AAOS/ASES
Management of Massive Rotator Cuff Tears: Repair to Replacement

FINAL PROGRAM SCHEDULE

September 15 – 16, 2017
OLC Education & Conference Center, Rosemont, IL

George S. Athwal, MD, and Derek J. Cuff, MD
Course Directors
AAOS/ASES Management of Massive Rotator Cuff Tears:
Repair and Replacement
September 15-16, 2017; Rosemont, IL

The American Academy of Orthopaedic Surgeons (AAOS), and the American Shoulder and Elbow Surgeons (ASES) extend sincere appreciation to the below companies for their support of this educational program.

**Grants**
DePuy Synthes (Silver Level)
Smith & Nephew, Inc. (Silver Level)
Zimmer Biomet (Silver Level)

**In-Kind Support**
Arthrex
Buxton Medical
ConMed
DePuy Synthes
Exactech
DJO Global
Innomed
M.F.T.
Smith & Nephew
Stryker
Wright Medical
Zimmer Biomet

**Industry and Spotlight Sessions**
DJO Global
Wright Medical
FRIDAY, SEPTEMBER 15, 2017

7:00 am Registration

7:30 Welcome and Course Introduction (Auditorium BC)
George S. Athwal, MD and Derek J. Cuff, MD

ROTATOR CUFF
Moderator: Jonathan C. Levy, MD

LECTURES
7:40 How I Do an Arthroscopic Massive RCR: Tips and Tricks
Larry D. Field, MD

7:50 How I Do a Suprascapular Nerve Release at the Scapular Notch
Paul J. Cagle, Jr MD

7:55 How I Do a Suprascapular Nerve Release at the Spinoglenoid Notch
Ryan T. Bicknell, MD

8:00 Don't Forget About the Subscapularis!
George S. Athwal, MD

8:10 How Do I Decide What to Do with the Long Head of Biceps
Jeffrey S. Abrams, MD

PATCHES, GRAFTS AND THE BALLOON
Moderator: Matthew D. Saltzman, MD

LECTURES
8:20 How I Do Patch Augmentation for Massive Irreparable Posterosuperior Tears
Robert Z. Tashjian, MD

8:30 How I Do a Superior Capsular Reconstruction: My Tips and Tricks
Paul M. Sethi, MD
8:40     How I Do a Subacromial Balloon
         Joseph A. Abboud, MD

8:50     FACULTY DEMONSTRATION
         How I Repair the Subscapularis Arthroscopically
         Moderator: Derek J. Cuff, MD
         Demonstrator: Jeffery S. Abrams, MD

9:15     Refreshment Break (Auditorium BC Foyer)
         Exhibits
         Transition to Lab

| 9:30-12:10 | HANDS-ON SURGICAL SKILLS LAB (LAB AB) |
|           | Suprascapular Nerve Release          |
|           | Arthroscopic Biceps Tenodesis        |
|           | Subscapularis Repair                 |
|           | Rotator Cuff Repair                  |
|           | Superior Capsular Reconstruction     |
|           | Patch Augmentation                   |
|           | Lab Leader: Jeffery S. Abrams, MD    |

10:55    FACULTY DEMONSTRATION (30 min)
         A Step by Step Approach to the Superior Capsular Reconstruction
         Moderator: Matthew D. Saltzman, MD
         Demonstrators: Paul J. Cagle, Jr MD and Paul M. Sethi, MD

WORKING LUNCH

12:10 pm   Pickup Lunch (Auditorium BC Foyer)
           Exhibits
           Transition to Auditorium

12:20     Working Lunch (Auditorium BC)

PANEL DISCUSSION: Physical Exam Maneuvers for the Rotator Cuff
         Demonstration of Special Tests on Faculty and Participants
         Audience Discussion and Participation Encouraged
         Moderator: Anand M. Murthi, MD
         Panel: Drs. Cheung, Chuinard, Steinman, and Warner

LECTURES
         Moderator: Joaquin Sanchez-Sotelo, MD, PhD

1:00      Why I Do a Lower Trapezius Transfer
         Jay D. Keener, MD
1:10  How I Do a Latissimus Dorsi Tendon Transfer  
Jon J. P. Warner, MD

1:20  Managing the Irreparable Subscapularis: Pectoralis vs Latissimus  
Scott P. Steinmann, MD

1:30  Discussion  
Moderator: Joaquin Sanchez-Sotelo, MD, PhD  
Panel: Drs. Steinmann and Warner

1:40  FACULTY DEMONSTRATION  
Anatomy, Harvest, and Transfer of the Lower Trapezius  
Moderator: Robert Z. Tashjian, MD  
Demonstrator: Jay D. Keener, MD

2:05  Transition to Lab

2:10  HANDS-ON SURGICAL SKILLS LAB (LAB AB)  
Exposures for Tendon Transfers, Latissimus Dorsi, Lower Trapezius, Pectoralis Major,  
Arthroscopic Assisted Transfer  
Lab Leader: Christopher R. Chuinard, MD, MPH  
Lab Instructors: Drs. Abboud, Abrams, Athwal, Bicknell, Cagle, Cheung, Choi,  
Chuinard, Cuff, Faber, Field, Franke, Garbis, Karnezis, Keener, Levy, Murthi,  
O'Brien, Salazar, Saltzman, Sanchez-Sotelo, Sethi, Steinmann, Tashjian, Throckmorton,  
and Warner

3:00  FACULTY DEMONSTRATION (15 min)  
Pertinent Surgical Anatomy for Tendon Harvest: Latissimus and Pectoralis  
Moderator: Jeffrey S. Abrams, MD  
Demonstrator: Scott P. Steinman, MD

4:10  Refreshment Break (Auditorium BC Foyer)  
Exhibits  
Transition to Lab

4:25  CASE PRESENTATIONS  
Rotator Cuff, Biceps, Patch, SCR, Tendon Transfers, Controversies  
Moderators: Joseph A. Abboud, MD and Michael J. O'Brien, MD  
Panel: Drs. Chuinard, Faber, Field, Saltzman, and Throckmorton

5:10  AAOS Portion of the Course Adjourns for the Day

5:15-6:15  Industry Breakout Session #1* (Non-CME) (Auditorium BC)  
“The Evolution of Reverse Arthroplasty and its Expanding Applications”  
Drs. Cuff, Frankle, Abboud, and Levy

6:15 pm  Adjourn for the Day

* These Industry Spotlight Sessions are Non-CME; Views and Products Are Not Endorsed by AAOS
SATURDAY, SEPTEMBER 16, 2017

You are encouraged to have breakfast prior to arriving at the course; coffee and light pick up items such as granola/protein bars and whole fruit will be available each morning.

7:30 am  Industry Breakout Session # 2* (Non-CME) (Auditorium BC)
Assessing and Treating Anatomic B2 Glenoids
Jon J.P. Warner, MD

8:30  Transition to AAOS Program

8:35 am  Announcements (Auditorium BC)
Derek J. Cuff, MD and George S. Athwal, MD

ARTHROPLASTY OPTIONS
Moderator: Thomas (Quin) W. Throckmorton, MD

LECTURES
8:40  How I Do a Hemiarthroplasty for Cuff Tear Arthropathy
Anand M. Murthi, MD

8:50  How I Do Reverse Arthroplasty for Patients with a Massive Irreparable Cuff Tear
Joaquin Sanchez-Sotelo, MD, PhD

9:00  Why I Do a Lateralized Center of Rotation Reverse Shoulder Arthroplasty
Mark A. Frankle, MD

9:10  How to Do a Tendon Transfer with a RTSA
Jonathan C. Levy, MD

9:20  Discussion
Moderator: Thomas (Quin) W. Throckmorton, MD
Panel: Drs. Levy, Murthi and Sanchez-Sotelo

9:30  FACULTY DEMONSTRATION
How I Do a Lateralized Center of Rotation Reverse Shoulder Arthroplasty
Moderator: Derek J. Cuff, MD
Demonstrator: Mark A. Frankle, MD

10:00  Refreshment Break (Auditorium BC Foyer)
Exhibits
Transition to Lab

* These Industry Spotlight Sessions are Non-CME; Views and Products Are Not Endorsed by AAOS
<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>10:15</td>
<td><strong>HANDS-ON SURGICAL SKILLS LAB (LAB AB)</strong></td>
</tr>
<tr>
<td></td>
<td>Hemi and Reverse Shoulder Arthroplasty</td>
</tr>
<tr>
<td></td>
<td>Latissimus Dorsi Tendon Transfer</td>
</tr>
<tr>
<td></td>
<td>Lab Leader: Michael J. O'Brien, MD</td>
</tr>
</tbody>
</table>
|        | Lab Instructors: Drs. Abboud, Abrams, Athwal, Bicknell, Cagle, Cheung, Choi,  
|        | Chuinard, Cuff, Faber, Field, Frankle, Garbis, Karnezis, Keener, Levy, Murthi,  
|        | O’Brien, Salazar, Saltzman, Sanchez-Sotelo, Sethi, Steinmann, Tashjian, Throckmorton,  
|        | and Warner                                                                |
| 10:15  | **FACULTY DEMONSTRATION (20 min)**                                       |
|        | How I Do an Augmented Reverse Baseplate                                   |
|        | Moderator: Matthew D. Saltzman, MD                                        |
|        | Demonstrator: Kenneth J. Faber, MD, FRCSC                                 |

**WORKING LUNCH**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:30 pm</td>
<td>Pickup Lunch <em>(Auditorium BC Foyer)</em></td>
</tr>
<tr>
<td></td>
<td>Transition to Auditorium</td>
</tr>
<tr>
<td>12:45 pm</td>
<td>Working Lunch <em>(Auditorium BC)</em></td>
</tr>
<tr>
<td></td>
<td>Arthroplasty Cases (Bone Loss, Instability, Infection, Etc.)</td>
</tr>
<tr>
<td></td>
<td>Moderator: Emilie V. Cheung, MD and Jonathan C. Levy, MD</td>
</tr>
<tr>
<td></td>
<td>Panel: Drs. Frankle, Steinman, Tashjian, Throckmorton, and Warner</td>
</tr>
<tr>
<td>1:45-2:15</td>
<td><strong>FACULTY DEMONSTRATION</strong></td>
</tr>
<tr>
<td></td>
<td>How to do a BIO-RSA for Superior Bone Loss</td>
</tr>
<tr>
<td></td>
<td>Moderator: Michael J. O’Brien, MD</td>
</tr>
<tr>
<td></td>
<td>Demonstrator: Jon J.P. Warner, MD</td>
</tr>
<tr>
<td>2:15</td>
<td>Adjourn</td>
</tr>
</tbody>
</table>
DIRECTORS

**George S. Athwal, MD**  
Western University  
London, ON, Canada

Dr. Athwal is a Professor of Surgery and a consultant shoulder & elbow surgeon at Western University in London, Ontario, Canada. He completed his MD at the University of British Columbia. Following completion of his orthopaedic surgery residency at Queen’s University in Kingston, Ontario, Canada, he spent two years sub-specializing in upper extremity reconstruction and trauma. Dr. Athwal completed fellowships at the Hospital for Special Surgery and the Mayo Clinic. He is actively involved in biomechanical and clinical research pertaining to the shoulder and elbow. Dr. Athwal’s elective practice involves primary and revision shoulder and elbow joint replacement, rotator cuff repair, instability surgery and arthroscopic elbow surgery. His trauma practice focuses on injuries involving the shoulder and elbow.

**Derek J. Cuff, MD**  
Suncoast Orthopaedic Surgery and Sports Medicine  
Venice, FL

Dr. Cuff graduated Cum Laude from the University of Maryland School of Medicine. He completed his orthopaedic residency in Baltimore, MD at the University of Maryland Medical System, with a portion of his training taking place at the Johns Hopkins Hospital. He went on to complete subspecialty fellowship training in shoulder and elbow surgery at The Florida Orthopaedic Institute in Tampa, FL. In 2012, Dr. Cuff was invited to join the American Shoulder & Elbow Surgeons (ASES) society and he is currently an Active Member. Dr. Cuff has a strong interest in clinical and basic science research of the shoulder and elbow. He has published multiple articles in peer reviewed international journals on these topics. Dr. Cuff has received several research awards for his work including the prestigious Charles Neer Award, presented to him in 2011 by the American Shoulder and Elbow Surgeons for outstanding clinical research.

FACULTY

**Joseph A. Abboud, MD**  
Prof. of Shoulder and Elbow Surgery  
Director of Research - Shoulder and Elbow Division  
Rothman Institute  
The Sidney Kimmel Medical College at Thomas Jefferson University  
Philadelphia, PA

**Ryan T. Bicknell, MD**  
Queen's University  
Kingston, ON, Canada

**Jeffrey S. Abrams, MD**  
Clinical Professor  
Seton Hall University

**Paul J. Cagle, Jr MD**  
Mt. Sinai Medical Center  
New York, NY

**Paul J. Cagle, Jr MD**  
Mt. Sinai Medical Center  
New York, NY
Skills: AAOS/ASES Management of Massive Rotator Cuff Tears: Repair to Replacement
September 15-16, 2017   Rosemont, IL

Emilie V. Cheung, MD
Stanford University Medical Center
Redwood City, CA

Tony J. Choi, MD
Midwest Orthopaedic Institute
Sycamore, IL

Christopher R. Chuinard, MD, MPH
Great Lakes Orthopaedic Center
Traverse City, MI

Kenneth J. Faber, MD, FRCSC, MEd
Roth|McFarlane Hand and Upper Limb Centre
Western University
London, ON, Canada

Larry D. Field, MD
Mississippi Sports Medicine and Orthopaedic Center
Jackson, MS

Mark A. Frankle, MD
Director, Shoulder Service
Florida Orthopedic Institute
Clinical Professor
University of South Florida
Tampa, Florida

Nickolas G Garbis, MD
Loyola University Medical Center
Maywood, IL

Tom A. Karnezis, MD
Illinois Orthopaedic Hand Center
Elk Grove Village, IL

Jay D. Keener, MD
Associate Professor
Fellowship Director
Chief of Shoulder and Elbow Service
Washington University
St. Louis, MO

Jonathan C. Levy, MD
Holy Cross Orthopedic Institute
Ft. Lauderdale, FL
Skills: AAOS/ASES Management of Massive Rotator Cuff Tears: Repair to Replacement
September 15-16, 2017  Rosemont, IL

Anand M. Murthi, MD
Chief, Shoulder and Elbow Surgery
Director, Shoulder and Elbow Fellowship
MedStar Union Memorial Hospital
MedStar Orthopaedics
Baltimore, Maryland

Dane H. Salazar, MD
Loyola University Chicago
Maywood, IL

Michael J. O'Brien, MD
Tulane University
New Orleans, LA

Matthew D. Saltzman, MD
Associate Professor
Northwestern University
Feinberg School of Medicine
Chicago, IL

Joaquin Sanchez-Sotelo, MD, PhD
Mayo Clinic
Rochester, MN

Paul M. Sethi, MD
The ONS Sports and Shoulder Service
President, The ONS Foundation for Clinical Research and Education
Orthopaedic and Neurosurgery Specialists
Greenwich, CT

Scott P. Steinmann, MD
Mayo Clinic
Rochester, MN

Robert Z. Tashjian, MD
University of Utah School of Medicine
Salt Lake City, UT

Thomas (Quin) W. Throckmorton, MD
Professor, Shoulder and Elbow Surgery
Residency Program Director
University of Tennessee-Campbell Clinic
Germantown, TN

Jon J.P. Warner, MD
Massachusetts General Hospital
Boston, MA

American Academy of Orthopaedic Surgeons