

A CME Teaching Activity

Donald L. Resnick, M.D., Presents...

# 2021 Internal Derangement of Joints: Upper Extremity

Release Date: October 1, 2021 | 17.0 AMA PRA Category 1 Credit(s)<sup>TM</sup>

## About This CME Teaching Activity

This CME activity provides an update of current information on MR imaging in the assessment of musculoskeletal disorders. Essential anatomy, physiology and pathology are emphasized that explain imaging findings in disorders of the shoulder, elbow, wrist, hand and fingers. MR imaging findings in the assessment of common problems in upper extremities are compared to those derived from other imaging methods.

## Target Audience

The target audience is practicing radiologists, orthopedic surgeons, rheumatologists, sports medicine physicians, and other physicians interested in musculoskeletal disorders.

## Scientific Sponsor

Educational Symposia

## Accreditation

**Physicians:** Educational Symposia is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Educational Symposia designates this enduring material for a maximum of 17.0 *AMA PRA Category 1 Credit(s)<sup>TM</sup>*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**SA-CME:** Credits awarded for this enduring activity are designated "SA-CME" by the American Board of Radiology (ABR) and qualify toward fulfilling requirements for Maintenance of Certification (MOC) Part II: Lifelong Learning and Self-assessment.

All activity participants are required to take a written or online test in order to be awarded credit. (Exam materials, if ordered, will be sent with your order.) All course participants will also have the opportunity to critically evaluate the program as it relates to practice relevance and educational objectives.

*AMA PRA Category 1 Credit(s)<sup>TM</sup>*  
for this activity may be claimed until September 30, 2024.

This program is planned and organized by Educational Symposia, a leader in accredited continuing education since 1975.

This activity was planned and produced in accordance with the ACCME Essential Areas and Elements.

## Educational Objectives

At the completion of this CME teaching activity, you should be able to:

- Assess MR images in patients with internal derangements of the upper extremity joints.
- Articulate the anatomic features fundamental to accurate interpretation of the MR imaging findings in these disorders.
- Formulate a reasonable differential diagnostic list and be able to identify the most likely diagnosis.
- Comprehend the pathogenesis and imaging findings associated with common and important disorders that affect the upper extremities.

*No special educational preparation is required for this CME activity.*

## Faculty

### Eric Y. Chang, M.D.

Clinical Professor of Radiology  
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### Karen C. Chen, M.D.

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VA Medical Center  
San Diego, CA

### Christine B. Chung, M.D.

Professor of Radiology  
Musculoskeletal Division  
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### Evelyne A. Fliszar, M.D.

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### Mini N. Pathria, M.D.

Professor of Radiology  
Chief, Musculoskeletal Imaging  
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### Donald L. Resnick, M.D.

Professor Emeritus of Radiology  
University of California, San Diego  
San Diego, CA

### Edward Smitaman, M.D.

Assistant Clinical Professor of Radiology  
UCSD School of Medicine  
San Diego, CA

## Program

### SHOULDER I: TENDONS

#### SESSION 1

Human Tendons, Structures of the Shoulder:  
Rotator Cuff Basic Footprint Anatomy  
and Patterns of Failure with Emphasis on  
Terminology, Tears and Pseudotears,  
Impingement and Calcification  
*Donald L. Resnick, M.D.*

Pectoralis Major/Minor and Teres  
Major/Latissimus Dorsi Tendons  
*Eric Y. Chang, M.D.*

Proximal Biceps Tendon and Rotator Internal  
*Eric Y. Chang, M.D.*

### SHOULDER II: SLAP LESIONS AND GLENOHUMERAL JOINT INSTABILITY

#### SESSION 2

Superior Labrum: Anatomy, Normal Variants,  
SLAP Lesions, and Microinstability  
*Donald L. Resnick, M.D.*

Macroinstability of the Glenohumeral Joint  
Including Patterns of Failure of the Labrum  
and Glenohumeral Ligaments  
*Donald L. Resnick, M.D.*

### SHOULDER III: THROWING SHOULDER/ ACROMIOCLAVICULAR JOINT

#### SESSION 3

Throwing Shoulder  
*Donald L. Resnick, M.D.*

Acromioclavicular Joint  
*Mini N. Pathria, M.D.*

FOCUS SESSION:  
Shoulder: MRI/Arthroscopy Correlation  
*Brady Huang, M.D.*

#### SESSION 4

FOCUS SESSION: Brachial Plexus  
*Brady Huang, M.D.*

### ELBOW: TENDONS/LIGAMENTS

#### SESSION 5

Elbow Tendons: Biceps, Triceps, Brachialis and  
Common Extensor and Flexor Tendons  
*Christine B. Chung, M.D.*

Elbow Ligaments: Anatomy and Patterns of  
Failure, Including Fracture - Dislocations and  
Posterolateral and Posteromedial Rotary  
Instability and The Throwing Elbow  
*Donald L. Resnick, M.D.*

#### SESSION 6

FOCUS SESSION:  
Entrapment Neuropathies of the  
Upper Extremity  
*Evelyne A. Fliszar, M.D.*

FOCUS SESSION:  
Bone Tumors and Tumor-Like Lesions  
*Edward Smitaman, M.D.*

### BONE/JOINT: ARTHRITIS AND TRAUMA

#### SESSION 7

Arthritis: Role of MRI  
*Karen C. Chen, M.D.*

Fractures/Dislocations of the Upper Extremity:  
Role of MRI and CT Scanning  
*Tudor Hughes, M.D.*

### WRIST I: TFCC

#### SESSION 8

Triangular Fibrocartilage Complex (TFCC):  
Anatomy and Patterns of Failure  
*Donald L. Resnick, M.D.*

### WRIST II: LIGAMENTS AND TENDONS

#### SESSION 9

Intrinsic/Extrinsic Ligaments of the Wrist:  
Anatomy and Patterns of Failure  
*Donald L. Resnick, M.D.*

Carpal Instability Patterns Including CID, CIND  
and Greater and Lesser Arc Injuries  
*Donald L. Resnick, M.D.*

Flexor and Extensor Tendons of the Wrist  
*Brady Huang, M.D.*

### HAND AND FINGERS

#### SESSION 10

MRI Finger and Critical Ligaments of the Thumb  
*Christine B. Chung, M.D.*

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