Insured Pediatric Patients: Does Public Insurance Lead to Increased Delays and Secondary Injury?  Krishn Khanna, MD
3:28 Clinical Measurements vs. Patient Reported Outcomes: Analysis of the ASES Physician Assessment in Patients Undergoing Reverse Total Shoulder Arthroplasty  Brian C. Lau, MD
3:36 Presenting Characteristics and Intra-articular Pathology of Patients with Posterior Shoulder Instability: An Analysis of the MOON Shoulder Stabilization Cohort  Jessica Bryant, MD
3:44 Surgical Repair of Proximal Hamstring Avulsion Injuries: Functional Outcomes and Ultrasound Correlation with Confirmation of Healing  Marc N. Ialenti, MD
3:52 Discussion
3:55 Alumni: Welcome to the Abbott Society. You Are Our Past, Present, and Future  Michael C. MacAvoy, MD  Thomas P. Vail, MD
4:03 Break

PAPER SESSION 4  MODERATOR: CHAD MACLACHLAN, MD
4:15 Intraoperative Methylene Blue Staining Allows for Visualization of Microbial Biofilm-Associated Tissue in Periprosthetic Joint Infection  Jeremy Shaw, MD
4:23 Validation of a Low-Cost, High-Fidelity Bench Model for Studying Surgical Skill Acquisition in Orthopaedic Surgery Residents  Christopher Langhammer, MD
4:31 The Perry Initiative’s Medical Student Outreach Program Recruits Women into Orthopaedic Residency  Lisa L. Lattanza, MD
4:38 Outcomes of Intra-articular Corticosteroid Injections for Adolescents with Hip Pain  Jennifer Tangtiphlaboontana, MD
4:46 Discussion
4:50 Symposium: Prevention and Treatment of Nonunions  Moderator: Christopher Grimsrud, MD  Panelists: Paul Tornetta, III, MD, Saam Morshed, MD, and Utku Kademir, MD
5:30 – Reception and View Exhibits – Robertson Foyer
7:30 am  Registration and Continental Breakfast
8:00  Welcome to Residents, Alumni, and Drs. Tornetta and Randall  
Michael C. MacAvoy, MD

PAPER SESSION 1 • MODERATOR: CHRISTOPHER GRIMSRUD, MD
8:05  Interim Analysis of a Randomized Clinical Trial Comparing Intramedullary Nailing to Uniplanar External Fixation for Open Tibial Shaft Fractures in Tanzania  
Kurt Yusi, MD
8:13  Practice Patterns for Management of Pediatric Femur Fractures in Low- and Middle-income Countries (LMICs)  
Patrick F. Curran, MD
8:21  Cost Analysis of Intramedullary Nailing and Skeletal Traction for Treatment of Femoral Shaft Fractures in Malawi  
Mohamed Mustafa, MBBS, MSc
8:29  Discussion
8:34  Placement of Iliosacral Screws Using 3D Image-guided (O-Arm Technology and Stealth Navigation: Comparison to Traditional Fluoroscopy  
Alexander A. Theologis, MD
8:42  Risk for Initial and Subsequent Fragility Fractures Differ Based on Patient Sex  
Debbie Y. Dang, MD, PhD
8:50  3-Dimensional Analysis of Radius and Ulna Deformity in Chronic Missed Monteggia Fracture Dislocations in Children  
Lisa L. Lattanza, MD
8:58  Discussion
9:03  Clinical Update: Total Knee Arthroplasty: Not Like It Used to Be  
Christopher Cox, MD

PAPER SESSION 2 • MODERATOR: CHRISTOPHER GRIMSRUD, MD
9:23  Low-Molecular-Weight Heparins Do Not Reduce the Risk of Clinically Important Venous Thromboembolic Events After Fracture Surgery Below the Knee: A Systematic Review and Meta-analysis  
Joseph T. Patterson, MD
9:31  Wash, Rinse, Repeat: Which Patients Require Serial Joint Irrigation in Pediatric Septic Hip Arthritis  
Kristin S. Livingston, MD
Andrew Haskell, MD and Todd Kim, MD
9:47  Hardware Complications and Patient Reported Outcomes After Plate Fixation of Midshaft Clavicle Fractures  
Micah Naimark, MD
9:55  Discussion
10:00  Break
10:25  Update on IGOT: UCSF Orthopaedic Surgeons Abroad  
Zachary Thielen, MD
10:35  38th ANNUAL VERNE T. INMAN LECTURE II  Introduction: Thomas Vail, MD  
R. Lor Randall, MD, FACS
A Promise to Our Patients – Optimizing Value Via Patient Reported Outcomes
11:20  Luncheon
12:30 pm  State of the Department Address  
Thomas Vail, MD
12:50  62nd ANNUAL LEROY C. ABBOTT LECTURE II  Introduction: Michael C. MacAvoy, MD  
Paul Tornetta, III, MD
Nailing Versus Plating Distal Femur Fractures

PAPER SESSION 3 • YOUEJONG KIM, MD
1:40  Percutaneous Bone-anchored Prostheses for Transfemoral Amputees: An Update on the UCSF Osseointegration Program  
Richard O'Donnell, MD
1:48  Overlapping Surgery in the Ambulatory Orthopaedic Setting  
Alan L. Zhang, MD
1:56  Clinical Update: Latest Trends in ACL Reconstruction  
C. Benjamin Ma, MD
2:26  Symposium: Complex Proximal Tibia Fractures  
Moderator: Amir Matityahu, MD
Panelists: Paul Tornetta, III, MD, Eric Meinberg, MD, and Paul Toogood, MD
3:00 pm  Adjourn, Evaluations
6:00 pm  Bones Ball (Optional Event with Additional Fee)
The Olympic Club Lakeside
REGISTER TODAY!
For more information or to register online, visit our website at cmecme.ucsf.edu.
You may also reach us by calling the Office of Continuing Medical Education at (415) 476-4251 or email info@ocme.ucsf.edu. http://orthosurg.ucsf.edu/

Printed on Recycled Paper

General Information
Pre-registration is preferred to ensure that registrants receive a syllabus at the course.
Payment can be made by Visa, MasterCard, American Express or check.

Register via:
Online: cmecme.ucsf.edu
Mail: Registration form and send with payment to:
UCSF Office of CME
P.O. Box 45368
San Francisco, CA  94145-0368
Fax: Registration form with credit card number to (415) 502-1795
Phone: (415) 476-5808 UCSF CME Registration Office for registration or inquiries.

Refund Policy
Cancellations received in writing before May 3rd will be refunded, less a $75 administrative fee.
No refunds will be made on cancellations received after that date.

On-Site Registration
Time: 7:00 am – 8:00 am
Date: May 11-12, 2017
Place: Mission Bay Conference Center
Located in the William J. Rutter Center
1675 Owens Street
San Francisco, California

Conference Location
Mission Bay Conference
(William J. Rutter Center)
1675 Owens St. • San Francisco, CA
San Francisco’s expanding Mission Bay area is a dynamic destination for day meetings.
This spectacular new center on UCSF’s teaching and research campus offers a world-class conference setting with advanced technology.
Experience an inspired learning center in the city’s most exciting new area.

Bones Ball, 6:00 pm, May 12th
This year’s Bones Ball, a resident graduation event, will be held at The Olympic Club Lakeside, located at 599 Skyline Blvd. The Olympic Club is the oldest athletic club in the country and the spectacular Lakeside clubhouse was designed in 1925 by famed architect Arthur Brown. Please register 72 hours in advance for this unforgettable event.

Rental Car
Hertz is offering special rates for participants of this conference; call 800-654-2240 and refer to identification number #03BW0136, or call your travel agent. You may also make reservations at www.Hertz.com.

Air Transportation
UCSF OCME has negotiated special fares with United Airlines for our course attendees. To book on your own use tour codes:
United - www.united.com - Offer Code: ZX47922379
<table>
<thead>
<tr>
<th>Last Name</th>
<th>First</th>
<th>M.I.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Degree</td>
<td>Specialty</td>
<td></td>
</tr>
<tr>
<td>Address</td>
<td></td>
<td></td>
</tr>
<tr>
<td>City</td>
<td>State</td>
<td>Zip</td>
</tr>
<tr>
<td>Daytime Phone</td>
<td>Fax</td>
<td></td>
</tr>
</tbody>
</table>

Would you like to be on our priority email list?  
☐ Yes  □ No

Date of birth to be used as OCME registrant number: ______/_____/XX

Please indicate if you have any special needs:____________________________________

REGISTRATION (pre-registration required by May 9, 2017)

Includes CME Certificate, Breakfast, Lunch and Breaks

<table>
<thead>
<tr>
<th>May 11, 2017  •  THURSDAY ONLY:</th>
<th>Bones Ball • 6:00 pm  • Friday, May 12th</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ $250  Physician Abbott Society Members</td>
<td>☐ $150  Bones Ball: per person and per guest</td>
</tr>
<tr>
<td>☐ $350  Physician Non-Abbott Society Members</td>
<td>Pre-registration is required for everyone 72 hours in advance.</td>
</tr>
<tr>
<td>☐ $600  Industry</td>
<td>Please indicate</td>
</tr>
<tr>
<td>☐ $180  Allied Health Professionals</td>
<td>Chicken  □  Fish  □  Vegetarian</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>May 12, 2017  •  FRIDAY ONLY:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ $250  Physician Abbott Society Members</td>
<td></td>
</tr>
<tr>
<td>☐ $350  Physician Non-Abbott Society Members</td>
<td></td>
</tr>
<tr>
<td>☐ $600  Industry</td>
<td></td>
</tr>
<tr>
<td>☐ $180  Allied Health Professionals</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Both Days  May 11-12, 2017  •  THURSDAY AND FRIDAY:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ $320  Physician Abbott Society Members</td>
<td></td>
</tr>
<tr>
<td>☐ $420  Physician Non-Abbott Society Members</td>
<td></td>
</tr>
<tr>
<td>☐ $800  Industry</td>
<td></td>
</tr>
<tr>
<td>☐ $240  Allied Health Professionals</td>
<td></td>
</tr>
</tbody>
</table>

Sponsor a Resident  
☐ $150 each  I want to sponsor  #______ resident(s). All Sponsors will receive acknowledgment in the final program. Sponsorship is tax deductible.  
Make checks payable to UC Regents.

Please charge my credit card:  ☐ Visa  ☐ MasterCard  ☐ American Express for $__________________

<table>
<thead>
<tr>
<th>Card #</th>
<th>Expiration date</th>
</tr>
</thead>
</table>

Name on Card (Please Print)  
Authorized Signature

Refund Policy:  Cancellations received in writing before May 3rd will be refunded, less a $75 administrative fee. No refunds will be made on cancellations received after that date.

MEETING
MISSION BAY CONFERENCE CENTER  
Located in the William J. Rutter Center  
1675 Owens St.  
San Francisco, California 94143

BONES BALL  
THE OLYMPIC CLUB LAKESIDE  
599 Skyline Blvd  
San Francisco CA 94132  
http://www.olyclub.com