

## Opening Statements IBJI Began fall 2007 9000 Waukegan Rd, Morton Grove 900 Rand Rd, Des Plaines DuPage Medical Group 2001 – Summer 2007 General Orthopaedics with Sports Medicine focus General Orthopaedics Fellowship Trained Sports Medicine and Arthroscopy Primary Interest in Shoulder and Knee





### Introduction

- Dramatic increase in activity level of today's population
- Median age is increased with baby boomers
- People staying active longer
- Increase in females and older population of labor force
- With these increases, expected rise in number of injuries

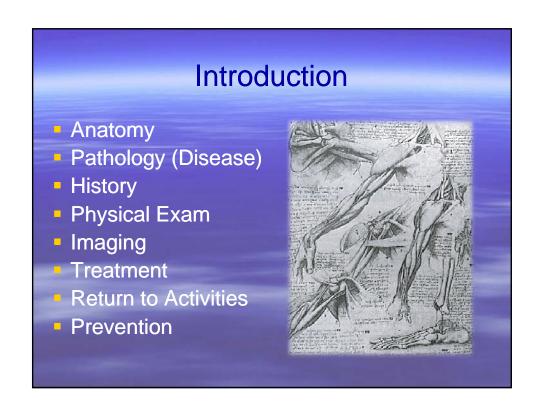
### Introduction

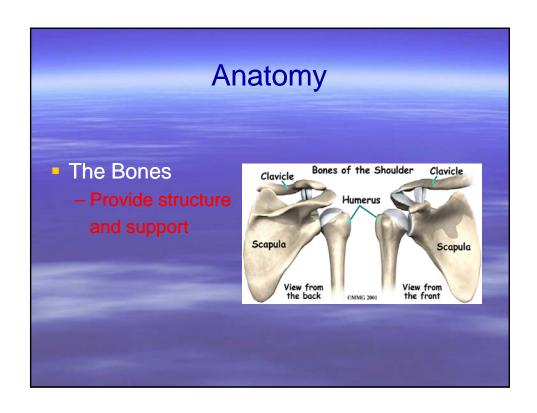
- Shoulder has largest range of motion of all joints in the body
- Most physical work, hobbies and sport activities involve use of upper extremity
- Places shoulder at risk
- Traumatic and overuse injuries

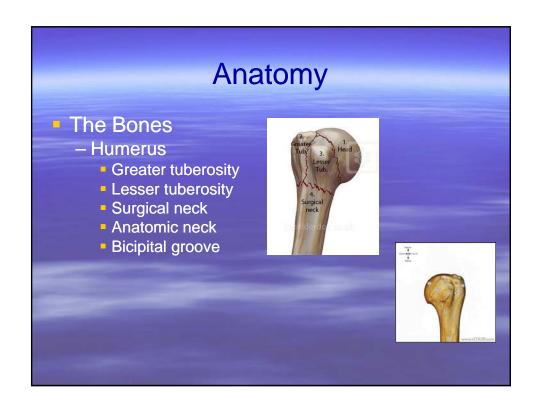


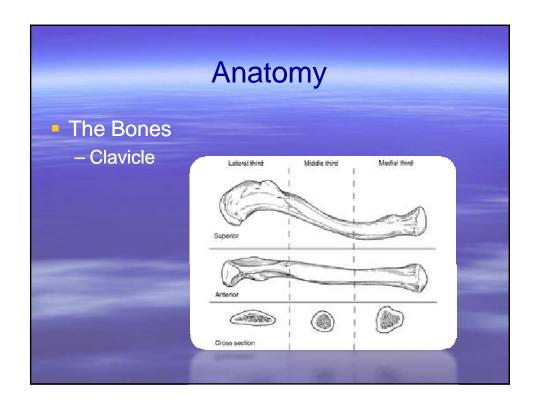


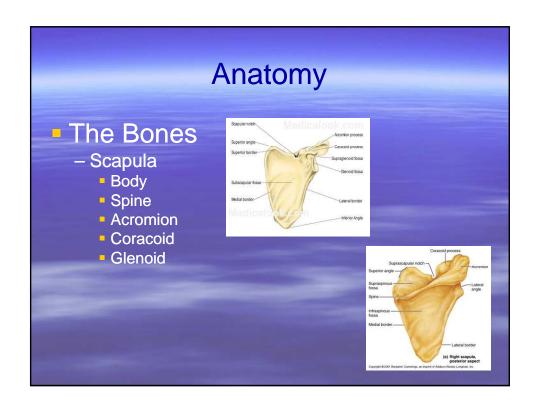
## Introduction Plan for today is to discuss management of shoulder aches and pains As we get older, much shoulder pain is related to tendon and muscle strains Realize there are differences among how different health care professionals manage these issues Be sure to communicate with your health care professional in regards to their preferences

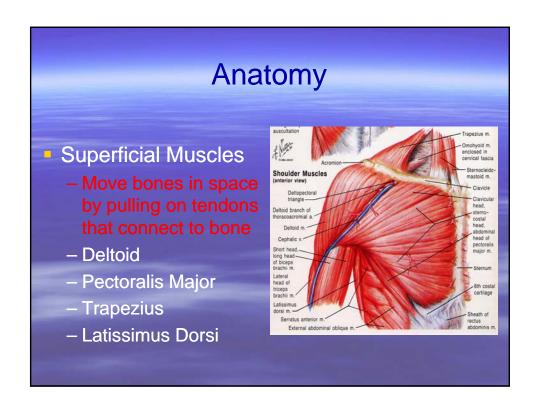


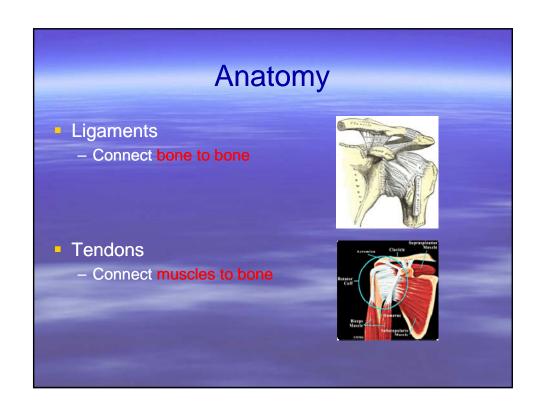


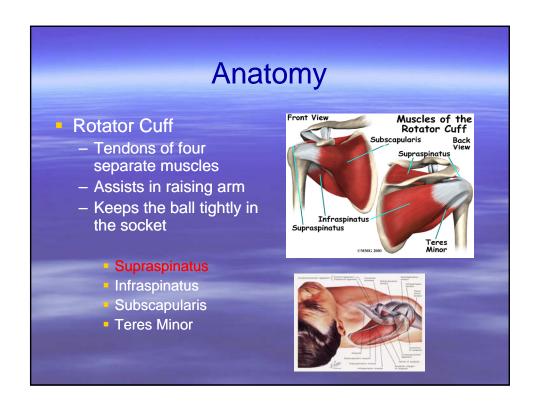




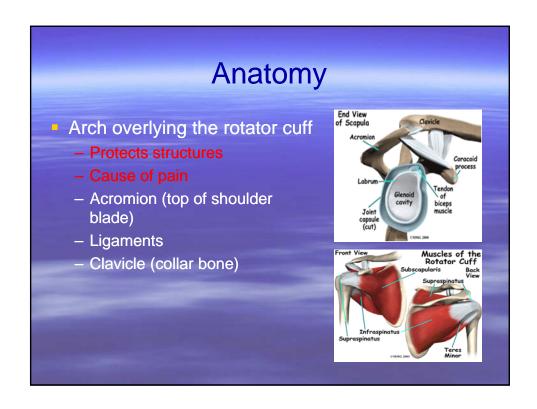


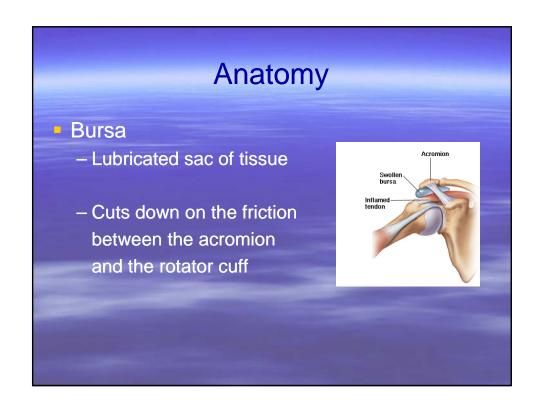










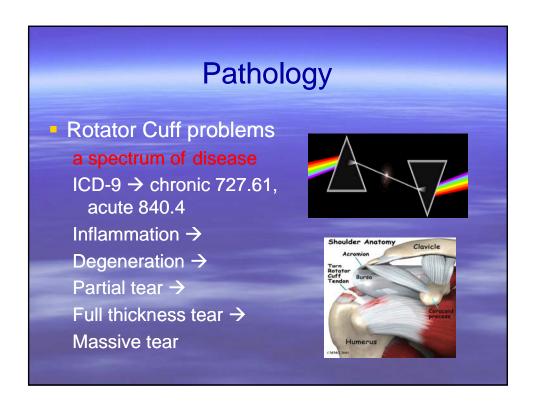




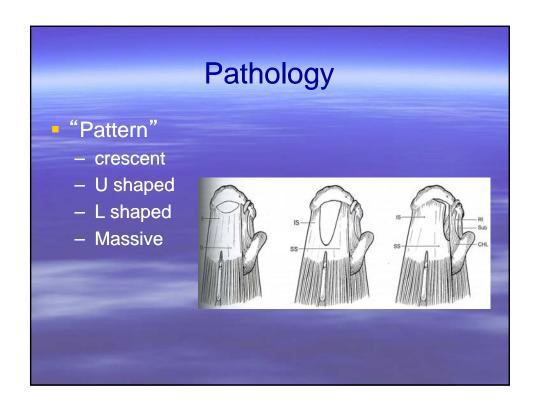


# Pathology Strain Injury to muscle or tendon Sprain ICD-9 → 840.9 No code for "tear"? Inflammation from over use → Over stretching → Partial tearing → Complete tearing













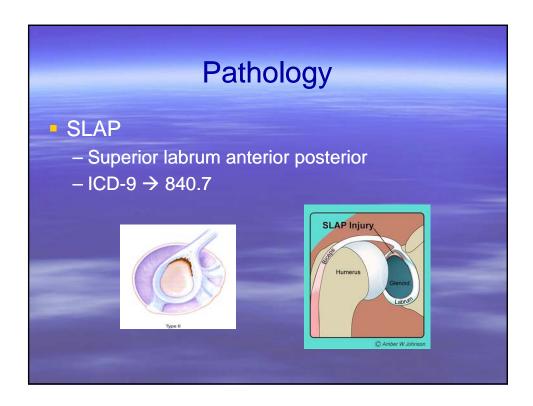


# Pathology Calcium Deposits – calcific tendonitis — ICD-9 → 726.11 — Post injury — Bleeding into tendon — Body makes bone — Very painful

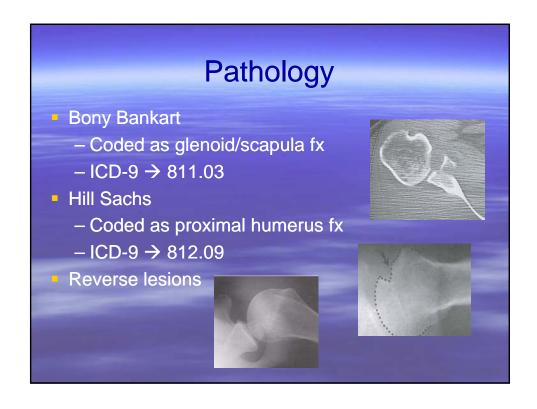


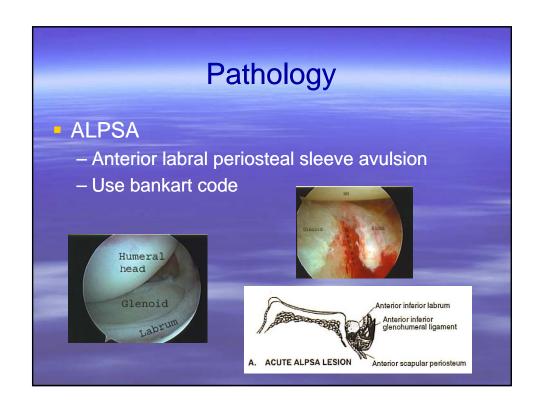


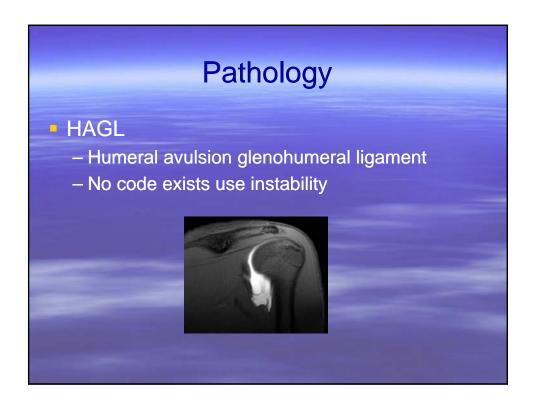














### History

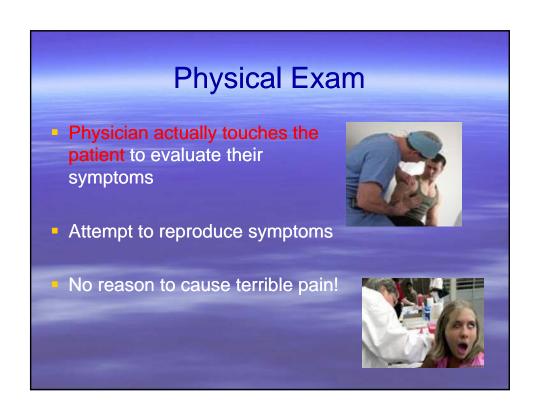
- Where doctor talks to the patient
- Learn about patient
  - Issue at hand
  - Past history
    - Medical
    - Surgical
  - Medication list
  - Allergies
  - How has the problem been addressed so far
  - There may be questions you think are unrelated but may have relevance

### History

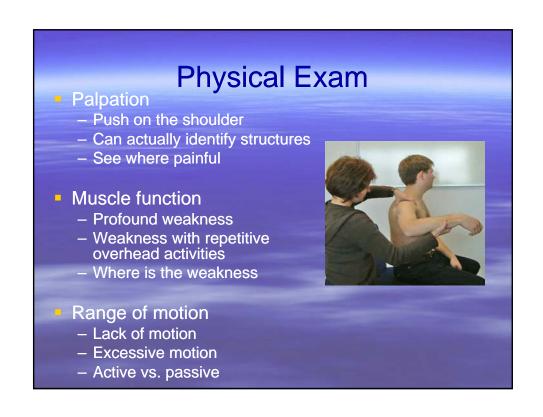
- Symptoms
  - Pain
  - Looseness
  - Stiffness
  - Popping
  - Locking and catching
  - Weakness
  - Numbness
  - Pain at night/sleeping
  - Difficulty with overhead activities
  - Cannot perform job
  - Difficulties with Sports, Hobbies and activities of daily living

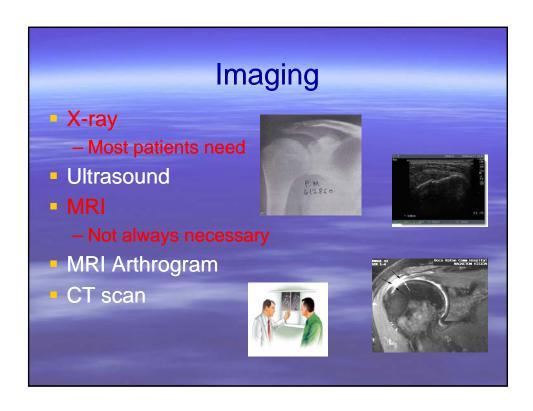


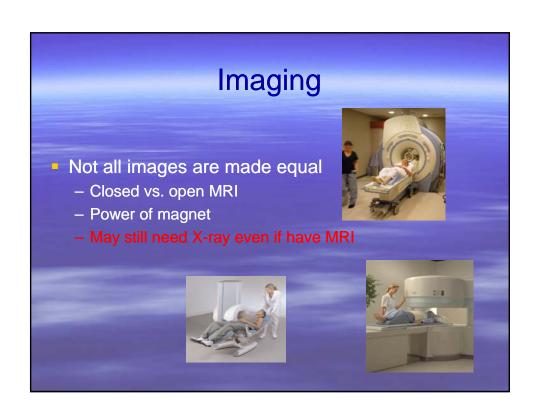




### Physical Exam Inspection Simply looking Bruising Atrophy (wasting) Different heights Comfort level Sensation May be complaints of numbness Vascular Evaluate pulses Almost never problematic



















### Treatment Activity modification Decrease inciting activities Raise level of Chair Use a ladder Decrease weight of item being lifted Be more aware of lifting technique Use two hands or opposite side Typically overhead and behind the back are the worst



### **Surgical Treatment**

- Surgical goals
  - Pain relief
  - Regain full motion
  - Management of all problem areas
  - Reproduce close to normal anatomy
  - Immediate strength of repair
  - Efficient/effective outpatient surgery
  - Return patient to preinjury level of activity
  - Give reproducible results

### **Surgical Treatment**

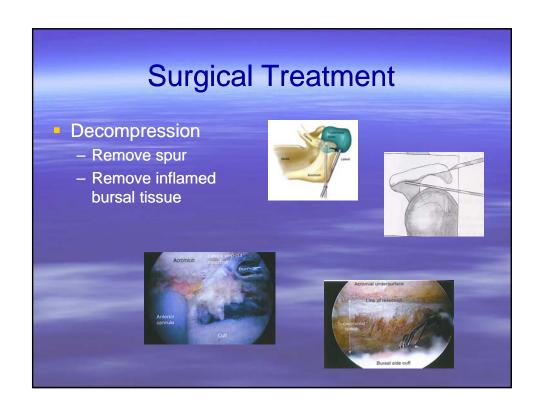
- Variability in Surgical technique and procedures
- Open (larger incision)
- Arthroscopic (through little poke holes)







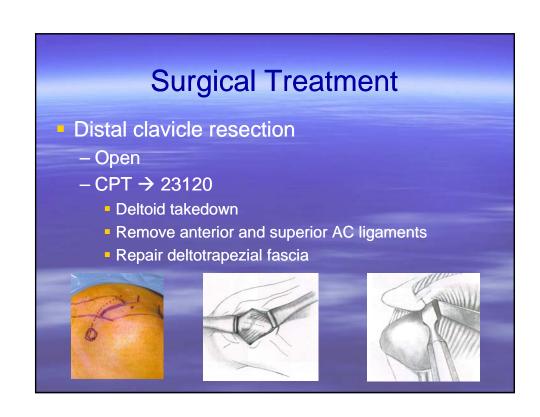


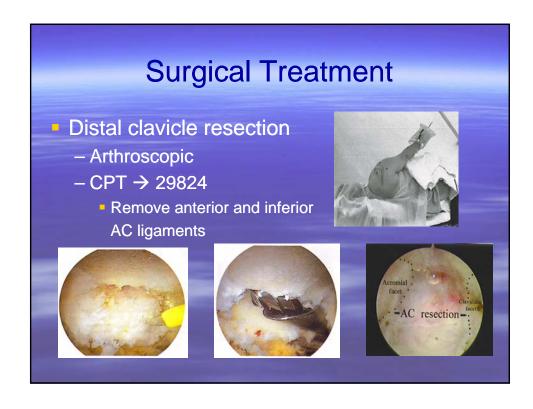






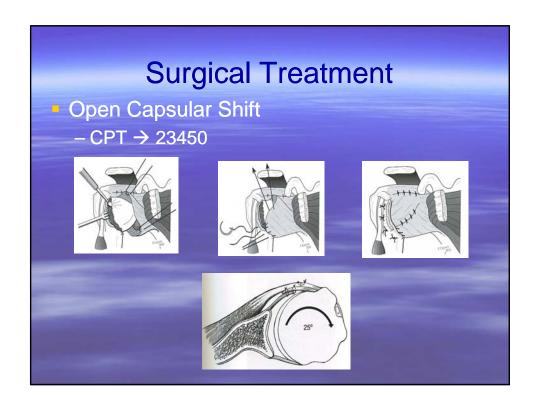
### Surgical Treatment Distal clavicle resection Remove arthritic end of collar bone Widen the space to prevent irregular surfaces from contacting Preserve 2 of the AC ligaments







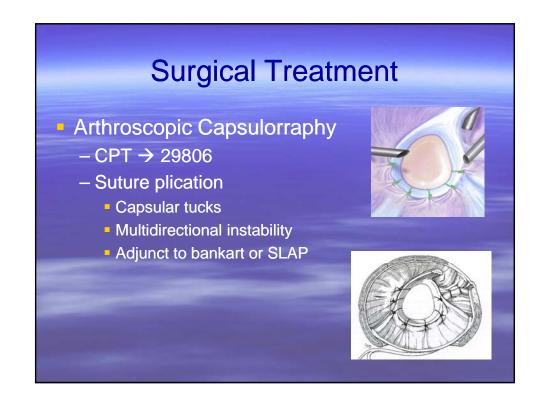




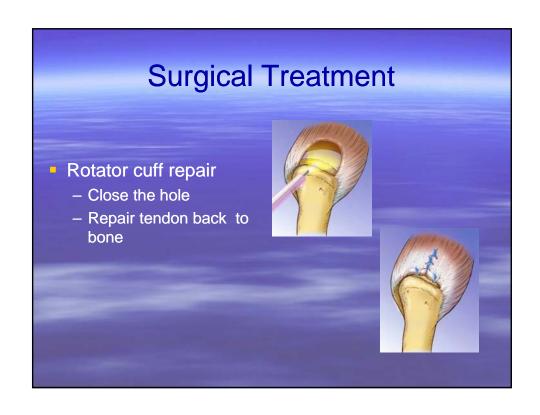


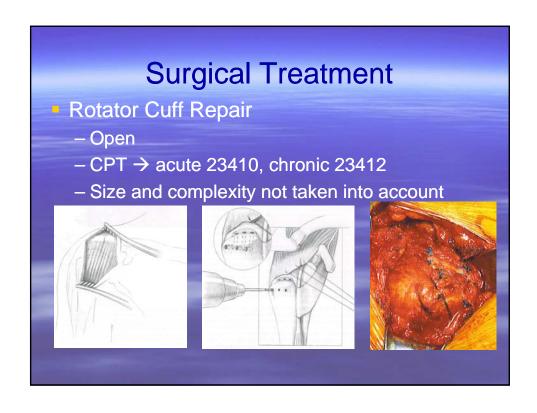












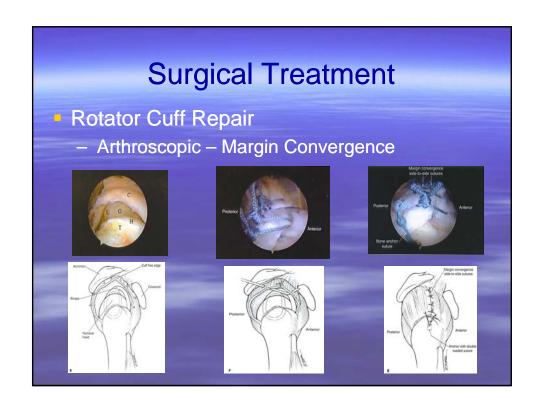


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### **Surgical Treatment**

- Rotator Cuff Repair
  - Mini open
    - Requires some arthroscopic skills
    - Scope first to manage Glenohumeral pathology
    - Perform SAD and DCR via scope
    - For more advanced surgeons can perform rotator cuff releases
    - Deltoid split instead of takedown
    - Still larger scar with lots of tension on deltoid
    - Useful for those trying to transition
    - I believe more difficult than open



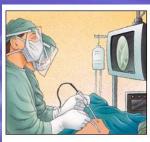






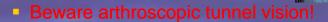
### **Arthroscopy Advantages**

- Trend of surgical management toward more minimally invasive techniques
- Less traumatic to normal tissues
- Less pain
- Smaller scars
- Better visualization/diagnostic accuracy
- Improved ability to reach/evaluate pathology



### **Arthroscopy Advantages**

- Less loss of motion with arthroscopy
- Better return to full function
- Outcome equals open and mini open with improved techniques
- Outpatient surgery
- Cutting edge, "wave of the future"















## Conclusion Remember there is no one "cookie cutter" answer Read . . . Study . . . Communicate! We are PRACTICING medicine Evolve with the times





