

Gerald R. Williams

- **Lectures by Invitation**
- April 21-24, 1999 Pennsylvania Orthopaedic Society- Shoulder and Elbow, Spring Meeting, Marco Island, FL
- Treatment of painful rotator cuff deficient patients with and without arthritis
- Indications and techniques for operative and nonoperative management of proximal humeral fractures
- Treatment of Ipsilateral Clavicle and Glenoid Neck Fractures.
- Biceps Tenodesis for Isolated Biceps Tendon Pathology.
- June 3-5, 1999 Current Concepts of Shoulder and Elbow Surgery-- University of South Florida, Wyndham Harbour Island Hotel, Tampa, Florida Biomechanics of Shoulder Replacement ORIF of Humerus Fractures
- July 9-11, 1999 American Academy of Orthopaedic Surgeons: Open and Arthroscopic Shoulder Surgery: Approaches for the New Millennium - Orthopaedic Learning Center, Rosemont, IL: "Total Shoulder Replacement-Indications and Techniques"
- September 24-25, 1999 American Academy of Orthopaedic Surgeons Summer Institute, Seattle, Washington , Top Ten Surgical Procedures: "Arthroscopic Acromioplasty and Mini-open Rotator Cuff Repair".
- September 24-25, 1999 American Academy of Orthopaedic Surgeons Summer Institute, Seattle, Washington, Techniques of Shoulder Surgery: Open Reduction: Internal Fixation of Proximal Humerus Fractures.

- October 14-17, 1999 American Shoulder and Elbow Surgeons Closed Meeting, Philadelphia, Pennsylvania: “Thermal Capsulorrhaphy for Glenohumeral Instability.”
- October 10-15, 1999 ASES Closed Meeting, Philadelphia, PA, “Thermal Capsulorrhaphy for Glenohumeral Instability.”
- October 1, 1999 Advanced Techniques in Knee, Hip, and Shoulder Reconstruction Hilton Head, South Carolina – “Total Shoulder Replacement: Technical Pearls.”
- October 2, 1999 Advanced Techniques in Knee, Hip, and Shoulder Reconstruction, Hilton Head, South Carolina, “The Global shoulder Fracture Prosthesis: Design Rationale.”
- October 22, 1999 Total Shoulder Replacement and other Alternatives, Pennsylvania Orthopaedic Society, Fall Mtg., Nemaquin Woodlands, PA, “Glenohumeral arthritis”
- November 9, 1999 Grand Rounds. Brown University, Providence, RI – “Diagnosis and Management of Scapular Fractures”.
- November 20, 1999 Surgical Management: Update on Shoulder and Elbow Fractures, Philadelphia, Pennsylvania, “Proximal Humerus Fractures”.
- November 20, 1999 Surgical Management: Update on Shoulder and Elbow Fractures, Philadelphia, Pennsylvania, “Scapular and Glenoid Fracture”

- November 10,2000 Pennsylvania Orthopaedic Society - Fall Scientific Meeting. Arthroplasty. Philadelphia, Pennsylvania. "Total Shoulder Arthroplasty".
- December 10-12,1999 American Academy of Orthopaedic Surgeons, Open and Arthroscopic Shoulder Surgery: Approaches for the new Millenium. Orthopaedic Learning Center, Rosemont, IL—"Open Reduction, Internal Fixation, Percutaneous Pinning of Proximal Humerus Fractures".
- January 26, 2000 International Symposium, Shoulder Arthroplasty, Past and Future, Paris, France: "Hemiarthroplasty versus Total Shoulder Arthroplasty in Rheumatoid Arthritis".
- March 15, 2000 American Academy of Orthopaedic Surgeons, 67th Annual Meeting, Orlando, Florida: "Nonprosthetic Management of Grade IV Glenohumeral Osteoarthritis".
- March 16, 2000 American Academy of Orthopaedic Surgeons 67th Annual Meeting, Instructional Course Lecture, Orlando, Florida, "Arthroscopic Decompression of the Shoulder: Results and Complications of Arthroscopy Acromioplasty".
- March 18, 2000 American Shoulder and Elbow Surgeons, 16th Open Meeting - Specialty Day, Orlando, Florida: "Nonprosthetic Management of Glenohumeral Osteoarthritis".
- March 18, 2000 American Shoulder and Elbow Surgeons, 16th Open Meeting - Specialty Day, Orlando, Florida: "Outcome of Operative Management of Proximal Humerus Nonunions".

- March 18, 2000 American Shoulder and Elbow Surgeons, 16th Open Meeting - Specialty Day, Orlando, Florida: "Arthroscopic Capsular Release for the Management of the Post-Operative Stiff and Painful Shoulder".
- April 28-30,2000 American Academy of Orthopaedic Surgeons Orthopaedic Learning Course - Advanced Techniques in Open and Arthroscopic Shoulder Surgery, Rosemont, IL,
 - "Total Shoulder Arthroplasty - Implications and Techniques
 - Hemiarthroplasty for Proximal Humeral Fractures
 - Shoulder Arthroplasty with Bone Loss and Rotator Cuff Disease
- May 4-7,2000 American Academy of Orthopaedic Surgeons/American Shoulder and Elbow Surgeons 2nd Biennial Shoulder and Elbow Meeting Miami, Florida -
 - The Evaluation and the Non-Operative Treatment of Defects in the Rotator Cuff
 - Sternoclavicular Fractures and Dislocations
 - Treatment of Shoulder Instability using Electrothermally-Assisted Capsular Shift
 - Surgical Management of Glenohumeral Arthritis without Prosthetic Replacement
- June, 2,2000 The Third Annual Cleveland Clinic Orthopaedic Symposium, Greenbriar, WV: "Design Rationale for the Global Fracture Prosthesis & Advantage Head".
- September 6-10, 2000 AAOS Summer Institute 2000, Techniques in Shoulder Surgery, Toronto, Canada
 - Operative Treatment of Proximal Humerus Fractures (Non-Prosthetic)
 - The Top Ten Orthopaedic Procedures -Arthroscopic Acromioplasty & Mini Open

- Rotator Cuff Repair.
- Concurrent Hands-On Skills Lab, Open Rotator Cuff & Instability Repairs-TSA

- October 9-10, 2000 Ground Rounds, Allegheny General Hospital, Pittsburgh, PA – “Proximal Humerus Fractures—Open Reduction, Internal Fixation”.

- October 19-22,2000 American Shoulder and Elbow Surgeons 17th Annual Closed Meeting - Austin, Texas, “Diagnosis and Management of Glenoid Component Loosening after Total Shoulder Arthroplasty: Clinical Results of Thirty-Two Patients”.

- December 4, 2000 Ground Rounds, Cleveland Clinic, Cleveland, Ohio, “Proximal Humerus Fractures: Prosthetic and Non-Prosthetic Management”.

- February 27, 2001 Orthopaedic Research Society, American Academy of Orthopaedic Surgeons 68th Annual Meeting, San Francisco, CA, “Tendon to Bone Healing: The Role of Postoperative Activity level”.

- February 28 - March 4, 2001 AAOS 68th Annual Meeting - San Francisco, CA
- Management of Shoulder Stiffness in Diabetes
 - Instructional Course:
- Symposium: Proximal Humeral Fractures I: Alternatives to Arthroplasty

- March 1, 2001 Orthopaedic Research Society. AAOS 68th Annual Meeting San Francisco, CA: “The Localized Expression of Extracellular Matrix Genes in the Healing Tendon Insertion Sites”.

- Mar, 2, 2001 AAOS 68th Annual Meeting San Francisco, “Loss of External Rotation at 90° Abduction is Predictive of a Medially Healed Bankart Lesion: A Prospective Study of Forty-Six Consecutive Bankart Lesion”.
- March 2, 2001 AAOS 68th Annual Meeting - San Francisco, “Shoulder Information Available on the Internet: Is it Accurate?”
- March 3, 2001 American Shoulder and Elbow Surgeons, 17th Open Meeting, San Francisco, “Diagnosis and Management of Glenoid Component Loosening after Total Shoulder Arthroplasty: Clinical Results of Thirty-Two Patient”s.
- March 3, 2001 American Shoulder and Elbow Surgeons 17th Open Meeting, San Francisco, CA “Latissimus Dorsi Transfer for Irreparable Rotator Cuff Tears: Clinical, Anatomic, and Electromyographic Results”.
- March 3, 2001 American Shoulder and Elbow Surgeons 17th Open Meeting, San Francisco, CA “Iliotibial Graft Reconstruction for Treatment of Glenohumeral Instability Associated with Irreparable Subscapularis Tears and Capsular Deficiency”.
- April 23-26, 2001 8th International Congress on Surgery of the Shoulder, Cape Town, South Africa
- “Diagnosis and Management of Glenoid Component Loosening after Total Shoulder Arthroplasty: Clinical Results of Thirty-Two patients”.
- “Latissimus Dorsi Transfer for Irreparable Rotator Cuff Tears: Clinical, Anatomic and Electromyographic Results”.
- May 4-5, 2001 10TH Annual Meeting Total Joint Program - Nashville, TN
- Total Shoulder Replacement - Five and Ten Years Results

- Total Shoulder Arthroplasty in the Face of Major Bone Loss
- Infection after Total Shoulder Replacement - Diagnosis and Management

- May 11,2001 Temple/Shriners Alumni Meeting. Philadelphia, PA
“Arthroscopic Rotator Cuff Repairs and Proximal Humeral Fractures”.

- May 17-20,2001 American Academy of Orthopaedic Surgeons - The
Shoulder: A Comprehensive Update - Santa Ana, NM:
 - Alternative to Arthroplasty in the Young Patient
 - Snapping Scapula and Scapular Winging

- May 20-23, 2001 Current Concepts in Joint Replacement - Las Vegas, NV
 - Alternative Strategies for Managing the Arthritic Shoulder: Before the Fall
 - Arthroplasty in the Face of Cuff Deficiency
 - Glenoid Exposure and Retractor Placement: Getting it Right

- June 13-16, 2001 American Orthopaedic Association 114th Annual
Meeting - The Breakers, Palm Beach, Florida
 - “Diagnosis and management of Glenoid Component Loosening after Total
Shoulder Arthroplasty: Clinical Results of Thirty-Two Patients”.
 - “Latissimus Dorsi Transfer for Irreparable Rotator Cuff Tears: Clinical,
Anatomic and Electromyographic Results”.

- August 9-11,2001 Twentieth Century Orthopaedic Association 56th
Annual Meeting, Alberta, Canada
 - “Complication of Thermal Capsulorrhaphy of the Shoulder”.
 - “Axillary Nerve Monitoring during Monopolar Radio frequency Thermal
Capsulorrhaphy of the Shoulder”.

- October 10-14, 2001 Eastern Orthopaedic Association 32nd Annual Meeting –The Fairmont Southampton Princess, Southampton, Bermuda
- “Diagnosis & Management of Glenoid Component Loosening after Total Shoulder Arthroplasty: Clinical Results of 32 patients”.
- “Latissimus Dorsi Transfer for Irreparable Rotator Cuff Teras: Clinical, Anatomic and Electromyographic Results”.
- “Complications of Thermal Capsulorrhaphy of the Shoulder”.

- November 10, 2001 Pennsylvania Orthopaedic Society Fall Scientific Meeting – Pittsburgh, PA: “Complication of Thermal Capsulorrhaphy of the Shoulder”.

- January 24, 2002 Grand Rounds, Columbia University- Columbia-Presbyterian Hospital, New York, NY: “Scapular Fractures: Diagnosis and Management”.

- January 30, 2002 Grand Rounds, Harvard Medical School, Robert Brent Brigham Hospital, Boston, MA: “Scapular Fractures: Treatment and Results”.

- January 30, 2002 Core Curriculum Lecture Series, Orthopaedic Residents, Harvard Medical School, Robert Bent Brigham Hospital, Boston, MA: “Total Shoulder Arthroplasty—Biomechanics, Techniques, and Results”.

- February 12, 2002 Orthopaedic Research Society 48th Annual Meeting, Dallas, TX: “Variation of biomechanical, structural, and compositional properties along the tendon to bone insertion site”.

- February 13-17,2002 American Academy of Orthopaedic Surgeons
69th Annual Meeting – Dallas, Texas

Symposia:

- Proximal Humerus Fractures: Pins to Prostheses—Open Reduction, internal fixation of proximal humerus fractures, indications and techniques
- Modern Shoulder Arthroplasty for the Treatment of Arthritis: Are our Patients Better off? The surgeon is the method: outcome of shoulder arthroplasty and the impact of new component design.

Instructional Course:

- Proximal Humeral Fractures I: Alternatives to Arthroplasty—The valgus-impacted proximal humerus fracture: indications and surgical techniques for reduction and internal fixation
- Controversies in the Management of Compressive Neuropathies in the Upper Extremity
- Compression Neuropathies in the Shoulder
- March 2, 2002 Annual Musculoskeletal Medicine for Primary Care & Family Medicine – What’s New in Orthopaedics, Mt. Laurel, New Jersey: “Common Shoulder Problems: Nonoperative Management and Surgical Indications”.
- March 5, 2002 Grand Rounds - Georgetown University, Washington, D.C.: Rotator Cuff Repair: Where are we now?
- March 9, 2002 The Philadelphia Hand Symposia, 2002 Surgeons Program, Philadelphia, PA
- Shoulder Arthritis – How to Avoid the Complications of Total Shoulder Replacement
- Panel/Workshop - Rheumatoid Shoulder: Role of Arthroscopy; Shoulder Replacement

- March 11, 2002 The Philadelphia Hand Meeting, 2002 Therapist Program, Philadelphia, PA: “Management for Shoulder Osteoarthritis: Arthroscopy and Arthroplasty”.
- April 11, 2002 Pennsylvania Orthopaedic Society Spring Meeting, Puerto Rico: “Axillary Nerve Monitoring during Thermal Capsulorrhaphy”.
- April 12, 2002 Pennsylvania Orthopaedic Society Spring Meeting, San Juan, Puerto Rico: “Treatment of Subscapularis Rupture”.
- April 26, 2002 American Osteopathic Academy of Orthopedics Annual Post-Graduate Seminar, Chicago, IL: “Arthroscopic Rotator Cuff Repair - Where are we now?”
- April 27, 2002 Arthroscopy Association of North America – 21st Annual Meeting, Washington, DC: “Axillary Nerve Monitoring during Monopolar Radiofrequency Thermal Capsulorrhaphy of the Shoulder
- May 22, 2002 Grand Rounds – MCP Hahnemann University, Philadelphia, PA: “Arthroscopic Rotator Cuff Repair”.
- September 28, 2002 University of Pennsylvania 5th Annual Symposium on Alternate Bearing Surfaces in Total Joint Replacement, New York, NY: “Alternate Bearing Surfaces in the Shoulder”.
- October 26, 2002 New Jersey Orthopaedic Society 27th Annual Fall Symposium—Arthroscopy and Arthroplasty, New Technology for 2002, East Brunswick, NJ
- Total shoulder arthroplasty for glenohumeral arthritis
- Arthroscopic cuff repair-- where are we now?

- October 31, 2002 American Shoulder and Elbow Surgeons 19th Closed Meeting, Pebble Beach, CA: “Soft-tissue interposition without hemiarthroplasty as an alternative for glenohumeral arthritis in young, active patients”.
- November 15-17, 2002 University of Pennsylvania Shoulder and Elbow Service-- Shoulder and Elbow Update 2002, Philadelphia, PA:
 - Glenohumeral anatomy
 - Recent advances in the surgical management of rotator cuff impingement and tears
 - Surgical management of glenohumeral arthritis-- arthroplasty vs. arthroscopy.
 - Proximal humerus fractures-- Diagnosis, classification, and surgical management.
- November 22, 2002 Pennsylvania Orthopaedic Society Fall Meeting-- Upper Extremity, Foot and Ankle, Philadelphia, PA: “Arthroscopic versus mini-open rotator cuff repair: a comparison of outcome”.
- November 22, 2002 Pennsylvania Orthopaedic Society Fall Meeting— Upper extremity, foot and ankle, Philadelphia, PA: “Shoulder arthritis and the effect on biomechanics”.
- December 13-14, 2002 Munich-Bogenhausen Shoulder Meeting, University of Munich, Munich, Germany:
 - Thermal Capsulorrhaphy: Indications, techniques, complications.
 - Arthroscopic cuff repair-- where are we now?
- January 16-18, 2003 University of South Florida—Current concepts of shoulder and elbow surgery, Tampa, FL
 - Open Reduction and Internal Fixation of Proximal Humerus Fractures

- How I treat Cuff Tear Arthropathy
- Principles of Shoulder Instability
- Revision Surgery for Failed Rotator Cuff Surgery

- February 5, 2003 American Academy of Orthopaedic Surgeons 70th Annual Meeting, New Orleans, LA: “Soft-tissue interposition without hemiarthroplasty as an alternative for glenohumeral arthritis in young, active patients”.

- February 5, 2003 American Academy of Orthopaedic Surgeons 70th Annual Meeting, New Orleans, LA: Instructional Course Lecture: “Controversies in the Management of Compressive Neuropathies in the Upper Extremity-- Compression Neuropathies of the Shoulder”.

- February 5, 2003 American Academy of Orthopaedic Surgeons 70th Annual Meeting, New Orleans, LA:
Instructional Course Lecture:
 - “Proximal Humerus Fractures: Alternatives to Arthroplasty”
 - “Surgical Neck Fractures and Valgus-impacted Fractures: Technique of Open Reduction, Minimal Internal Fixation”.

- February 6, 2003 American Academy of Orthopaedic Surgeons 70th Annual Meeting, New Orleans, LA: Symposium: Complex and Revision Problems in Shoulder Arthroplasty—Evaluation of the painful shoulder arthroplasty

- February 7, 2003 American Academy of Orthopaedic Surgeons 70th Annual Meeting, New Orleans, LA: Symposium: “How to Avoid Failed Rotator Cuff Surgery: Recognition and Management of Concurrent Pathology—Coracoid Impingement, os acromiale, and suprascapular cysts”.

- March 10, 2003 Grand Rounds – MCP Hahnemann University, Philadelphia, PA: “Shoulder Instability”.
- April 3-6, 2003 American Academy of Orthopaedic Surgeons Comprehensive Upper Extremity Course—Fingertips to Shoulder, Bal Harbor, FL:
 - Snapping Scapula and Scapular Winging.
 - Clavicle Fractures and Scapular Fractures.
- May 15, 2003 Grand Rounds Presentation, Beth Israel Hospital, New York, NY. “Rotator Cuff Repairs, Where Are We Now?”.
- June 1, 2003 AAOS – Rosemont, IL Orthopaedic Learning Center #3617, The Shoulder: Open and Arthroscopic Techniques. CoChair
 - Surgical Management of Anterior Shoulder Instability—Techniques and Results
- Prosthetic Management of Glenohumeral Arthritis with Cuff Deficiency and Bone Loss
 - Live Cadaveric Surgical Demonstration—Prosthetic Replacement for Proximal Humerus Fracture
 - Panel Discussion—Proximal Humerus Fractures and Their Management
- June 29, 2003 ASME International 2003 Summer Bioengineering Conference, Key Biscayne, FL: “Supraspinatus Tendon Structural and Mechanical Properties in a Chronic Rotator Cuff Tear Animal Model”.
- October 9, 2003 American Shoulder and Elbow Surgeons Closed Meeting—Dana Point, California: “Arthroscopic Release and Glenohumeral Joint Reduction in Brachial Plexus Birth Palsy”.

- October 11, 2003 American Shoulder and Elbow Surgeons Closed Meeting—Basic Science Symposium, Dana Point, California ;, “Total Shoulder Arthroplasty—Glenoid Component Design”.
- October 24, 2003 Depuy Shoulder Learning Center, Presbyterian Medical Center of the University of Pennsylvania Health System, Philadelphia, Pennsylvania
- Live surgical demonstration—Total Shoulder Arthroplasty
- Shoulder Arthroplasty in Cuff Deficiency and Bone Loss
- October 25, 2003 New Jersey Orthopaedic Association Fall Meeting—Where the Future is?
- Arthroscopic Rotator Cuff Repair—Indications, Technique, and Results
- Surgical Management of Proximal Humerus Fractures
- AAOS Board of Directors Update
- November 7, 2003 Orthopaedic Grand Rounds—Northwestern University, Chicago, Illinois: “Total Shoulder Arthroplasty—Design Rationale”.
- November 20, 2003 Visiting Professor, Department of Orthopaedic Surgery, Rothman Institute, Thomas Jefferson University. “Arthroscopic Cuff Repair: Where are we now?”
- January 8, 2004 Grand Rounds, University of Pennsylvania – “Shoulder Instability”
- March 7-14, 2004 AAOS Annual Meeting, San Francisco, CA
 - a)#901 Up Close and Personal “The Complex Shoulder”
 - b)IC267 Controversies in the Management of Compressive Neuropathies in the Upper Extremity

c)IC329 Proximal Humeral Fx I:“Alternatives to Arthroplasty”

- March 13, 2004 ASES Open Meeting Session I: “Glenohumeral Instability”
- March 26-27, 2004 Learning Center Course – Washington, DC
- Malunion/nonunions of Proximal Humeral Fractures
Resurfacing Humeral Shoulder Arthroplasty
- Surgical Technique for Resurfacing the Humeral Head (Video)
- Total Shoulder Arthroplasty Surgical Technique
- Glenoid Component Fixation: Keels, Pegs, Anchor Pegs,
Metal-Backed Glenoid
- Arthroscopic Cuff Repair
- April 15-18,2004 Pennsylvania Orthopaedic Society Spring Meeting – Las Vegas Program Chairman
Proximal Humerus Fractures- Percutaneous Pinning
Total Shoulder Arthroplasty Technique – Glenoid Side
- April 22-25, 2004 AANA Annual Meeting – Orlando, FL
- IC202 “Masters Cases in Shoulder Surgery: Case Presentations and Management of Challenging Shoulder Pathology”
- May 2-5, 2004 9th International Congress on Surgery of the Shoulder (ICSS)Washington, DC - Instructional Course Lecture: Rotator Cuff Tears
- May 14-16,2004 Aircast Foundation Meeting – Pittsburgh, PA
Ligament & Tendon
- Sept 29-30,2004
- ASES Closed Meeting – New York

- a) Rotator Cuff I – Dual Moderator
- b) Paper #31 Monitoring of Peripheral Nerve Function During Shoulder Arthroplasty using Continuous Intraoperative Nerve Monitoring
- c) Paper #28 Outcomes Following Closed Reduction and Percutaneous Pinning of Proximal Humerus Fractures

- Oct 14-17, 2004
- AAOS/ASES 4th Biennial Meeting – Monterey, CA
 - a) Panel Discussion - Panelist (Paper 1-10)
 - b) Panel Discussion – Moderator – Session 2
- Scientific Papers – Rotator Cuff and Distal Biceps Tendon Moderator - (Papers 11-20)
 - d) Panel Discussion for Scientific (Papers 31-35)
 - e) Open Techniques, Indications, and Results
 - f) Ganglia and Suprascapular Nerve
- Oct 22, 2004 20th Annual Arkansas Orthopaedic Forum- Little Rock, AR Distinguished Visiting Professor
- Arthroplasty in the Face of Cuff Deficiency
- Nov 3, 2004 Grand Rounds Mt. Sinai – New York The Use of Nerve Monitoring in Shoulder Surgery
- Nov 5-7, 2004 Shoulder and Elbow Update 2004 – Philadelphia, PA Chairman
- Nov 11-12, 2004 Pennsylvania Orthopaedic Society Trauma Meeting Philadelphia, PA - Chairman
- Jan 8-9, 2005 University of Pennsylvania - Anatomy Course Philadelphia, PA
- Jan 15-16, 2005

- AOSSM Allograft Meeting – Atlanta, GA
 - a) Soft Tissue Allografts in Shoulder Surgery

- Feb 20-22, 2005
- Orthopaedic Research Society 51st Annual Meeting – Washington, DC
 - Scientific Session:
 - Paper #62 – Rat Rotator Cuff Repairs is not Adversely Affected by Moderate Increases in Tension. Poster Session: Poster #621 – Supraspinatus Tendon Composition Remains Altered Long After Tendon Detachment

- Feb 23-27, 2005
- AAOS 2005 Annual Meeting – Washington, DC
 - Scientific Program:
 - Paper #343 - The Tension Required to Repair the Supraspinatus Tendon to Bone Rapidly Increases Following Injury
 - Paper #385 – Outcomes Following Closed Reduction and Percutaneous Pinning of Proximal Humerus Fractures
 - Instructional Courses:
 - #169 – Shoulder Arthroplasty: The State of the Art
 - #235 – Shoulder Arthritis Management Options in 2005
 - #318 – Management of Rotator Cuff Tears: Scope Repair, Revision, Tendon Transfer
 - Posters:
 - #252 – Monitoring Nerve Injury During Shoulder Arthroplasty
 - with Continuous Intraoperative Nerve Monitoring

- Feb 26, 2005
- ASES - 21st Open Meeting – Washington, DC
 - Session II: Shoulder Fractures

Paper # 8 - Outcomes Following Closed Reduction and

- Percutaneous Pinning of Proximal Humerus Fractures
Session XI: General/Miscellaneous Shoulder

Paper #33 –Monitoring of Peripheral Nerve Function during
Shoulder Arthroplasty using Continuous Intraoperative Nerve
MonitoringSymposium II Alternatives to Total Shoulder Arthroplasty for
Glenohumeral Arthritis – Moderator

- Mar5-8,2005 Philadelphia Hand Symposium 2005 – Philadelphia, PA
a)Shoulder Instability: Pathology and Surgical Management
- Shoulder Fractures
- April 14-16, 2005 Pennsylvania Orthopaedic Society Spring Scientific MeetingOrlando, Florida
 - a)Session VI- Point Counterpoint: AC Injuries in the High Demand Athlete: Eat vs. West
 - b)Session VII – Impingement Syndrome in the ThrowerDifferential Diagnosis and Treatment
- April 26-30,2005 3rd International Conference on Shoulders – Paris, France
 - Nonprosthetic Management of Genohumeral Arthritis in the Young Patient
 - Management of Glenoid Bone Loss in Shoulder ArthroplastyComplications – Co-Moderator
- May 6, 2005 Grand Rounds – Geisinger Medical Center, Danville, PA
 - a)Proximal Humerus Fractures Shoulder Arthroplasty in the Rotator Cuff Deficient Shoulder
 - c)Arthroscopic Rotator Cuff Repair – Where are we now?

- May 12-15, 2005 AAOS – 2005 Comprehensive Shoulder & Elbow Course

Co-Chairman - Hilton Head, SC

- Nonprosthetic Management of Arthritis in the Young Patient
- Management of Irreparable Tears without Arthritis (Tendon Transfers)
- Traditional Unconstrained Arthroplasty – Indications, Techniques and Results
- Percutaneous Treatment of Proximal Humerus FX: Indications, Techniques and Results
- The Floating Shoulder: What is it and How Should it be Treated
- ORIF of Glenoid Fractures: Indications, Techniques & Results

- August 17-21, 2005 20th Century Orthopaedic Association , 60th Annual Meeting Bishop's Lodge, Santa Fe, NM

- Nerve Monitoring during Total Shoulder Arthroplasty

- Sept 29-Oct 2, 2005 2005 Senior Residents Program - La Jolla, CA

a) Fractures & Injuries of the Clavicle & Sternoclavicular Joint

b) Fractures of the Shoulder

c) Total Shoulder Arthroplasty vs. Hemiarthroplasty in Management of Arthritis of the Shoulder Joint

d) Treatment of Rotator Cuff Problems in Young and Older Patients

- Oct. 5-8, 2005 36th Annual Meeting Eastern Orthopaedic Association

Chesapeake Bay, Cambridge, Maryland

Podium Presentation

a) Arthroscopic Treatment of Posterior Glenohumeral

Subluxation Secondary to Brachial Plexus Birth Palsy

- Oct. 27-30, 2005 South African Shoulder & Elbow Society Meeting

Johannesburg, South Africa

- a) Arthroscopic Rotator Cuff Repair: Where are we now?
- b) Operative Management of Proximal Humeral Fractures
- c) Shoulder Arthroplasty: Technique and Results
- d) Shoulder Arthroplasty in the Face of Bone Loss (Is it possible to omit the cuff deficiency?)
- e) Management of Glenohumeral Arthritis in the Young Patient
- f) The Use of Nerve Monitoring in Shoulder Surgery

- Nov. 5, 2005 AAOS Proximal Humerus Fractures , Course #3737

Herndon, VA

- a) Fracture/Dislocations: Managing the Dislocation
- b) Proximal Humerus Fractures: Preventing and Managing Complications
- c) Scapula and Glenoid Fractures

- Nov. 12, 2005 ASES Closed Meeting

Palm Beach, FL

Scientific Program

Paper #28—Functional Comparison of Arthroscopic and Open Bankart Repair

- Dec. 8-10, 2005 Munich Shoulder Meeting, University of Munich Munich, Germany

Management of Arthritis in the Young Patient

- Jan. 5, 2006 Grand Rounds—Medical College of Virginia

Richmond, VA

Arthroplasty in the face of Cuff Deficiency

- Jan. 8-11, 2006 Transforming Orthopaedics Vail, CO

Proximal Humerus Fractures—Does Operative Treatment Matter?

Total Shoulder Arthroplasty—Indications, Techniques, Results
 Arthroscopic Rotator Cuff Repair—Where are we now?
 Proximal Humeral Replacement for 4-part Fracture

- March 22-26, 2006 American Academy of Orthopaedic Surgeons 73rd Annual Meeting, Chicago IL
 - Surgical Approach and Technique of TSR: Tips and Tricks
 - The Role of Biologic Resurfacing in Glenohumeral Arthritis
 - Revision Surgery for Failed Rotator Cuff Surgery

- September 14, 2006 7th Annual MidWestern Arthritis and Arthroplasty Symposium Washington DC
 - Total Shoulder Arthroplasty—Video Demonstration
 - Revision Shoulder Arthroplasty—Technique and Results
 - The Reverse Prosthesis: When and How to Use it.

- October 6-7, 2006 AAOS Surgical skills course—Shoulder Arthroplasty: Surgical Indications and Techniques, Rosemont IL
 - Hemi- versus Total Shoulder Arthroplasty for Glenohumeral Osteoarthritis
 - Lab Instructor
 - Live Surgical Demonstration—Hemiarthroplasty for 4-part Fracture of the Proximal Humerus

- October 27-28, 2006 Techniques in Upper Extremity Reconstruction Las Vegas, NV
 - Humeral Resurfacing Design Rationale, Technique, and Results
 - Revision Shoulder Arthroplasty
 - Management of Complex Proximal Humerus Fractures with a Prosthesis
 - Video Demonstration—revision Reverse Prosthesis

- Complications Associated with the Reverse Prosthesis
- November 17-19, 2006 Shoulder and Elbow Update—2006
Philadelphia, PA
 - Surgical Options for Irreparable Rotator Cuff Disease—The Reverse Prosthesis
 - Pathology, Diagnosis, and Surgical Management of Glenohumeral Osteoarthritis
- February 11-14, 2007 Orthopaedic Research Society Annual Meeting, San Diego, CA
 - Peltz, C.D., Sarver, J.J., Dourte, L.M., Wuergler-Hauri, C.C., Williams, G.R., and Soslowsky, L.J.: Shoulder joint mechanics remain altered following post-operative immobilization and exercise in a rat rotator cuff injury and repair model. Transactions of the Orthopaedic Research Society, in press 2007
 - Wuergler-Hauri, C.C., Williams, G.R., Baradet, T.C., Dourte, L.M., and Soslowsky, L.J.: Temporal and local expression of growth factors in tendon to bone healing in a rat supraspinatus model. Transactions of the Orthopaedic Research Society, in press 2007
 - Sarver, J.J., Wuergler-Hauri, C.C., Ward, S.R., Williams, G.R., Lieber, R.L., and Soslowsky, L.J.: Loss in Serial Sarcomeres Following Cuff Tear Predicted by Fiber Adaptation Model. Transactions of the Orthopaedic Research Society, in press 2007
- February 14-16, 2007 AAOS annual meeting, San Diego, CA
 - Instructional course lecture # 169
Glenohumeral Arthritis: the Role of Biologic Resurfacing
 - Instructional course lecture #231
Shoulder Arthroplasty- State of the Art
 - Total Shoulder Arthroplasty: technique, tips, and pearls

Instructional course lecture #349

Rotator Cuff Disease: From Arthroscopy to Arthroplasty—Management of failed rotator cuff surgery

- February 17, 2007 American Shoulder and Elbow Surgeons open meeting, San Diego, CA

Defining the Functional Range of Motion of the Shoulder—Yagnik G, Mehta S, Ebaugh D, Ramsey M, Sennett B, Williams G

- March 10, 2007 Grand Rounds, Temple University, Philadelphia, PA-- Reverse Shoulder Arthroplasty—Indications, Technique, and Results
- April 27, 2007 Temple/Shriners Alumni Day—visiting professor, Philadelphia, PA-- Total Shoulder Arthroplasty: State of the Art
- May 3-6, 2007 AAOS/ASES The Shoulder and Elbow: A Comprehensive Update, Tucson, AZ

The Role of the Arthroscope in Glenohumeral Arthritis

The Floating Shoulder—What is it and how should it be treated?

- May 10-12, 2007 Pennsylvania Orthopaedic Society Spring Meeting: Shoulder and elbow—Current Trends, Scottsdale, AZ

Management of Irreparable Cuff Tears: the role of tendon transfers and graft materials

Management of Posterior and Multidirectional Instability

Technical Lecture: Methods of obtaining glenoid exposure

Complications of the Reverse TSA: Are ready for this?

- May 31-June 3, 2007 Anecy Live Surgery International Advanced Course, Anecy, France

Live performance of total shoulder arthroplasty

- June 29-30, 2007 Global Shoulder Society, Toronto, Canada
 Total Shoulder Arthroplasty—Glenoid Bone loss, Preoperative Planning
 Alternate Bearing Surfaces—is there a role in TSR?
- July 26-28, 2007 Combined Cleveland Clinic/Penn Shoulder and Elbow
 Fellows Biennial Meeting, Orlando, FL
 Arthroscopic partial subscapularis and capsular release for Brachial Plexus Birth
 Palsy
- August 21, 2007 13th Annual San Antonio Trauma Symposium -
 Orthopedic Session, San Antonio, Texas
 Open Reduction, Internal Fixation of Proximal Humerus Fractures
- August 30, 2007 Orthopaedic Learning Center—Cadaver course,
 Rosemont, IL
 Global AP Design Rationale
 Global AP System Overview, Surgical
 Experiences Tips and Pearls
 Total Shoulder Arthroplasty Procedure
 Cadaver Demonstration
- September 7, 2007 Pennsylvania Orthopaedic Trauma Symposium,
 Westin Hotel, Philadelphia, PA
 Operative Indications for Clavicle Fractures
 Hemiarthroplasty for Proximal Humerus Fracture—Maximizing Outcomes
- September 17-20, 2007 10th International Congress of Shoulder and
 Elbow Surgery, Costa de Sauipa, Brazil
 Podium Presentations
 Surgical Management of Traumatic Shoulder Instability

Defining the functional range of motion of the shoulder Poster
 Conversion of Hemiarthroplasty to Total Shoulder Arthroplasty

- December 14-15, 2007 Munich Shoulder Symposium, Munich, Germany

Management of Post-traumatic Arthritis in the Young
 Patient—the Role of Biologic Resurfacing

Open versus Arthroscopic Bankart Repair—Comparison of Clinical Results

- January 18-19, 2008 AAOS Open and Arthroscopic Shoulder Surgery, Orthopaedic Learning Center, Rosemont, IL

Live Surgical Demonstration—Reverse Shoulder Arthroplasty
 Lab Instructor

- January 31, 2008 Transforming Orthopaedics, Vail, CO

Moderator/Chair—Shoulder Section

Total Shoulder Arthroplasty—Indications, Techniques, and Results

- March 5-9, 2008 AAOS Annual Meeting, San Francisco, CA

Instructional Course Lectures

Shoulder Arthroplasty—State of the Art (course chairman/moderator))

Total Shoulder Arthroplasty—Exposure and Technical Pearls

AC Joint, SC Joint, Clavicle and Scapula Fractures (Course chairman/moderator)

Glenoid and Scapula Fractures

Symposia

Complex decision-making in shoulder arthroplasty

Resurfacing versus Stemmed Implants: How to Decide and Does it Matter?

- March 5, 2008 54th Annual Meeting of the Orthopaedic Research Society,

San Francisco, CA

Podium Presentation

Immobilization with Daily Passive Motion Causes Detrimental Changes in Shoulder Joint Mechanics in a Rat Model of Rotator Cuff Injury and Repair\C.

Peltz; L. Dourte; J. Sarver; S. Kim; G. Williams; L. Soslowsky

- April 3-6, 2008 AAOS/ASES 6th Biennial Meeting—Shoulder and Elbow Surgery, Orlando, FL

Podium Presentation

Glenoid Exposure and Resurfacing in TSR-Video

Percutaneous Pinning for Proximal Humerus Fractures: When and How to do it
Scapula and Glenoid Fractures

- June 27, 2008 Exposure Techniques in Anatomic and Reverse Shoulder Arthroplasty—Cadaveric Learning Center, Baltimore, MD
Cross-linked Glenoid Component—Design rationale and Surgical Technique
Global AP Design rationale
Total Shoulder Arthroplasty with the Global AP—Surgical experiences, tips, and pearls
Total Shoulder Arthroplasty—Global AP cadaver demonstration

- July 3-5, 2008 Refixation Update 2008, University of Munster, Munster, Germany

Rotator Cuff: Basic Science and Current Thoughts

Rotator Cuff Tears: Management of Substance Loss

How I treat Shoulder Instability

Instability: Management of Surgical Failures and Bone Loss

Glenoid Component: Metal Back vs Pegs vs Keels

Cadaver lab: Arthroscopic rotator cuff repair and Bankart repair

- September 4-6, 2008 American Shoulder and Elbow Surgeons, Closed meeting, Santa Barbara, California

Decision Making in 2- and 3-part Proximal Humerus Fractures

- November 14-16, 2008 Shoulder and Elbow Update 2008, Philadelphia, Pennsylvania

Primary Shoulder Arthroplasty

Recent Advances in Arthroscopic Cuff Repair

Workshops:

Physical Examination of the Shoulder

Videotape Demonstration: Anatomic and Reverse Shoulder Arthroplasty

- November 20-22, 2008 Pennsylvania Orthopaedic Society Fall Meeting—2008, Philadelphia, Pennsylvania

Recent Innovations in Shoulder Arthroplasty for OA

Current Concepts in Proximal Humerus Fractures: When to do a Replacement?

- November 21-22, 2008 AAOS Surgical Skills Course—Shoulder Arthroplasty, Rosemont, Illinois

Partial and Complete Humeral Resurfacing

Lab Instructor

- January 23-24, 2008 Current Solutions in Shoulder and Elbow Surgery

Tampa, Florida

Complication Treatment Strategies for Proximal Humerus Fractures

- February 25-28, 2009 AAOS Annual Meeting, Las Vegas, NV

Instructional Course Lectures

Shoulder Arthroplasty—State of the Art (course chairman/moderator))

Total Shoulder Arthroplasty—Exposure and Technical Pearls

AC Joint, SC Joint, Clavicle and Scapula Fractures (Course chairman/moderator)

Glenoid and Scapula Fractures

Symposia

Complex decision-making in shoulder arthroplasty

Getting to the shoulder—lesser tuberosity vs. subscapularis take down, Does it Matter?

Research Publications, peer reviewed (print or other media):

- Williams GR, Nguyen VD and Rockwood CA: Classification and Radiographic Analysis of Acromioclavicular Dislocations. Appl. Radiol February 1989.
- Nguyen VD, Williams GR and Rockwood CA: Radiologic Evaluation of Acromioclavicular Dislocations. Crit. Rev. Diagn. Imaging 1989.
- Williams GR and DeLee JC: Extra-Capsular Fractures of the Proximal Femur. Curr. Orthop Vol. 4(3), July 1990.
- Rockwood CA and Williams GR: Four-Part Fracture of the Proximal Humerus: Management with Hemiarthroplasty. Orthopaedic Consultation 1992.
- Haygood TM, Langlote CP, Kneeland JB, Iannotti JP, Williams GR, Dalinka MK: Categorization of Acromial Shape. Interreader Variability with MR Imaging and conventional Radiography. AJR Vol. 162: 1377-1382, 1994.
- Iannotti JP, Williams GR, Patel NJ: Recent Advances in Shoulder Disorders & Shoulder Surgery. Surgery Annual, Vol. 26: 227-250, 1994.
- Lazarus M, Chansky H, Williams GR, Misra S, and Iannotti JP: Open and Arthroscopic Subacromial Decompression. JSES Vol. (3): 1-11, 1994.
- Rockwood CA, Williams GR, Burkhead WZ: Debridement of Degenerative, Irreparable Lesions of the Rotator Cuff. Journal of Bone & Joint Surgery - American Volume 77(6): 857-66, Jun 1995.

- Kitay GS, Iannotti JP, Williams GR, Haygood T, Kneeland BJ, Berlin J.: Roentgenographic Assessment of Acromial Morphologic Condition in Rotator Cuff Impingement Syndrome. Journal of Shoulder & Elbow Surgery 4(6): 441-8, Nov-Dec 1995.
- Rovinsky D, Williams GR, Iannotti JP, Ragsdale BD: Autoimmune Arthritis Caused by Candida Septic Arthritis. Journal of Shoulder & Elbow Surgery 4(6): 472-6, Nov-Dec 1995.
- Burkhead WZ, Burkhart SS, Gerber C, Harryman DT, Morrison DS, Uthoff HK, Williams GR: The Rotator Cuff: Debridement versus Repair. Part I. Contemporary Orthopaedics 31 Vol. 4: 262-272, 1995.
- Burkhead WZ, Burkhart SS, Gerber C, Harryman DT II, Morrison DS, Uthoff HK, Williams GR: The Rotator Cuff: Debridement Versus Repair. Part II. Contemporary Orthopaedics 31 Vol. 4: 313-326, 1995.
- Iannotti JP, Williams GR, and Lisser SL: Total Shoulder Arthroplasty: Factors Influencing Prosthetic Sizing. Operative Techniques in Orthopaedics Vol. 4: 198-202, 1995.
- Williams GR and Iannotti JP: Total Shoulder Arthroplasty - Surgical Techniques. Techniques in Orthopaedics 1995.
- Leggin BG, Neuman RM, Iannotti JP, Williams GR, Thompson EC: Intrarater and Interrater Reliability of Three Isometric Dynamometers in Assessing Shoulder Strength. [erratum appears in J Shoulder Elbow Surg 1996 May-Jun;5(3):248] Journal of Shoulder & Elbow Surgery 5(1): 18-24, Jan-Feb 1996.

- Bernstein J, Adler LM, Blank JE, Dalsey RM., Williams GR, Iannotti JP: Evaluation of the Neer System of Classification of Proximal Humeral Fractures with Computerized Tomographic Scans and Plain Radiographs. Journal of Bone & Joint Surgery - American Volume 78(9): 1371-5, Sep 1996.
- Williams GR, Rockwood CA: Hemiarthroplasty in Rotator Cuff-Deficient Shoulders. Journal of Shoulder & Elbow Surgery 5(5): 362-7, Sep-Oct 1996.
- Iannotti JP, Bernot MP, Kuhlman JR, Kelley MJ, Williams GR: Postoperative Assessment of Shoulder Function: A Prospective Study of Full-Thickness Rotator Cuff Tears. Journal of Shoulder & Elbow Surgery 5(6): 449-57, Nov-Dec 1996.
- Karduna AR, Williams GR, Williams JL, Iannotti JP: Kinematics of the Glenohumeral Joint: Influences of Muscle Forces, Ligamentous Constraints, and Articular Geometry. Journal of Orthopaedic Research 14(6): 986-93, Nov 1996.
- Naranja RJ, Monaghan BA, Okereke E, Williams GR: Open Medial Subtalar Dislocation Associated with Fracture of the Posterior Process of the Talus. [see comments]. [Review] [5 refs] Journal of Orthopaedic Trauma 10(2): 142-4, 1996.
- Williams GR, Iannotti JP, Rosenthal A, Kneeland JB Dalinka M, and Schwaam H: MRI of the Rotator Cuff and Glenoid Labrum. Anatomic and Histologic Correlation. Clin. Orthop Vol. 330: 66-74, 1996.
- Groh GI, Williams GR, Jarman RN, Rockwood CA.: Treatment of Complications of Shoulder Arthrodesis. Journal of Bone & Joint Surgery -

- American Volume 79(6): 881-7, Jun 1997.
- Karduna AR, Williams GR, Williams JL, Iannotti JP: Glenohumeral Joint Translations Before and After Total Shoulder Arthroplasty. A Study in Cadavera. Journal of Bone & Joint Surgery - American Volume 79(8): 1166-74, Aug 1997.
 - Sher JS, Iannotti JP, Warner JJ, Groff Y, Williams GR: Surgical Treatment of Postoperative Deltoid Origin Disruption. Clinical Orthopaedics & Related Research Vol. (343): 93-8, Oct 1997.
 - Karduna AR, Williams GR, Williams JL, Iannotti JP: Joint Stability after Total Shoulder Arthroplasty in a Cadaver Model. Journal of Shoulder & Elbow Surgery 6(6): 506-11, Nov-Dec 1997.
 - Ono K, Williams GR, Clem M, Hwa JL, Wirth MA, Aufdemorte TB, Groh GI, Rockwood CA: Repair of Soft Tissue to Bone using a Biodegradable Suture Anchor. Orthopedics (Thorofare, NJ) 20(11): 1051-5, Nov 1997.
 - Iannotti JP, Williams GR, and Karduna AR: Factors Affecting the Design of Shoulder Prosthetics. Seminars in Arthroplasty Vol 8(4): 260-267, 1997.
 - Williams GR, Copley LA, Iannotti JP, and Lissner SP: Proximal Humeral Fracture: A Biomechanical Investigation of Fixation Techniques. J. Shoulder and Elbow Surgery Vol. 6(5): 423-428, 1997.
 - Williams GR: Painful Shoulder Following Surgery for Rotator Cuff Disease. Journal of the American Academy of Orthopaedic Surgeons Vol. 5(2): 97-108, 1997.
 - Karduna AR, Williams GR., Iannotti JP, Williams JL: Total Shoulder

- Arthroplasty Biomechanics: a Study of the Forces and Strains at the Glenoid Component. Journal of Biomechanical Engineering 120(1): 92-9, Feb 1998.
- Rhoad RC, Klimkiewicz JJ, Williams GR, Kesmodel SB, Udupa JK, Kneeland JB, Iannotti JP: A New In Vivo Technique for Three-Dimensional Shoulder Kinematics Analysis. Skeletal Radiology 27(2): 92-7, Feb 1998.
 - Blazar PE, Iannotti JP, Williams GR: Anteroposterior Instability of the Distal Clavicle after Distal Clavicle Resection. Clinical Orthopaedics & Related Research Vol. (348): 114-20, Mar 1998.
 - Gupta R, Sher J, Williams GR, Iannotti JP: Non-Union of the Scapular Body. A Case Report. Journal of Bone & Joint Surgery - American Volume 80(3): 428-30, Mar 1998.
 - Cohen RB, Williams GR: Impingement Syndrome and Rotator Cuff Disease as Repetitive Motion Disorders. [Review] [48 refs] Clinical Orthopaedics & Related Research Vol. (351): 95-101, Jun 1998.
 - Blazar PE, Williams GR, Iannotti JP: Spontaneous Detachment of the Deltoid Muscle Origin. Journal of Shoulder & Elbow Surgery 7(4): 389-92, Jul-Aug 1998.
 - Campbell JT, Moore RS, Iannotti JP, Norris TR, Williams GR: Periprosthetic Humeral Fractures: Mechanisms of Fracture and Treatment Options. Journal of Shoulder & Elbow Surgery 7(4): 406-13, Jul-Aug 1998.
 - Iannotti JP, Williams GR: Total Shoulder Arthroplasty. Factors Influencing Prosthetic Design. [Review] [29 refs] Orthopedic Clinics of North America 29(3): 377-91, July 1998.

- Freedman KB, Williams GR, Iannotti JP: Impingement Syndrome Following Total Shoulder Arthroplasty and Humeral Hemiarthroplasty: Treatment with Arthroscopic Acromioplasty. Arthroscopy 14(7): 665-70, Oct 1998.
- Beredjiklian P, Iannotti JP, Norris T, Williams GR: Surgical Management of Malunions of the Proximal Humerus. J. Bone Joint Surgery Vol. 80: 1484-1497, 1998.
- Cameron B and Williams GR: Controversies in Total Arthroplasty. Clinical Orthopaedics, India No. 13, 113-138, 1998.
- Griggs S, Williams GR, and Iannotti JP: Surgical Management of Full-Thickness Rotator Cuff Tears. Operative Techniques in Ortho Vol. 8(4): 205-217, 1998.
- Wong KL and Williams GR: Proximal Humerus Fractures: Diagnosis and Management University of Pennsylvania Orthopaedic Journal Vol. 11: 1-11, 1998.
- Williams GR, Shakil M, Klimkiewicz J, Iannotti JP: Anatomy of the Scapulothoracic Articulation. Clinical Orthopaedics & Related Research Vol. (359): 237-46, 1999
- Klimkiewicz JJ, Williams GR, Sher JS, Karduna A, Des Jardins J, Iannotti JP: The Acromioclavicular Capsule as a Restraint to Posterior Translation of the Clavicle: a Biomechanical Analysis. Journal of Shoulder & Elbow Surgery 8(2): 119-24, Mar-Apr 1999.
- Nofsinger CC, Williams GR, Iannotti JP: Calcific Tendinitis of the

- Trapezius Insertion. Journal of Shoulder & Elbow Surgery 8(2): 162-4, Mar-Apr 1999.
- Wong KL and Williams GR: Percutaneous and Minimally Invasive Treatment of Proximal Humerus Fractures. Sports Medicine and Arthroscopy Review Vol. 7: 134-144, 1999.
 - Jensen KL, Williams GR, Russell IJ, and Rockwood CA: Current Concepts Review - Rotator Cuff Tear Arthropathy. J. Bone Joint Surg. Am. 81(9): 1312 - 24. September 1, 1999.
 - Yeh GL, Williams GR: Conservative Management of Sternoclavicular Injuries. [Review] [48 refs] Orthopedic Clinics of North America 31(2): 189-203, Apr 2000.
 - Litts CS, Hennigan SP, Williams GR: Medial and Lateral Pectoral Nerve Injury Resulting in Recurrent Scapular Winging after Pectoralis Major Transfer: A Case Report. Journal of Shoulder & Elbow Surgery 9(4): 347-9, Jul-Aug 2000.
 - Williams GR and Iannotti JP: Anatomy & Biomechanics of the Glenohumeral Joint Related to Shoulder Arthroplasty. Seminars in Arthroplasty Vol. 11(1): 2-15, 2000.
 - Williams GR and Kelley MJ: Management of Rotator Cuff and Impingement Injuries in the Athlete. Journal of Athletic Training 35(3): 300-315, 2000.
 - Williams GR and Wong KL: Two-part and Three-part Fractures: Open

- Reduction and Internal Fixation Versus Closed Reduction and Percutaneous Pinning. Orthop. Clin North America Vol. 31(1): 1-22, 2000.
- Williams GR, Koffler K, Pepe M, Wong K, Chang B, and Ramsey M: Rotation of the Clavicular Portion of the Pectoralis Major for Soft-Tissue Coverage of the Clavicle. An Anatomical Study and Case Report. Journal of Bone and Joint Surgery, AM. 82-A(12):1736-42, December 2000.
 - Antonio J, Tae SK, Williams GR, Bird S, Ramsey ML and Iannotti JP: Suprascapular Neuropathy: Variability in the Diagnosis, Treatment and Outcome. Clinical Orthopaedics & Related Research No. 386, 131-138, 2001.
 - Williams GR, Naranja J, Klimkiewicz J, Karduna A, Iannotti JP, Ramsey ML. The Floating Shoulder: A Biomechanical Basis for Classification and Management. Journal of Bone and Joint Surgery, American Volume, 83-A(8): 1182-7, 2001.
 - Williams GR, Wong KL, Pepe MD, Tan V, Silverberg D, Ramsey ML, Karduna A, Iannotti JP. The Effect of Articular Malposition after Total Shoulder Arthroplasty on Glenohumeral Translations, Range of Motion and Subacromial Impingement. Journal of Shoulder and Elbow Surgery, 10(5):309-409, 2001.
 - Holloway GB, Schenk T, Williams GR, Ramsey ML, Iannotti JP. Arthroscopic Capsular Release for the Treatment of Refractory Postoperative or Post-Fracture Shoulder Stiffness. Journal of Bone and Joint Surgery – American Volume, 83-A(11):1682-7, 2001.
 - Wong KL and Williams GR: Complications of Thermal Capsulorrhaphy of the Shoulder. Journal of Bone and Joint Surgery – American Volume,

Supplement 2, Part 2, Volume 83-A:151-155, 2001.

- Cameron B, Galatz L and Williams GR: Factors Affecting the Outcome of Total Shoulder Arthroplasty. The American Journal of Orthopedics, Volume 30, No. 8:613-623, 2001
- Cameron BD, Galatz LM, Ramsey ML, Williams GR and Iannotti JP: Non-prosthetic Management of Grade IV Osteochondral Lesions of the Glenohumeral Joint. Journal of Shoulder and Elbow Surgery, Volume 11, Number 1:25-32. 2002
- Bigliani, L. U.; Brems, J. J.; Seitz, W. H., Jr.; Warren, R. F.; and Williams, G. R., Jr.: Case challenges in shoulder surgery: what would you do? J Arthroplasty, 17(4 Suppl 1): 41-4, 2002.
- Iannotti, J. P.; Antoniou, J.; Williams, G. R.; and Ramsey, M. L.: Iliotibial band reconstruction for treatment of glenohumeral instability associated with irreparable capsular deficiency. J Shoulder Elbow Surg, 11(6): 618-23, 2002.
- Tan, V.; Moore, R. S., Jr.; Omarini, L.; Kneeland, J. B.; Williams, G. R., Jr.; and Iannotti, J. P.: Magnetic resonance imaging analysis of coracoid morphology and its relation to rotator cuff tears. Am J Orthop, 31(6): 329-33, 2002.
- Thomopoulos, S.; Hattersley, G.; Rosen, V.; Mertens, M.; Galatz, L.; Williams, G. R.; and Soslowky, L. J.: The localized expression of extracellular matrix components in healing tendon insertion sites: an in situ hybridization study. J Orthop Res, 20(3): 454-63, 2002.
- Williams, G. R., Jr., and Iannotti, J. P.: Management of periprosthetic

fractures: the shoulder. J Arthroplasty, 17(4 Suppl 1): 14-6, 2002

- Antoniou, J.; Tsai, A.; Baker, D.; Schumacher, R.; Williams, G. R.; and Iannotti, J. P.: Milwaukee shoulder: correlating possible etiologic variables. Clin Orthop, (407): 79-85, 2003.
- Thomopoulos S, Williams GR, and Soslowsky LJ: Tendon to bone healing: differences in biomechanical, structural, and compositional properties due to a range of activity levels. Transactions of the ASME (125): 106-113, 2003.
- Thomopoulos S. Williams GR. Soslowsky LJ. Tendon to bone healing: differences in biomechanical, structural, and compositional properties due to a range of activity levels. Journal of Biomechanical Engineering. 125(1):106-13, 2003.
- Thomopoulos S, Williams GR, Gimbel JA, Favata M, Soslowsky LJ. Variation of biomechanical, structural and compositional properties along the tendon to bone insertion site. Journal of Orthopaedic Research. 21(3):413-9, 2003.
- Williams GR and Hassan A: Surgical management of failed anterior instability surgery. Operative Techniques in Orthopaedics 13(4): 242-252, 2003.
 - 71. Leggin BG, Shaffer MA, Neuman RM, Williams GR and Iannotti JP:
 - Relationship of Penn Shoulder Score with Measures of Range of
 - Motion and Strength in Patients with Shoulder

Disorders: A

- Preliminary Report. The University of Pennsylvania Orthopaedic Journal. 16:39-44, 2003.
- Garretson RB 3rd, Williams GR Jr: Clinical Evaluation of Injuries to the
 - Acromioclavicular and Sternoclavicular Joints. Clinical Sports Medicine
 - 22(2):239-54, April 2004.
 - Iannotti JP, Ramsey ML, Williams GR, Warner JJ: Nonsprosthetic
 - Management of Proximal Humeral Fractures. Instructional Course Lect.
 - 53:403-16, 2004.
 - Iannotti JP, Ramsey ML, Williams GR, Warner JJ: Nonsprosthetic
 - Management of Proximal Humeral Fractures. Journal of Bone and Joint Surgery. Volume85A,(8) pp:1578-1593, August 2003.
 - Galatz LM, Williams GR, Fenlin JM, Ramsey ML, Iannotti JP: Outcome
 - of Open Reduction and Internal Fixation of Surgical Neck Nonunions of
 - the Humerus. Journal of Orthopaedic Trauma. 18(2):63-7, Feb. 2004

- Gimbel JA, Van Kleunen JP, Mehta S, Perry SM, Williams GR,
- Soslowsky LJ: Supraspinatus Tendon Organizational and Mechanical Properties in a Chronic Rotator Cuff Tear Animal Model. Journal of Biomechanics, 37(5):739-49, 2004.
- Barton ER, Gimbel JA, Williams GR, Soslowsky LJ: Rat Supraspinatus Muscle Atrophy after Tendon Detachment. The Journal of Orthopaedic Research. 23(2):259-265, 2005.
- Gimbel JA, Mehta S, Van Kleunen JP, Williams GR, Soslowsky LJ: The Tension Required at Repair to Reappose the Supraspinatus Tendon to Bone Rapidly Increases Following Injury. Clinical Orthopaedics and Related Research. 426:258-65. 2004.
- Gimbel, J. A.; Van Kleunen, J. P.; Lake, S. P.; Williams, G. R.; and Soslowsky, L. J.: The role of repair tension on tendon to bone healing in an animal model of chronic rotator cuff tears. *J Biomech*, 2006.
- Yokota A, Gimbel JA, Williams GR, Soslowsky LJ: Supraspinatus Tendon Composition Remains Altered Long After Tendon Detachment.

- Journal of Shoulder and Elbow Surgery. Vol. 14, No.5, pp72S-78S,
- January/February 2005.

- McClure PW, Bialker J, Neff N, Williams GR, Karduna A: Shoulder
- Function and 3-Dimensional Kinematics in People with Shoulder
- Impingement Syndrome before and after a 6-Week Exercise Program.
- Physical Therapy 84(9):832-848, September 2004

- Williams GR, Rockwood CA, Bigliani LU, Iannotti JP and Stanwood W:
- Rotator Cuff Tears: Why Do We Repair Them?.
- Journal of Bone and Joint Surgery (American). 86:2764-2776, 2004.

- Williams GR, Abboud JA: Total Shoulder Arthroplasty: Glenoid
- Component Design. Journal of Shoulder and Elbow Surgery. 14 (1 Suppl):S122-8, Jan-Feb 2005.

- Getz CL, Ramsey ML, Glaser DL and Williams GR: Arthroscopic
- Decompression of Spinoglenoid Cysts. Techniques in Shoulder and Elbow Surgery. 6(1)36-42, 2005.

- Esmail AN, Getz CL, Schwartz DM, Wierzbowski L and Williams GR:

- Axillary Nerve Monitoring during Arthroscopic Shoulder Stabilization.
- The Journal of Arthroscopic and Related Surgery. Vol. 21, No. 6, 665-671, June 2005.
- Williams GR, Fenlin JM: Open versus Arthroscopic Rotator Cuff Repair,
 - Point-Counterpoint. University of Pennsylvania Orthopaedic Journal
 - Vol. 17, pp51-53, 2004-2005.
- Wong KL, Getz CL, Yeh GL, Ramsey ML, Iannotti JP and Williams GR. Treatment of Glenohumeral Subluxation using Electrothermal
 - Capsulorrhaphy. The Journal of Arthroscopic and Related Surgery.
 - Vol 21, No.8, pp985-991, August, 2005.
- Sennett BJ and Williams GR: Thermal Capsulorrhaphy in Shoulder
 - Instability. Sports Medicine and Arthroscopy Review. Volume 13,
 - No. 4, December, 2005
- Sauerbrey AM, Getz CL, Piancastelli M, Iannotti JP, Ramsey ML and Williams GR: Arthroscopic Versus Mini-Open Rotator Cuff Repair:
 - A Comparison of Clinical Outcomes. The Journal of Arthroscopic and Related Surgery. Volume 21, No. 12, pp1415-1420, December, 2005

- Iannotti, J.; Spencer, E. E., Jr.; Winter, U.; Deffenbaugh, D.; and Williams, G. R.: Prosthetic positioning in total shoulder arthroplasty. J Shoulder Elbow Surg, 14: 111S-121S, 2005.
- Yokota, A.; Gimbel, J. A.; Williams, G. R.; and Soslowsky, L. J.: Supraspinatus tendon composition remains altered long after tendon detachment. *J Shoulder Elbow Surg*, 14(1 Suppl): S72-8, 2005.
- DeFranco MJ, Brems JJ, Williams GR and Iannotti JP: Evaluation and
 - Management of Valgus Impacted Four-Part Proximal Humerus
 - Fractures. Clinical Orthopaedics and Related Research. Volume 442,
 - pp 109-114, January 2006.
- Iannotti, J. P.; Hennigan, S.; Herzog, R.; Kella, S.; Kelley, M.; Leggin, B.; and Williams, G. R.: Latissimus dorsi tendon transfer for irreparable posterosuperior rotator cuff tears. Factors affecting outcome. J Bone Joint Surg Am, 88(2): 342-8, 2006.
- Abboud, J. A.; Silverberg, D.; Glaser, D. L.; Ramsey, M. L.; and Williams, G. R.: Arthroscopy effectively treats ganglion cysts of the shoulder. *Clin Orthop Relat Res*, 444: 129-33, 2006.
- Abboud, J. A.; Silverberg, D.; Pepe, M.; Beredjikian, P. K.; Iannotti, J. P.; Williams, G. R.; and Ramsey, M. L.: Surgical treatment of os acromiale with and without associated rotator cuff tears. *J Shoulder Elbow Surg*, 15(3): 265-70, 2006.
- Tjoumakaris, F. P.; Abboud, J. A.; Hasan, S. A.; Ramsey, M. L.; and Williams, G.

- R.: Arthroscopic and open Bankart repairs provide similar outcomes. *Clin Orthop Relat Res*, 446: 227-32, 2006.
- Deutsch, A.; Ramsey, M. L.; and Williams, G. R.: Loss of passive external rotation at 90 degrees abduction is predictive of a medially healed Bankart lesion. *Arthroscopy*, 22(7): 710-5, 2006.
 - Gimbel, J. A.; Van Kleunen, J. P.; Lake, S. P.; Williams, G. R.; and Soslowsky, L. J.: The role of repair tension on tendon to bone healing in an animal model of chronic rotator cuff tears. *J Biomech*, 40(3): 561-8, 2007.
 - Keener, J. D.; Parsons, B. O.; Flatow, E. L.; Rogers, K.; Williams, G. R.; and Galatz, L. M.: Outcomes after percutaneous reduction and fixation of proximal humeral fractures. *J Shoulder Elbow Surg*, 16(3): 330-8, 2007.
 - Leggin, B. G.; Michener, L. A.; Shaffer, M. A.; Brenneman, S. K.; Iannotti, J. P.; and Williams, G. R., Jr.: The Penn shoulder score: reliability and validity. *J Orthop Sports Phys Ther*, 36(3): 138-51, 2006.
 - Pedowitz, D. I.; Gibson, B.; Williams, G. R.; and Kozin, S. H.: Arthroscopic treatment of posterior glenohumeral joint subluxation resulting from brachial plexus birth palsy. *J Shoulder Elbow Surg*, 16(1): 6-13, 2007.
 - Codsì, M. J.; Hennigan, S.; Herzog, R.; Kella, S.; Kelley, M.; Leggin, B.; Williams, G. R.; and Iannotti, J. P.: Latissimus dorsi tendon transfer for irreparable posterosuperior rotator cuff tears. Surgical technique. *J Bone Joint Surg Am*, 89 Suppl 2: 1-9, 2007.
 - Gimbel, J. A.; Van Kleunen, J. P.; Williams, G. R.; Thomopoulos, S.; and Soslowsky, L. J.: Long durations of immobilization in the rat result in enhanced mechanical properties of the healing supraspinatus tendon insertion site. *J*

Biomech Eng, 129(3): 400-4, 2007.

- Nagda, S. H.; Rogers, K. J.; Sestokas, A. K.; Getz, C. L.; Ramsey, M. L.; Glaser, D. L.; and Williams, G. R., Jr.: Neer Award 2005: Peripheral nerve function during shoulder arthroplasty using intraoperative nerve monitoring. *J Shoulder Elbow Surg*, 16(3 Suppl): S2-8, 2007.
- Williams GR, Flatow EL, Abboud JA, and Galatz LM: Percutaneous fixation of proximal humerus fractures—Round Table discussion. *Orthopaedics Today*, 27: 54-56, May 2007
- Garberina, M. J., and Williams, G. R., Jr.: Polyethylene dissociation after reverse total shoulder arthroplasty: The use of diagnostic arthroscopy. *J Shoulder Elbow Surg*, 2007.
- Deutsch, A.; Abboud, J. A.; Kelly, J.; Mody, M.; Norris, T.; Ramsey, M. L.; Iannotti, J. P.; and Williams, G. R.: Clinical results of revision shoulder arthroplasty for glenoid component loosening. *J Shoulder Elbow Surg*, 16(6): 706-16, 2007.
- Sarver, J. J.; Peltz, C. D.; Dourte, L.; Reddy, S.; Williams, G. R.; and Soslowsky, L. J.: After rotator cuff repair, stiffness--but not the loss in range of motion--increased transiently for immobilized shoulders in a rat model. *J Shoulder Elbow Surg*, 17(1 Suppl): 108S-113S, 2008.
- Song, H. S., and Williams, G. R., Jr.: Arthroscopic reduction and fixation with suture-bridge technique for displaced or comminuted greater tuberosity fractures. *Arthroscopy*, 24(8): 956-60, 2008.
- **Editorials, Reviews, Chapters, including participation in committee reports (print or other media):**

- Corley FG, Williams GR, Pearce J and Rockwood CA: The Management of Nonunions of the Humerus. The American Academy of Orthopaedic Surg. Instructional Course Lectures Vol. 39: 277-88, 1990.
- Rockwood CA, Williams GR and Young DC: Fractures and Dislocations of the Shoulder - Injuries to the Acromioclavicular Joint. Fractures in Adults. Rockwood CA and Green DP (eds.). JB Lippincott, Philadelphia, 3(3), 1991.
- Rockwood CA, Lyons F, Williams GR and Young DC: The Shoulder - Acromioclavicular Joint, Sternoclavicular Joint, Clavicle, Sternum and Scapula. Orthopaedic Sports Medicine: Principles and Practices. DeLee JC and Drez D (eds.). WB Saunders, Philadelphia, 1992.
- Williams GR: Nonoperative Management. Management of Rotator Cuff Syndromes. Iannotti, JP (eds.). AAOS Publications, Chicago, IL, 1992.
- Williams GR: Cuff Tear Arthropathy. Arthroplasty of the Shoulder. Friedman R (eds.). Thieme Medical Publishers Inc., New York, 1993.
- Iannotti JP and Williams GR: Hemiarthroplasty for Proximal Humeral Fractures. Techniques in Orthopaedics 1994.
- Iannotti JP and Williams GR: Diagnostic Tests and Shoulder Surgical Techniques. Physical Therapy Management of the Shoulder. Clark W and Kelley M (eds.). J.B. Lippincott, 1994.
- Williams GR and Iannotti JP: Open Reduction, Internal Fixation of Proximal Humerus Fractures. Techniques in Orthopaedics 1994.

- Williams GR Jr and Rockwood CA Jr: Massive Rotator Cuff Defects and Glenohumeral Arthritis, Arthroplasty of the Shoulder. Friedman RJ (ed), Thieme Medical Publishers, Inc., New York, 1994
- Iannotti JP and Williams GR, Sher J: Shoulder Reconstruction. Orthopaedic Knowledge Update 5. AAOS Publications, 1995.
- Rockwood CA, Williams GR and Young DC: Injuries to the Acromioclavicular Joint. Fractures in Adults. Rockwood CA, Green DP, Bucholz R (eds.). J.B. Lippincott, No. 4, 1995.
- Williams GR: Open Debridement of the Massive Degenerative Tear. Rotator Cuff Disorders. Burkhead WZ (eds.). Williams and Wilkins, Philadelphia, 1996.
- Iannotti JP and Williams GR: Shoulder and Arm Dislocation. Reconstruction of the Upper Extremity, Appleton and Lange. Herndon J (eds.). 1996.
- Iannotti JP and Williams GR: Clinical Impact of Shoulder MRI. Orthopaedic Techniques in Sports Medicine. Drez D and DeLee J (eds.). W. B. Saunders, 1996.
- Rockwood CA, Williams GR, and Young DC: Disorders of the Acromioclavicular Joint. The Shoulder. Rockwood CA and Matsen FA (eds.). W.B. Saunders, Philadelphia, No. 2, 1996.
- Williams GR and Ramsey MR: Open Reduction Internal Fixation of Clavicle Fractures and Clavicle Non-Unions. Atlas of Shoulder Surgery. FU FH (eds.). Martin Dunitz Publishers, 1996.

- Ramsey MR, Iannotti JP and Williams GR: Posterior Instability. Operative Orthopaedics. Pellegrini V (eds.). W. B. Saunders, Philadelphia, 1997.
- Williams GR and Iannotti JP: Management of Complex Multidirectional Instability. Complex and Revision Problems in Shoulder Surgery. Warner JJP, Iannotti JP and Gerber C (eds.). Lippincott-Raven, 1997.
- Williams GR and Iannotti JP: Management of Rotator Cuff Tears In the Weight Bearing Shoulder. Complex and Revision Problems in Shoulder Surgery. Warner JJP, Iannotti JP, and Gerber C (eds.). Lippincott-Raven, 1997.
- Williams GR: Biomechanics of Total Shoulder Arthroplasty. Shoulder Disorders: Diagnosis and Management. Iannotti JP and Williams GR (eds.). Lippincott-Raven, Philadelphia, 1999.
- Williams GR: Complications of Rotator Cuff Surgery. Shoulder Disorders: Diagnosis and Management. Iannotti JP and Williams GR (eds.). Lippincott-Raven, Philadelphia, 1999.
- Sauerbrey AM and Williams GR: Open reduction and internal fixation of four-part proximal humerus fractures. In Fractures of the Shoulder Girdle. Levine WN, Marra G, and Bigliani LU (eds.). Marcel Dekker, Inc, New York, 2003.
- Flatow EL, Glaser DL, Hatzidakis AM, Miller SL, Norris TR, Ramsey ML, and Williams GR: Cuff Tear Arthropathy. In Norris TR (ed). Orthopaedic Knowledge Update 2—Shoulder and Elbow. American Academy of Orthopaedic Surgeons, Rosemont, IL, 2002.

- Wong KL, Ramsey ML, and Williams GR: Scapular Fractures. In Norris TR (ed). Orthopaedic Knowledge Update 2—Shoulder and Elbow. American Academy of Orthopaedic Surgeons, Rosemont, IL, 2002.
- Rockwood CA, Williams GR, and Young DC: Disorders of the Acromioclavicular Joint. The Shoulder (3rd ed). Rockwood CA, Matsen FA, Wirth MA, and Lippitt SB (eds.). W.B. Saunders, Philadelphia, 2004.
- Smith CA and Williams GR Jr: Replacement Arthroplasty in Glenohumeral Arthritis—Intact or Repairable Cuff, Shoulder and Elbow Arthroplasty. Williams GR Jr, Yamaguchi K, Ramsey ML, and Galatz LM (eds), Lippincott, Williams, and Wilkins, Philadelphia, 2005
- Getz C, Deutsch A, and Williams GR Jr: Scapular and Glenoid Fractures, Complex and Revision Problems in Shoulder Surgery. Warner JJP, Iannotti JP, and Flatow EL (eds), Lippincott, Williams, and Wilkins, Philadelphia, 2005.
- Getz CL, Ramsey ML, Glaser D, Williams GR: Complications of Thermal Capsulorrhaphy. Complications of Shoulder Surgery Treatment and Prevention. Gill TJ and Hawkins RJ (eds).Lippincott Williams & Wilkins, Philadelphia, PA, 2006.
- Fagelman MF, Getz CL, and Williams GR Jr: Arthroscopic Treatment of Paralabral Cysts, Minimally Invasive Shoulder and Elbow Surgery. Levine WN, Blaine TA, and Ahmad CS (eds), Informa Healthcare, New York, 2007
- Williams GR: Hemiarthroplasty and Biologic Resurfacing of the Glenoid, Advanced Reconstruction-Shoulder. Zuckerman JD (ed.). American Academy of Orthopaedic Surgeons, Rosemont, IL, 2007.

- Glaser DL, Sher JS, Ricchetti ET, Williams GR Jr, and Soslowsky LJ: Anatomy, Biomechanics, and Pathophysiology of Rotator Cuff Disease, Disorders of the Shoulder: Diagnosis and Management(2nd ed). Iannotti JP and Williams GR (eds.) Lippincott, Williams, and Wilkins, Philadelphia, PA, 2007
- Cameron BD, Williams GR Jr, and Iannotti JP: Complications of Rotator Cuff Surgery, Disorders of the Shoulder: Diagnosis and Management(2nd ed). Iannotti JP and Williams GR (eds.) Lippincott, Williams, and Wilkins, Philadelphia, PA, 2007
- Sher JS, Levy JC, Iannotti JP, and Williams GR Jr: Diagnosis of Glenohumeral Instability, Disorders of the Shoulder: Diagnosis and Management(2nd ed). Iannotti JP and Williams GR (eds.) Lippincott, Williams, and Wilkins, Philadelphia, PA, 2007
- Miniaci AM, Haynes DE, Williams GR Jr, and Iannotti JP: Anterior and Anteroinferior Instability: Open and Arthroscopic Management, Disorders of the Shoulder: Diagnosis and Management(2nd ed). Iannotti JP and Williams GR (eds.) Lippincott, Williams, and Wilkins, Philadelphia, PA, 2007
- Griggs SM, Holloway GB, Williams GR Jr, and Iannotti JP: Chronic Dislocations, Disorders of the Shoulder: Diagnosis and Management(2nd ed). Iannotti JP and Williams GR (eds.) Lippincott, Williams, and Wilkins, Philadelphia, PA, 2007
- Williams GR Jr and Iannotti JP: Biomechanics of the Glenohumeral Joint: Influence on Shoulder Arthroplasty, Disorders of the Shoulder: Diagnosis and Management(2nd ed). Iannotti JP and Williams GR (eds.) Lippincott,

- Williams, and Wilkins, Philadelphia, PA, 2007
- Williams GR Jr and Iannotti JP: Unconstrained Prosthetic Arthroplasty for Glenohumeral Arthritis with an Intact or Repairable Rotator Cuff: Indications, Techniques, and Results, Disorders of the Shoulder: Diagnosis and Management(2nd ed). Iannotti JP and Williams GR (eds.) Lippincott, Williams, and Wilkins, Philadelphia, PA, 2007
 - Leggin BG, Iannotti JP, and Williams GR Jr: Measurement of Shoulder Outcomes, Disorders of the Shoulder: Diagnosis and Management(2nd ed). Iannotti JP and Williams GR (eds.) Lippincott, Williams, and Wilkins, Philadelphia, PA, 2007
 - Getz C and Williams GR: Paralabral cysts of the shoulder, Orthopaedic Knowledge Update: Shoulder and Elbow 3, Galatz L (ed.), American Academy of Orthopaedic Surgeons, Chicago, 2008
 - Levine W, Copeland S, Walch G, Flatow EL, and Williams GR: Shoulder replacements are an evolving technology. *Orthopaedics Today*, 28: 40, 2008.
 - Wiesel BB and Williams GR: The Reverse Prosthesis for Failed Anatomic Shoulder Arthroplasty. Revision and Complex Shoulder Arthroplasty. Wolters Kluwers/Lippincott, Williams, and Wilkins, Philadelphia, 2010
 - **Books**
 - Disorders of the Shoulder. Diagnosis and Management. Iannotti JP and Williams GR (eds.). Lippincott, Williams, and Wilkins, Philadelphia, 1999.
 - Shoulder and Elbow Arthroplasty. Williams GR, Yamaguchi

K, Ramsey M, and Galatz L (eds.). Lippincott, Williams, and Wilkins, Philadelphia, 2005.

- Disorders of the Shoulder. Diagnosis and Management (2nd ed.). Iannotti JP and Williams GR (eds.). Lippincott, Williams, and Wilkins, Philadelphia, 2007.

- **Alternative Media**

- Rockwood CA and Williams GR: Capsular Shift Reconstruction for Anterior Glenohumeral Instability. Video J. Orthop 1990.
- Rockwood CA and Williams GR: Glenohumeral arthrodesis. Video J. Orthop 1990.
- Rockwood CA, Williams GR and Lyons F: Three-Part Fracture of the Proximal Humerus: Open Reduction and Internal Fixation. University of Texas Health Science Center 1990.
- Ono K, Williams GR, Clem M and Rockwood CA: Repair of the Medial Collateral Ligament. New Zealand Rabbits using a Biodegradable Peg, to the American Academy of Orthopaedic Surgeons, Anaheim, CA 1991.
- Rockwood CA, Williams GR, and Lyons F: Four-Part Fracture of the Proximal Humerus: Hemiarthroplasty. University of Texas Health Science Center, 1990. (Submitted to the Videotape Library of the American Academy of Orthopaedic Surgeons and to the Annual Meeting in Anaheim) (accepted) 1991.
- Rockwood CA, Young DC and Williams GR: Intramedullary Fixation and Osteoperiosteal Rib Graft for Clavicle Nonunion. University of Texas

- Health Science Center, 1990. (Submitted to the Videotape Library of the American Academy of Orthopaedic Surgeons and to the Annual Meeting in Anaheim) (accepted) 1991.
- Rockwood CA, Young DC and Williams GR: Nonunion of the Proximal Humerus: Open Reduction Internal Fixation and Bone Grafting. University of Texas Health Science Center, 1990. (Submitted to the Videotape Library of the American Academy of Orthopaedic surgeons and to the Annual Meeting in Anaheim)(accepted) 1991.
 - Williams GR: Proximal Humerus Fractures: Orthopaedic Audio Synopsis Continuing Medical Education. Audio Synopsis Foundation, South Pasadena, CA 1991.
 - Rockwood CA and Williams GR: The Shoulder Impingement Syndrome: Management of Surgical Treatment Failures. Combined Meeting of the Orthopaedic Associations of the English Speaking World, Toronto, Ontario, Canada June 1992
 - Kitay GS, Haygood T, Williams GR, Kneeland BJ, and Iannotti JP: Roentgenographic Assessment of Acromial Morphology in the Rotator Cuff Impingement Syndrome. American Academy of Orthopaedic Surgeons, New Orleans February 1994.
 - Iannotti JP and Williams GR: Anatomy of the Shoulder and Brachial Plexus - Surgical Approaches. AAOS Videotape Library, AAOS 1994.
 - Iannotti JP and Williams GR: AC Joint Reconstruction-Coracoclavicular Ligament Reconstruction. AAOS Videotape Library, AAOS 1994.

- Blazar PE, Iannotti JP, Williams GR: Spontaneous Detachment of the Deltoid Muscle. American Academy of Orthopaedic Surgeons, Atlanta February 1996.
- Karduna AR, Williams GR, Williams JL and Iannotti JP: Kinematics of the Glenohumeral Joint Before and After Total Shoulder Arthroplasty: Effects of Component Conformity. Orthopaedic Research Society 42nd Annual Meeting, Atlanta February 1996.
- Rhoad RC, Williams GR, Kneeland JB, Samarasekera S, Udupa JK, and Iannotti JP: Magnetic Resonance Imaging and 3-D Viewnix: A Non-Invasive Method for Studying Shoulder Kinematics. American Academy of Orthopaedic Surgeons, Atlanta February 1996.
- Beredjikian PK, Iannotti JP, Norris TR, and Williams GR: Surgical Management of Proximal Humerus Fracture Malunion. American Academy of Orthopaedic Surgeons 64th Annual Meeting, San Francisco, CA February 1997.
- Klimkiewicz JJ, Karduna A, Sher JS, Williams GR, and Iannotti JP: A Biomechanical Analysis of the Acromio-clavicular Ligament as a Restraint in Resisting Posterior Translation of the Clavicle. American Academy of Orthopaedic Surgeons 64th Annual Meeting, San Francisco, CA February 1997.
- Naranja RJ, Klimkiewicz JJ, Iannotti JP, Dalsey RM, and Williams GR: Floating Shoulder: A Biomechanical Basis for Classification and Management. American Academy of Orthopaedic Surgeons 64th Annual Meeting, San Francisco, CA. February 1997.
- Williams GR, Iannotti JP, Ramsey M, Koffler K, Pepe M, Wong K:

- Rotational Pectoralis Major Flap for Soft-tissue Coverage of the Shoulder. American Academy of Orthopaedic Surgeons 66th Annual Meeting. Anaheim, CA February 1999.
- Williams GR: Shoulder Instability, Open Repair. Audio-Digest. Orthopaedics Vol. 22(07, July 1999).
 - Williams GR, Iannotti JP, Ramsey M, Wong K, Karduna A, Pepe M: The Effect of Articular Malposition on Subacromial Impingement and Glenohumeral Motion after Total Shoulder Arthroplasty. American Academy of Orthopaedic Surgeons 66th Annual Meeting. Anaheim, CA - February 1999.
 - Arthroscopic acromioplasty and mini-open rotator cuff repair. AAOS Summer Institute September 1999.
 - Wong KL, Williams GR, Ramsey ML and Iannotti JP: Treatment of Shoulder Instability Using Electrothermally-Assisted Capsular Shift. American Academy of Orthopaedic Surgeons 67th Annual Meeting. Orlando, FLA March 2000.
 - Pedowitz DI, Gibson BW, Williams GR, and Kozin SH: Arthroscopic Treatment of Glenohumeral Joint Subluxation Secondary to Brachial Plexus Palsy. American Academy of Orthopaedic Surgeons 73rd Annual Meeting, Chicago, IL, March 22-26, 2006
 - Abboud JA, Silverberg DA, Ramsey ML, and Williams GR: Arthroscopic Decompression as an Effective Treatment for Ganglion Cysts of the Shoulder. American Academy of Orthopaedic Surgeons 73rd Annual Meeting, Chicago, IL, March 22-26, 2006

- Mehta S, Nagda S, Ebaugh D, Rogers KJ, Yagnik GP, Sennett BJ, and Williams GR: Defining the Functional Range of Motion of the Shoulder. American Academy of Orthopaedic Surgeons 73rd Annual Meeting, Chicago, IL, March 22-26, 2006
- Peltz C, Dourte; J. Sarver; S. Kim; G. Williams; L. Soslowsky: Exercise Following Immobilization Is Detrimental to Tendon Properties and Joint Mechanics in a Rat Rotator Cuff Injury Model, Poster—54 Annual Meeting of the Orthopaedic Research Society, San Francisco, CA, March 2-5, 2008
- Day J; Lau E; Ong KL; Williams GR; Ramsey ML; Kurtz SM: Prevalence and Projections for Upper Extremity Arthroplasty in the United States—55 Annual Meeting of the Orthopaedic Research Society, Las Vegas, NV, February 22-25, 2009.