

# 2018 OAOS Annual Orthopaedic Conference Objectives

## #1 PANEL: Fracture Complications

### **Supracondylar Femur Fractures: Nail or Plate | Paul Tornetta, MD**

Discuss supracondylar femur fractures using nail vs. plate.

- Literature review and technique explanation of both procedures
- Risk analysis of these two techniques
- Learn the potential outcomes and complications of both procedures

### **Tibial Fractures: Complications | Darin Friess, MD**

Tibia Fractures can be complicated due to poor vascularity, thin soft tissue envelope, and complex fracture patterns. How to manage acute issues after a tibia fracture.

- Learn a basic framework for managing acute infection after tibia fracture
- Learn a basic framework for managing compartment syndrome
- How to manage early complex regional pain syndrome

### **Complications of Foot and Ankle Fractures | T. Scott Woll, MD**

Present and describe factors associated with complications along with techniques to avoid and salvage complex foot and ankle injuries.

- Recognize factors associated with complications
- Understand and employ techniques to avoid complications in complex injuries
- Be aware of salvage techniques for complex fractures

### **OR Fluoroscopy Radiation Exposure | Timothy Keenen, MD**

Fluoroscopy radiation exposure varies up to 10 fold depending on where you stand in relation to the image intensifier transmitter. Radiation reduction can be achieved by knowing ways to manually modify the exposure and by where to stand.

- Identify who has the highest radiation exposure around the image intensifier
- Know the maximum radiation exposure allowed per year
- Learn ways to return fluoroscopy exposure in the operating room

### **Surgical Consent: The Patient Should Decide | Paul Tornetta, MD**

Discussion on a variety of options for patient and surgeon consideration.

- Discuss key elements of informed consent
- Review the benefits of shared decision making and the consent process
- Author's preference: an informed patient can best decide

## #2 PANEL: Upper Extremity Fractures & Dislocations

### **Shoulder Dislocations & Instability | Greg Gramstad, MD**

This presentation will be an evidence-based review of the evaluation and treatment of shoulder instability and dislocations, with an emphasis on traumatic anterior injuries.

- Improve our understanding of how to diagnose and evaluate the unstable shoulder
- Improve our ability to determine the proper treatment and technique of repair of the unstable shoulder

### **Proximal Humerus Fractures: Trepidation Exemplified | Brian Galinat, MD**

A review of current concepts and techniques used to maximize the chance of best clinical outcomes for patients with proximal humerus fractures.

- Learn the common technical flaws that increase the risk of failure of ORIF
- Gain clarity on the judicious use of reverse total shoulder arthroplasty for fracture
- Understand salvage options for clinical dysfunction after initial management

### **Should We Plate Clavicle Fractures? | Paul Tornetta, MD**

Discussion on whether or not clavicle fractures should be plated.

- Understand what happens when natural healing occurs
- Learn about technical considerations and possible outcomes and revisions
- Learn which method the Author prefers and why

### **Elbow Fractures and Dislocations | Rob Orfaly, MD**

This session will review the common patterns of elbow trauma with focus on pathoanatomy and treatment options.

- Review common mechanisms of elbow injury
- Identify the most effective means of assessing patterns of elbow fractures and instability
- Identify key features of management of simple and complex elbow injuries

### **The Case for External Fixation of Distal Radius Fractures | Paul Tornetta, MD**

Discussion on making case of external fixation of distal radius fractures.

- Review of data outcomes
- Complications of volar plate fixation
- Discussion of the author's preferred technique

## **#3 PANEL: AAOS Town Hall**

### **AAOS Update | David Halsey, MD**

This presentation will provide AAOS members with an update on AAOS priorities and advocacy.

## **#4 PANEL: Lower Extremity Fracture Management**

### **Common Foot Injuries | T. Scott Woll, MD**

Present common foot injuries and their management.

- Recognize common foot injuries
- Describe current management
- Recognize sequela of common foot injuries

### **Syndesmotic Injuries: Indications and Reduction Techniques | Paul Tornetta, MD**

Discuss indications and reduction techniques of syndesmotic injuries.

- Learn the difference between open and closed techniques
- Evaluate outcomes vs displacement
- Indications for staged treatment

### **Approaches to Nailing Tibial Fractures | Zach Working, MD**

Discussion of the pros and cons of tibial nailing via infrapatellar, suprapatellar, and semi-extended methods.

- To familiarize attendees with the infrapatellar, suprapatellar, and semi-extended methods of tibial nailing
- To review the existing literature on the differences in nailing methods
- To discuss tips and tricks for employing these methods successfully

### **Surgical Approaches to Pilon Fractures | Paul Tornetta, MD**

Discussion of surgical approaches to pilon fractures.

- Classification of Pilon fractures

- Learn how to evaluate skin blood supply
- Author's preferred treatment, pitfalls

## **#5 PANEL: The Opioid Crisis in America: Orthopaedic Responsibility & Response**

### **300 Seconds to Save a Life: The Opioid Epidemic at Your Doorstep | Rich Barry, MD**

The pervasive public health problems arising from freely available opioids are analysed using public databases. An economic systems approach to the problem of opioid use disorder is presented. Risk reduction strategies available to orthopaedic surgeons and policymakers are discussed.

- Understand the local nature and extent of opioid abuse
- Identify high risk opioid prescribing patterns and available steps for providers to mitigate community risk
- Understand the importance of readily available Narcan

### **The AAOS Initiative | David Halsey, MD**

Inform members of the AAOS response to The Opioid Crisis

### **State Wide Drug Take Back Program | Rep. Sheri Malstrom**

This presentation will introduce issues associated with the overabundance of opioids in circulation in the United States, as well as suggest a policy solution: a state-wide drug take back program based off Washington state's newly approved program via HB 1047.

- Describe problem: there are too many unused and unwanted opioids in circulation
- Describe negative impacts of overabundance of opioids
- Propose solution: a state-wide drug take back program modelled after Washington state's HB 1047.

### **Perioperative Pain Management | Paul Duwelius, MD**

The purpose of this course is to identify orthopedic care, pathways that decrease the need for opioids, and improve discharge disposition and decrease length of stay. Outpatient total joint pathways are identified.

- How to decrease opioid consumption
- Define updated total joint/ex. Pathways
- Team concept of outpatient total joint surgery

## **#6 PANEL: Hip & Knee Joint Injuries**

### **Catastrophic Knee Injuries | Matt Shapiro, MD**

This talk will focus on evaluation and management of traumatic knee dislocations. We will focus on controversies involved in decision making, timing, and treatment alternatives, as well as realistic and reasonable expectations.

- Understand the vascular and neurologic consequences of traumatic knee dislocations
- Learn how to initially evaluate traumatic knee dislocations and associated injuries
- Consider a variety of treatment alternatives in the setting of traumatic knee dislocations

### **ACL Revision Surgery | Dennis Crawford, MD**

A review of risks for ACL Reconstruction failure and consideration of technical and patient specific demographics predictive of outcomes is intended. Case examples to review principal points will be provided for discussion.

- Define ACL Reconstruction "Failure"
- Identify principal causes of ACL Reconstruction "Failure"
- Provide approach to minimizing ACL Reconstruction "Failure" and improving approach to revision ACL surgery

### **Femoral Neck Fractures: Age 45-65 | Darin Friess, MD**

We have good algorithms for treating young and old patients with femoral neck fractures, but what should we do with those in the middle?

- Review the basic considerations for fracture treatment algorithms in young and old patients
- Understand cost and outcomes data to support when an arthroplasty may be a better solution
- Learn new methods for fixing a femoral neck fracture

### **Periprosthetic Fractures | Kathryn Schabel, MD**

Outline of classification and cases demonstrating pathology and surgical techniques for periprosthetic fractures.

- Understand common patterns of periprosthetic fractures
- Describe surgical principals and techniques for fixation
- Explore material and implant factors related to fracture and reconstruction.

### **#7 PANEL: Patello-Femoral Challenges**

#### **Anterior Knee Pain: Is Surgery Ever the Answer? | Jacqueline M. Brady, MD**

This talk will address the common problem of patellar maltracking and overload, with an eye toward those patients needing advanced imaging and surgical consideration.

- Understand the basic anatomy and biomechanics of the patellofemoral joint and reasons for overload
- Understand indications for advanced imaging in patients with anterior knee pain
- Be familiar with current options for surgical treatment of chondral injuries in the patellofemoral joint

#### **Traumatic Extensor Mechanism Injuries | Wade Gordon, MD**

Review of the current techniques to common knee extensor mechanism injuries, and a discussion of strategies to manage difficult extensor mechanism injuries.

- To understand the current evidence for the management of extensor mechanism injuries
- Exploring options for managing complex patella fractures
- Discuss approaches to challenging injuries to the patella and extensor mechanism

#### **Updates in the Treatment of Patellar Instability | Miho Tanaka, MD**

This presentation will review the treatment of patellar instability, including evaluation, indications, techniques and complications.

- Understand the factors contributing to recurrent instability.
- Understand the indications and treatment algorithm for procedures to treat recurrent instability.
- Understand the complications associated with PF instability surgery.

#### **When TKR Patellas Don't Track Right | David Halsey, MD**

- Review step-wise surgical approach to the problem of intra-operative patellofemoral tracking problems in total knee arthroplasty

### **#8 PANEL: How We Learn: Reading, Writing & 'Rithmetic**

#### **The Future of CME | Paul Tornetta, MD**

Discussion of the future of CME.

- Increase knowledge in the growing digital access to CME
- How to contribute to our literature
- Review of AAOS initiatives

#### **Slick, One Click and Free: How Residents Study | Travis Philipp, MD**

- Describe differences in how students/residents study for high-stakes tests and trends in performance
- Introduce online study tools and resources used by residents to study for cases, the OITE and part 1 of the board exam

### **Getting the Most From What You Read in Journals | Seth Leopold, MD**

Lifelong learning is a foundational principle of our profession. Peer-reviewed biomedical journals are an essential resource that support the principle of lifelong learning, but making effective use of the contents of those journals is not something everyone is comfortable doing. Critical reading is a skill like any other: It can be taught and learned. This lecture will provide some tools to help surgeons make more-effective use of what they read in journals.

- To identify the common kinds of bias in the studies we read, and understand their likely influences on the results claimed by those studies
- To understand the difference between internal and external validity of a research study, and why each is important
- To learn the key “questions” to ask of an article’s Methods section for each of the common study designs we see in orthopaedic journals

### **Critical Analysis of Articles | Paul Tornetta, MD**

- Common errors of abstracts, conclusions
- Recognizing statistical use and abuse
- When is meta analysis of real value?

### **#9 PANEL: Catching Knowledge in a Sea of Information**

#### **Where Our Knowledge Comes From: Quality and Integrity in Scientific Reporting | Seth Leopold, MD**

In order to determine whether to trust what one reads—or how much to trust it—it is important to know a bit of “inside baseball” in terms of the ethical problems that journals face. This overview will provide a peek behind the curtain from the vantage point of an editor-in-chief of a large, general-interest journal who also serves as a council member on the Committee on Publication Ethics (COPE).

- To understand what common factors related to the quality of scientific reporting influence the decisions journals make as they determine whether to publish or not
- To learn what ethical issues come up commonly in manuscripts from the United States and around the world
- To get a sense for the tools journals use when thorny ethical issues arise (COPE’s flowcharts and others)

#### **Fresh from the Current Certification Experience | Kenneth Gundle, MD**

Discussion of recent changes to ABOS Part II from a recent applicant.

- Update on new changes, including email requirement/surveys
- Understand current case list process
- Understand current timeline and mandates

#### **Recertifying: A Lot is Changing | David Halsey, MD**

- Provide update on recent ABOS MOC process changes
- AAOS advocacy regarding ABOS MOC

### **#10 PANEL: Lessons of War – Military Trauma Surgery**

#### **Experiences of Operations Enduring Freedom, Freedom’s Sentinel and Resolute Support | T. Scott Woll, MD**

Present the experiences and lessons learned by a US Army Reserve Orthopaedic surgeon.

- Be aware of the five echelons of military trauma care
- Present the role of the orthopaedic surgeon in far forward deployment
- Learn the contributions of military trauma care to civilian trauma care
- How to become involved

## **Surgical Management of the Combat Amputee | Wade Gordon, MD**

Description of the specific challenges to the definitive management of combat related amputation care, discussing specific challenges in the management of these injuries.

- Understand the basic tenets of lower extremity amputations
- Understand the challenges specific to the management combat related amputations
- Understand how the challenges inherent to this patient population are transferrable to the civilian setting

## **Introduction to Clinical Care of the Combat Wounded | Edward Arrington, MD**

Course description

objectives

## **#11 PANEL: Covering ED Call: Anything Can Happen**

### **Hand Infections | Omar Nazir, MD**

Discuss the anatomy and management of acute infections affecting the hand and fingers.

- Understand the potential spaces within the hand where infections can spread
- Describe appropriate incisions for surgical management of infections
- Identify mimickers of acute infection

### **Supracondylar Humerus Fractures in Children | Scott Yang, MD**

A review of the current concepts and controversies regarding supracondylar humerus fractures in children.

- Understand the basics of treating supracondylar humerus fractures
- Understand current controversies and what to do in difficult situations with this fracture (ie: neurovascular injury)

### **Pathologic Fractures on Call | Kenneth Gundle, MD**

Update on evaluation and management of common pathologic fractures on call, including what to check and how to stay out of trouble.

- Gain familiarity with an efficient evaluation of pathologic fracture with an unknown primary
- Understand when a biopsy is necessary before proceeding with stabilization, and when it isn't
- How to think through arthroplasty vs nailing for proximal femur pathologic fractures

### **Management of Open Tibia Fractures | Paul Tornetta, MD**

Discussion of the management of open tibia fractures in the emergency room.

- Learn the precise timing of antibiotics and implants
- Describe external fixation indications and techniques
- Learn how to avoid complications