

**Mayo Clinic Course on Shoulder Tendon Transfers
& Complex Rotator Cuff Repair
Program Schedule**

Thursday, April 27, 2017	
6:30 a.m.	Registration and Continental Breakfast
6:50 a.m.	Welcome and Announcements
Session I: Cuff Tears - Evaluation Moderator: Joaquin Sanchez-Sotelo, M.D., Ph.D.	
7:00 a.m.	Essential Anatomy & Biomechanics of the Rotator Cuff George Athwal, M.D., F.R.C.S.C.
7:15 a.m.	How to Determine If a Rotator Cuff Tear Is Irreparable Laurence D. Higgins, M.D., M.B.A.
7:30 a.m.	Physical Examination Pearls Joaquin Sanchez-Sotelo, M.D., Ph.D.
7:45 a.m.	The Most Reliable Imaging Study: What Every Shoulder Surgeon Should Know Adam C. Johnson, M.D.
8:00 a.m.	Discussion
8:15 a.m.	Live Demonstration Physical Examination of the Rotator Cuff Jon J. P. Warner, M.D.
Session II : Surgical Reconstruction Options of the Rotator Cuff Other Than Tendon Transfer Moderator: Bassem T. Elhassan, M.D.	
8:45 a.m.	Attempted Cuff Repair for Massive “Irreparable” Cuff Tears: Tips and Tricks to Fix the Unfixable Dr. Laurent Lafosse
9:00 a.m.	Superior Capsular Reconstruction Samer Hasan, M.D., Ph.D.
9:15 a.m.	Indications and Outcomes of Subacromial Balloon Joseph A. Abboud, M.D.
9:30 a.m.	Discussion

9:45 a.m.	Relive Surgery I Subacromial Balloon Joseph A. Abboud, M.D. Relive Surgery II Suprascapular Nerve Decompression Dr. Laurent Lafosse Relive Surgery III Superior Capsular Reconstruction Robert U. Hartzler, M.D., M.S.
10:30 a.m.	Refreshment Break

Session III: Complex Posterosuperior Cuff Tears I Moderator: Jon J. P. Warner, M.D.	
11:00 a.m.	Biomechanics of Tendon Transfer Around the Shoulder I Dr. Guillaume Herzberg
11:15 a.m.	Biomechanics of Tendon Transfer Around the Shoulder II Robert U. Hartzler, M.D., M.S.
11:30 a.m.	Infraspinatus Tears at the Muscle-Tendon Junction Joaquin Sanchez-Sotelo, M.D., Ph.D.
11:45 a.m.	Deltoid Flap Transfer: Indications and Outcome Dr. Jean-David Werthel
12:00 p.m.	Teres Major Transfer: Indications and Outcome Dr. Thibault Lafosse
12:15 p.m.	Discussion
12:30 p.m.	Relive Surgery IV Teres Major Transfer Bassem T. Elhassan, M.D. Relive Surgery V Deltoid Flap Transfer Bassem T. Elhassan, M.D.
1:00 p.m.	Lunch
Session IV: Posterosuperior Cuff Tears II Moderator: Prof. Dr. Herbert Resch	
2:00 p.m.	Latissimus Dorsi Transfer for Posterosuperior Cuff Tears: Outcome of Open Transfer Jon J. P. Warner, M.D.
2:15 p.m.	Arthroscopic Latissimus Dorsi Transfer: Comparison of Two Fixation Techniques Dr. Jean Kany
2:30 p.m.	Latissimus Transfer for Cuff Augmentation Dr. Philippe Valenti
2:45 p.m.	Open Lower Trapezius for Posterosuperior Cuff Tears Mark E. Morrey, M.D.
3:00 p.m.	Arthroscopic Lower Trapezius Transfer Augmented with Achilles Tendon Bassem T. Elhassan, M.D.

3:15 p.m.	Arthroscopic Lower Trapezius Transfer Augmented with Tibialis Posterior Autograft Dr. Philippe Valenti
3:30 p.m.	Discussion
4:00 p.m.	Refreshment Break
4:30 p.m.	Relive Surgery VI Open Latissimus Transfer Jon J. P. Warner, M.D. Relive Surgery VII Arthroscopic Latissimus Transfer Dr. Jean Kany Relive Surgery VIII Arthroscopically Assisted Lower Trapezius Transfer George Athwal, M.D., F.R.C.S.C. Relive Surgery IX Arthroscopically Assisted Lower Trapezius Transfer Dr. Philippe Valenti Relive Surgery X All Arthroscopic Latissimus Dorsi Transfer Dr. Laurent Lafosse
6:00 p.m.	Adjourn

Friday, April 28, 2017	
6:30 a.m.	Breakfast
Session V: Subscapularis I Moderator: Joseph A. Abboud, M.D.	
7:00 a.m.	Physical Examination Findings to Detect Subscapularis Tearing Laurence D. Higgins, M.D., M.B.A.
7:15 a.m.	Arthroscopic Subscapularis Repair George Athwal, M.D., F.R.C.S.C.
7:30 a.m.	Role of Augmentation Using Achilles Tendon Allograft or a Patch Samer Hasan, M.D., Ph.D.

7:45 a.m.	Pectoralis Major Transfer Prof. Dr. Herbert Resch
8:00 a.m.	Pectoralis Minor Transfer Dr. Philippe Valenti
8:15 a.m.	Discussion
Session VI: Subscapularis II Moderator: Mark E. Morrey, M.D.	
8:30 a.m.	Anatomy and Biomechanics of Latissimus Dorsi/Teres Major Transfer for Irreparable Subscapularis Tears Dr. Jean-David Werthel
8:40 a.m.	My Preferred Reconstruction for Irreparable Subscapularis Tears Dr. Pascal Boileau
8:50 a.m.	Open Versus Arthroscopic Latissimus Dorsi Transfer for Irreparable Subscapularis Tears Bassem T. Elhassan, M.D.
9:00 a.m.	Arthroscopic Latissimus Dorsi Transfer for Irreparable Subscapularis Tears Dr. Jean Kany
9:10 a.m.	Additional Novel Tendon Transfers to Reconstruct Subscapularis Insufficiency Dr. Thibault Lafosse
9:20 a.m.	Discussion
9:30 a.m.	Relive Surgery XI Attempted Repair of Complex Subscapularis Tears Dr. Laurent Lafosse Relive Surgery XII Pectoralis Major Transfer Prof. Dr. Herbert Resch Relive Surgery XIII Arthroscopic Latissimus Dorsi Transfer for Subscapularis Insufficiency Dr. Jean Kany Relive Surgery XIV Arthroscopic Pectoralis Minor Transfer Dr. Philippe Valenti
10:00 a.m.	Refreshment Break

Session VII – Reverse Arthroplasty for the Irreparable Cuff Tear Moderator: Joaquin Sanchez-Sotelo, M.D., Ph.D.	
10:30 a.m.	How to Optimize Reverse Arthroplasty for the Irreparable Cuff Tear John W. Sperling, M.D.
10:45 a.m.	Tendon Transfers for Isolated Loss of External Rotation Dr. Pascal Boileau
11:00 a.m.	Should We Combine Latissimus Dorsi and Teres Major Transfer in Reverse? Dr. Guillaume Herzberg
11:10 a.m.	Latissimus Transfer in Reverse: Can We Spare the Teres Major? Prof. Dr. Herbert Resch
11:20 a.m.	Secondary Tendon Transfers After Reverse: A Biomechanical Analysis Dr. Jean-David Werthel
11:30 a.m.	Discussion
11:50 a.m.	Relive Surgery XV Reverse Arthroplasty Combined with Latissimus Dorsi and Teres Major Transfer Joaquin Sanchez-Sotelo, M.D., Ph.D. Relive Surgery XVI Reverse Arthroplasty Combined with Isolated Latissimus Dorsi Transfer Dr. Pascal Boileau Relive Surgery XVII Reverse Arthroplasty Combined with Latissimus Dorsi Transfer Prof. Dr. Herbert Resch
12:30 p.m.	Lunch
Session VIII: Scapulothoracic Joint Moderator: George Athwal, M.D., F.R.C.S.C.	
1:30 p.m.	Physical Examination of the Scapulothoracic Joint Joaquin Sanchez-Sotelo, M.D., Ph.D.
1:45 p.m.	Pectoralis Major Transfer for Scapular Winging Jon J. P. Warner, M.D.
2:00 p.m.	Trapezius Paralysis: Eden-Lange Jon J. P. Warner, M.D.
2:15 p.m.	Trapezius Paralysis: Triple Transfer Bassem T. Elhassan, M.D.

2:30 p.m.	Scapulothoracic Arthrodesis Joaquin Sanchez-Sotelo, M.D., Ph.D.
2:45 p.m.	Discussion
3:00 p.m.	Relive Surgery XVIII Pectoralis Major Direct Transfer Bassem T. Elhassan, M.D. Relive Surgery XIX Triple Transfer Bassem T. Elhassan, M.D. Relive Surgery XX Scapulothoracic Fusion George Athwal, M.D., F.R.C.S.C.
4:00 p.m.	Refreshment Break
Session IX: Additional Complex Reconstructions Moderator: Dr. Philippe Valenti	
4:30 p.m.	Tendon Transfers for Combined Irreparable Anterosuperior and Posterosuperior Rotator Cuff Tears Bassem T. Elhassan, M.D.
4:45 p.m.	Muscle Transfer for Deltoid Paralysis Prof. Dr. Herbert Resch
5:00 p.m.	Muscle Transfer for Deltoid Paralysis in Reverse Arthroplasty Bassem T. Elhassan, M.D.
5:15 p.m.	Arthroscopic Brachial Plexus Neurolysis Dr. Thibault Lafosse
5:30 p.m.	Role of Glenohumeral Joint Fusion Joaquin Sanchez-Sotelo, M.D., Ph.D.
5:40 p.m.	Discussion and Final Comments
6:00 p.m.	Course Adjourns