

## CURRICULUM VITAE

Name: **RICHARD T. HOLT, M.D.**

Birthdate: December 20, 1947

Education: University of Tennessee, Knoxville  
B. S. Industrial Engineering, 1970  
  
University of Tennessee, Memphis  
M.D. December 1973

Internship: University of Tennessee Memorial and  
Research Center, Knoxville, Tennessee  
Medicine Internship 1/74 - 12/74  
  
Associated with Valentine Schultz Clinic  
Newport, Tennessee as a General Practice  
Physician 1/75 - 6/75

Residency: Charlotte Memorial Hospital and  
Medical Center  
Charlotte, North Carolina  
Internal Medicine - Junior Assistant  
Resident 7/75 - 6/76  
  
Charlotte Memorial Hospital and  
Medical Center  
Charlotte, North Carolina  
Orthopaedic Surgery Resident  
7/76 - 6/80

Fellowship: Spine Surgery  
Kosair Hospital  
Louisville, Kentucky  
7/80 - 6/81

Practice: Orthopaedic Associates, PSC  
Louisville, Kentucky  
7/81 - 8/90  
  
Spine Institute for Special Surgery  
Louisville, Kentucky  
9/90 - 2/91  
  
Spine Surgery, PSC  
Louisville, Kentucky  
3/91 - current

Licenses: Kentucky # 20867 reciprocity 7/80  
North Carolina #R20015 reciprocity 6/75  
South Carolina #7687 reciprocity 6/75  
Tennessee #MD8540 Examination 1/74  
Indiana #01039911 reciprocity 12/91  
Louisiana #10939R reciprocity 9/94  
Missouri #107176 11/94

Certification: American Board of Orthopaedic Surgery  
July 1983

Patent: Intervertebral Staple  
Patent No. 5,395,372  
Issue Date: March 7, 1995

Societies: American College of Spine Surgery  
American Medical Association  
Clinical Orthopaedic Society  
C-D International Study Group  
Groupe International CD  
Jefferson County Medical Association  
Kentucky Medical Society  
Kentucky Orthopaedic Society  
Kentucky State Medical Association  
Louisville Orthopaedic Society  
Scoliosis Research Society  
Southern Medical Association  
Southern Orthopaedic Association  
Spine Society of Australia  
North American Spine Society

Active or  
Courtesy Staff: Jewish Hospital  
Kosair Childrens' Hospital  
Norton Hospital  
Norton Audubon Hospital  
Norton Suburban Medical Center  
Norton Medical Pavilion  
Baptist Hospital East  
Veterans Administration Hospital  
Clark Memorial Hospital  
Floyd Memorial Hospital  
Pinelake Regional Hospital  
Jewish Hospital – Shelbyville  
Tulane University Hospital  
Kindred Hospital Louisville  
Regional Medical Center – Madisonville, Ky

Other: Home of the Innocents  
Hazelwood ICF/MR

Cedar Lake Lodge

Appointments:

Assistant Clinical Professor  
Division of Orthopaedic Surgery  
University of Kentucky School of Medicine  
May 1995 – current

Assistant Clinical Professor  
Department of Orthopaedic Surgery  
University of Louisville School of Medicine  
Louisville, Kentucky  
June, 1999 - present

Member, Professional Advisory Board  
Scoliosis Association, Inc.  
1993 - current

Clinical Professor  
Department of Orthopaedics  
Tulane University School of Medicine  
New Orleans, Louisiana  
July 1991 - current

Staff Physician  
Scoliosis Clinic  
Barren River District Health Department  
Bowling Green, Kentucky  
1991 - current

Assistant Professor  
Department of Orthopaedics  
University of Louisville School of Medicine  
Louisville, Kentucky  
1987 - 1990

Clinical Assistant Professor  
Department of Orthopaedics  
University of Louisville School of Medicine  
Louisville, Kentucky  
1991 - 1993

Co-Director  
Kenton Leatherman Spine Center Norton Hospital  
Louisville, Kentucky  
1985 – 1990

Director of The Spine Service  
Humana Hospital University  
Louisville, Kentucky

1985 - 1990

Staff Physician Scoliosis Clinic  
Kentucky Commission for Handicapped Children  
Louisville, Kentucky

1981 - 1990

Vice President  
Groupe International C-D  
Paris, France  
1986 - 1990

Chairman, Exhibit Committee  
Scoliosis Research Society  
1990

Chairman, Fellowship Committee  
Scoliosis Research Society  
2000 – 2002

## **FDA RESEARCH PROJECTS**

SB Charite III Intervertebral Dynamic Disc Spacer, 2000 - current  
Implex Hydrocel Cervical Fusion Device – July, 2001 – 2002  
Implex Hydrocel Anterior Lumbar Fusion Device – July, 2001 - 2002  
Synthes PLIF Allograft Spacer – March, 2001 - 2002  
Infix Interbody Fusion System Study – Arm II, 2000 – November, 2001  
PROCRIT (Epoetin Alfa) Administered Perioperatively vs. the Standard of Care in Blood Conservation in Subjects Undergoing Major Elective Spinal Surgery 2000-2001  
Orthofix Cervical-Stim Study, 1999  
DePuy Acromed Titanium Surgical Mesh (TSM) Clinical Study, 1997 - 1999  
Louisville Side Saddle (LSS) Spine System, 1992  
Utilization of COLLAGRAFT Bone Graft Substitute in the Treatment of Lumbar Spine Diseases, 1990  
PWB Spinal Instrumentation Study, 1989

## MEETINGS ATTENDED

Regional Review Course in Hand Surgery Indianapolis, Indiana	October, 1982
Back to Basics Spine Conference Orlando, Florida	March, 1983
Pediatric Orthopaedic Symposium Shriner's Hospital Lexington, Kentucky	March, 1983
Chymopapain Symposium Louisville, Kentucky	May 1983
Cook County Graduate School Orthopaedic Review Chicago, Illinois	May 1983
Maine Orthopaedic Review Colby College Waterville, Maine	June 1983
Scoliosis Research Society 1984 Annual Meeting Co-author of two papers presented at this meeting Orlando, Florida	September, 1984
Oscar Miller Day Miller Clinic Charlotte Memorial Hospital and Medical Center Charlotte, North Carolina	September 1984
Practical Hoffman Fixation University of Louisville Louisville, Kentucky	November, 1984
American Academy of Orthopaedic Surgeons Annual Meeting Las Vegas, Nevada	January 1985
Second International CD Spine Meeting Paris, France	June 1985
Orthopaedic Grand Rounds Wright State University Visiting Professor Miami, Ohio	July 1985
Scoliosis Research Society	

<p>Twentieth Annual Meeting            Co-Author of two papers presented at this meeting            Coronado, California</p>	<p>September, 1985</p>
<p>Sixth Annual Kosair Spine Symposium            The Natural History of Scoliosis and Instrumentation            Hands on Instructor            Louisville, Kentucky</p>	<p>November, 1986</p>
<p>Cervical Spine Research Society Instructional Course            West Palm Beach, Florida</p>	<p>December, 1986</p>
<p>Scoliosis Research Society            1987 Annual Meeting            Co-Author of two papers presented            Vancouver, Canada</p>	<p>September, 1987</p>
<p>Scoliosis Research Society            Tutorial, Adult Spinal Deformities            Toronto, Ontario, Canada</p>	<p>September, 1987</p>
<p>The Adult Spine: Current Concepts and Techniques            American Association of Orthopaedic Surgeons            Nashville, Tennessee</p>	<p>October, 1987</p>
<p>3 D Imaging in Medicine            Hospital of The University of Pennsylvania            Philadelphia, Pennsylvania</p>	<p>November, 1987</p>
<p>Kaneda Device Study Group            Miami, Florida</p>	<p>February, 1988</p>
<p>Orthopaedic Pathology            Radiology Review Course 1988            Orthopaedic Hospital of Charlotte            Charlotte, North Carolina</p>	<p>May 1988</p>
<p>Luque Interpeduncular Segmental Fixation Course            Orlando, Florida</p>	<p>July 1988</p>
<p>Magnetic Resonance Symposium            Orthopaedic Magnetic Resonance Applications            Jewish Hospital            Louisville, Kentucky</p>	<p>July 1988</p>

Scoliosis Research Society 1988 Annual Meeting Co-Author of paper presented Baltimore, Maryland	September, 1988
Scoliosis Research Society and North American Spine Society Pedicle Fixation of The Lumbar Spine Chicago, Illinois	September, 1988
Texas Scottish Rite Hospital TSRH Instrumentation Dallas, Texas	March, 1989
Scoliosis Research Society 1989 Annual Meeting combined with European Spinal Deformities Society Co Author of paper presented Amsterdam, Netherlands	September, 1989
Scoliosis Research Society Tutorial CD Instrumentation - Advanced Course Director and Tutor - Two Day Course Louisville, Kentucky	November, 1989
Cervical Spine Research Society 17th Annual Meeting New Orleans, Louisiana	December, 1989
Chairman of Poster Exhibits Scoliosis Research Society Annual Meeting Honolulu, Hawaii	September, 1990
Danek Spinal Scope Initial Evaluator Chicago, Illinois	December, 1990
Chairman and Instructor Luque Course Hands On Course and Workshop Jewish Hospital Louisville, Kentucky	February, 1991
SpinalScope Meeting Danek Company Memphis, Tennessee	March 1991
Program Chairman Instrumentation in Spine Surgery Hands-On and Workshop Jewish Hospital Louisville, Kentucky Moderator	April 1991

Seventh Annual G.I.C.D. Minneapolis, Minnesota	September, 1991
The Cervical Spine Research Society Third Instructional Course on Principles of Evaluation and Management Philadelphia, Pennsylvania	December, 1991
Moderator - Scientific Portion Second Annual Tulane-Louisville Spine Fellows Meeting Louisville, Kentucky	October, 1992
Danek's Spinal Endoscopy Program The Advanced Orthopaedic Center Richmond, Virginia	May, 1993
Scoliosis Research Society 28th Annual Meeting, Dublin, Ireland	September, 1993
Isola Senior Faculty Meeting Panel Chicago, Illinois	March, 1994
The Graduate Hospital Visiting Surgeon Program Arthroscopic Microdiscectomy Procedure Observed with Dr. P. Kamdin Philadelphia, Pennsylvania	April, 1994
Cervical Spine Trauma Practical Anatomy and Surgical Technique Workshop St. Louis University School of Medicine St. Louis, Missouri	May, 1994
Professor J. Harms Visited & observed Surgery - Transoral Approach Karlsbad, Germany	August, 1994
Aspects of AIDs Audubon Regional Medical Center Louisville, Kentucky	August, 1994
SpineTech, Inc. Meeting Minneapolis, Minnesota	September, 1994
AO/ASIF Advanced Spinal Techniques Course Bermuda Tulane-Louisville Spine Society Academic Day	October, 1994



Miami, Florida	November, 1994
MOSS-Miami Spinal Instrumentation Meeting Miami Beach, Florida	November, 1994
Total Spine: Advanced Concepts and Constructs Cancun, Mexico	January, 1995
Isola Study Group Meeting Chicago, Illinois	April, 1995
Occipital Cervical Fixation Course Dr. Jurgen Harms St. Louis, Missouri	October, 1995
First Advance Deformity Course for U.S. AcroMed Sales Representatives Cleveland, Ohio	April, 1996
Lumbosacral Fusion Course Dr. Jurgen Harms St. Louis, Missouri	October, 1996
Spine Residents and Fellows Conference Faculty Snowbird, Utah	April, 1997
Innovative Spine Surgery Techniques Faculty, Practical Anatomy Lab St. Louis, Missouri	September, 1997
Innovative Spine Surgery Techniques Faculty. Practical Anatomy Lab St. Louis, Missouri	August, 1998
Medical Advisory Board Meeting SULZER-Howmedica Tucson, Arizona	January, 1999
Scoliosis Research Society Annual Meeting San Diego, California	September, 1999
North American Spine Society Annual Meeting Chicago, Illinois	October, 1999
Seminar Autologous Platelet Gel as a Fusion Enhancer The Current Status of Artificial Disc and Disc Replacement	

Louisville, Kentucky	December, 1999
SB Charite III Intervertebral Dynamic Disc Spacer Investigator Meeting Dallas, Texas	March, 2000
AO ASIF Spine Course Captiva Island, Florida	September, 2000
Degenerative Spinal Diseases: Selecting Surgical Techniques Napa Valley, California	September, 2000
North American Spine Society Annual Meeting New Orleans, Louisiana	October, 2000
Scoliosis Research Society Annual Meeting Cleveland, Ohio	September, 2001
Current Concepts and Controversies in Spinal Deformities Meeting Paris, France	April, 2002
Tulane – Louisville Spine Meeting Louisville, Kentucky	May, 2002
Scoliosis Research Society Annual Meeting Seattle, Washington	September, 2002
Link Spine Investigators Meeting Orlando, Florida	September, 2002
Spinal Concepts Cervical Advisory Board Meeting Louisville, Kentucky	June, 2003
MAST Hands-on Course Memphis, Tennessee	December, 2003
North American Spine Society Annual Meeting Chicago, Illinois	October, 2004
Advisory Board EXACTECH Meeting Chicago, Illinois	December, 2004
Advisory Board NEXGEN Meeting Whippany, New Jersey	January, 2005

Advisory Board Spinal Concepts Meeting Dallas, Texas	January, 2005
Spine Arthroplasty Society Annual Meeting New York City, New York	May, 2005
Scoliosis Research Society Annual Meeting Miami, Florida	October, 2005
“Thoracic Insufficiency Syndrome” Meeting Synthes Spine Philadelphia, Pennsylvania	December, 2005
Visitation with Professor Jurgen Harms Karlsbad, Germany	February, 2006
Spine Arthroplasty Society Annual Meeting Montreal, Canada	May, 2006
AO ASIF Developmental Meeting Bermuda	August, 2006
NASS Annual Meeting Seattle, Washington	September, 2006
Advisory Board Meeting NEXGEN, Inc. Parsippany, New Jersey	June, 2007
Advisory Board Meeting Facet Solutions, Inc. Boston, Massachusetts	June, 2007
NASS Annual Meeting Austin, Texas	October, 2007

## PRESENTATIONS

- "Fracture Stabilization"  
First Annual Kosair Spine Symposium  
Louisville, Kentucky September, 1981
- "Luque Rod Spinal Instrumentation for Unstable Thoracolumbar Fracture"  
Kentucky Medical Association  
Lexington, Kentucky September 1982
- "Zielke Procedure"  
"Electrical Stimulation for treatment of idiopathic scoliosis"  
Second Annual Kosair Spine Symposium  
Spine Deformities and Acute Injuries  
Louisville, Kentucky September 1982
- Seminar in the Treatment of Spine Deformity  
Bowling Green, Kentucky September 1982
- "Zielke Instrumentation"  
"Experience with Electrical Stimulation for Treatment of Idiopathic Scoliosis"  
Scoliosis Research Society Annual Meeting  
Denver, Colorado September 1982
- "State of the Art for Analysis and Treatment of Spine Deformities and Lesions"  
American Academy of Orthopaedic Surgeons  
Continuing Education Course  
Louisville, Kentucky May 1983
- "HBLL for Improved Stabilization and Derotation"  
Third Annual Kosair Spine Symposium  
Comprehensive Care of Spine Deformities  
Louisville, Kentucky December 1983
- "HBLL – 50 cases"  
Fourth Annual Kosair Spine Symposium  
What's New in European Spine Centres and Introduction to The CD System  
Louisville, Kentucky September 1984
- "New Horizons in Spine Surgery"  
Norton Nursing Seminar  
Louisville, Kentucky September 1984
- "Instrumentation for Myelodysplasia"  
Second Symposium on Spina Bifida  
University of Cincinnati  
Cincinnati, Ohio November 1984
- "Osteoporosis"

Kentucky Association of Homes For The Aging Louisville, Kentucky	April 1985
"Results of Zielke Instrumentation in the treatment of idiopathic scoliosis" Speaker, Round Table Moderator and Hands-On Instructor Fifth Annual Kosair Spine Symposium Spinal Instrumentation Louisville, Kentucky	December 1985
Surgical Grand Rounds Bowman Gray School of Medicine Visiting Professor Winston - Salem, North Carolina	January 1986
The Twelfth Oleika Shrine Lecture Shriners Hospital Lexington, Kentucky	March 1986
American Neurosurgical Society University of Louisville Louisville, Kentucky	May 1986
"CD, The Louisville Experience" Third Annual International CD Spine Meeting Paris, France	June 1986
"Louisville Experience with CD" "CD for Unstable Fracture" Scoliosis Research Society 1986 Annual Meeting Hamilton, Bermuda	September 1986
"Problem Fractures" University of Louisville Louisville, Kentucky	October 1986
"Scoliosis Surgery Instrumentation" Surgical Grand Rounds University of Louisville Louisville, Kentucky	March 1987
"Current Indications for Scoliosis Surgery" Surgical Grand Rounds University of Cincinnati Visiting Professor Cincinnati, Ohio	May 1987
"CD in Cervical Instability" "CD in Fractures"	

Fourth Annual International CD Meeting Miami Beach, Florida	May 1987
"Scoliosis and Spine Deformities" American Chiropractic College of Radiology 1987 International Workshop Knoxville, Tennessee	October 1987
"Indications for Two Stage Surgery in Adult Spine Deformities" "Indications for Two Stage vs. One Stage" Seventh Annual Kosair Spine Symposium Louisville, Kentucky	November 1987
"How to Teach CD Technique" Speaker and Moderator Groupe International CD Paris, France	January 1988
"CD System for Spine Fractures" Ohio State University Grand Rounds and Visiting Professor Columbus, Ohio	February 1988
"Cell Saver - Advantages and Disadvantages" Comprehensive Autologous Transfusion Norton Hospital and University of Louisville Louisville, Kentucky	April 1988
"CD Instrumentation in The Treatment of Right Thoracic Scoliosis" "New Possibilities with CD in Spinal Pathology" Speaker and Instructor Fifth International Congress CD Instrumentation Paris, France	June 1988
"Spinal Instrumentation - Indications for Use" Nursing Education Department Norton Hospital Louisville, Kentucky	July 1988
"Nutrition and Cerebral Palsy" Eighth Annual Kosair Spine Symposium Spine Deformities and Instrumentation - Director Speaker and Hands on Instructor Louisville, Kentucky	November 1988
"Anterior and Posterior Surgery for Fractures of The Thoracolumbar Spine" "CD Technique for Scoliosis" "Zielke Instrumentation"	

Korean Spine Society Annual Meeting Seoul, Korea	November 1988
"Congenital Spine Deformities" River Cities Chapter of National Association Back of The Future Workshop Norton Hospital Louisville, Kentucky	of Orthopaedic Nurses November 1988
Neoplasm Conference Norton Hospital Case Presentation Louisville, Kentucky	December 1988
"Spine Fractures" Physical Therapy Students University of Louisville Louisville, Kentucky	December 1988
"Introduction to CD Instruments" "CD Applied to Thoracic Scoliosis" "Complex Scoliosis Problems" "CD for Low Back Problems" "CD for Spinal Trauma" CD Workshop Meeting Adelaide, Australia	August 1989
"Spinal Stability" Facet Club Meeting Adelaide, Australia	August 1989
"An Analysis of 107 Single Stage Anterior and Posterior Spine Surgery" Sixth Annual International Conference CD Instrumentation Monte Carlo, Monaco	September 1989
"Spine Fractures" Physical Therapy Students University of Louisville Louisville, Kentucky	October 1989
"Surgical Indications/Results in Pediatric Scoliosis" "Surgical Treatment in Adult Scoliosis" Blount - Schmidt Spinal Symposium Milwaukee, Wisconsin	October 1989
"Spinal Cord Monitoring" "CD for Spinal Deformity - History and Development" "Use of Zielke Instrumentation"	

"Inflammatory Arthritis, Ankylosing Spondylitis" Moderator - Thoracolumbar Fractures Spinal Deformities Update, Albany Medical College Albany, New York	October 1989
Spine Instrumentation Tutorial Director and Tutor Louisville, Kentucky	January 1990
"Zielke Instrumentation" "CD Instrumentation" Spine Instrumentation Update Charlotte Memorial Hospital and Research Center Speaker and Hands On Instructor Charlotte, North Carolina	January 1990
Forsythe Hospital Visiting Professor Winston Salem, North Carolina	March 1990
"CD Applied to Kyphosis" "CD in Low Back Problems" "CD in Salvage Procedures" First Asian CD Workshop Speaker and Hands On Instructor Singapore	May 1990
"Treatment of Thoracolumbar Spine Trauma" "Surgical Treatment of Kyphosis" "Selection Fusion Levels for Surgical Treatment of Scoliosis with CD Instrumentation" Orthopaedic Section Puerto Rico Medical Association Annual State Convention San Juan, Puerto Rico	August 1990
"Adult Scoliosis" "Reconstructive Problems" "Hook Plans" Texas Scottish Rite Hospital Spinal Course Kauai, Hawaii	September 1990
"Stabilization Techniques for Lumbar Spine Instability Problems" Bluegrass Orthopaedic Society Lexington, Kentucky	October 1990
Scoliosis Research Society Tutorial CD Instrumentation – Comprehensive Director and Tutor Louisville, Kentucky	November 1990



<p>"CD Hook Patterns for Scoliosis, Kyphosis and Fractures"  G.I.C.D. - U.S.A.  Los Angeles, California</p>	<p>November 1990</p>
<p>TSRH Instrumentation Tutorial  Sponsored by POSNA  Speaker and Case Discussor  Dallas, Texas</p>	<p>December 1990</p>
<p>"Indications for Arthrodesis"  "Indications for Instrumentation"  "Pedicle Anatomy"  "Biomechanics of Bone Screws"  "Fusion Technique"  "Instrumentation Technique"  Medical College of Virginia  Virginia Commonwealth University  Case Presentations and Hands On Instructor  Richmond, Virginia</p>	<p>January 1991</p>
<p>"Zielke"  "CD"  Spine Instrumentation Update  Hands On Course for Residents  Carolinas Medical Center  Miller Orthopaedic Clinic  Charlotte, North Carolina</p>	<p>January 1991</p>
<p>"Current Hook Patterns"  "Complications - Types, Cause and Treatment"  G.I.C.D. - U.S.A. Faculty  Dallas, Texas</p>	<p>February 1991</p>
<p>"Methods Available for Treatment of Adult and Adolescent Lumbar Scoliosis"  "Surgical Treatment of Thoracolumbar and Lumbar Fractures"  Spinal Outlook  Asheville, North Carolina</p>	<p>April 1991</p>
<p>"Current Hook Patterns"  "An Alternate Approach"  "Complications - Type, Cause and Treatment"  G.I.C.D. - U.S.A. Faculty  Chicago, Illinois</p>	<p>April 1991</p>

"Current Hook Patterns"  
 "An Alternative Approach"  
 "Complications - Type, Cause and Treatment"  
 G.I.C.D. - U.S.A. Faculty  
 Philadelphia, Pennsylvania June 1991

"Current Concepts in Spinal Fixation and Scoliosis"  
 Current Orthopaedic Concepts  
 American Academy of Orthopaedic Surgeons  
 Chattanooga, Tennessee June 1991

Heinig Society  
 Case Presentations  
 Savannah, Georgia August 1991

"Spine Fractures"  
 Physical Therapy Students  
 University of Louisville  
 Louisville, Kentucky August 1991

"Instruments"  
 Isola Spinal Implant Principles and Practice  
 Clinical Presentations and Work Shop  
 Kansas City, Missouri September 1991

"CD Instrumentation in Idiopathic Scoliosis"  
 "Vertebral Corpectomy in Treatment of Severe Rigid Spinal Deformities"  
 "Hook Patterns for Idiopathic Scoliosis"  
 Scoliosis Research Society Annual Meeting  
 Minneapolis, Minnesota September 1991

First Annual Tulane – Louisville Fellows Meeting  
 Tulane University  
 Visiting Professor and Moderator  
 New Orleans, Louisiana October 1991

"Implants and Tools"  
 Advanced Spinal Instrumentation for Degenerative Disease - The Isola System  
 University of Miami School of Medicine Department of Orthopaedics and Rehabilitation  
 Hands-On - Transpedicular Vertebrectomy  
 Miami, Florida March 1992

"Complications and Pitfalls" and "Scoliosis"  
 First Annual Spine Symposium: A Contemporary Update on Disorders of the Spine  
 HCA Center for Research Education  
 Nashville, Tennessee March 1992

"Anatomy of Pedicular Instrumentation and Surgical Technique"

"Etiology, Detection and Treatment of Lumbar Pseudoarthrosis"  
The Lumbar Spine: Surgical Treatment and Instrumentation  
University of Texas Health Science Center  
San Antonio, Texas  
March 1992

"Neurologic Injury"  
"Major Spondylolisthesis"  
"Infection - Acute, Late"  
"Pseudoarthrosis"  
"The Osteopenic Patient"  
"Bone Graft Substitutes"  
American Academy of Orthopaedic Surgeons  
Current and Controversial Problems for The Spine Surgeon: An Advanced Course.  
Miami, Florida  
April, 1992

"Degenerative Lumbar Scoliosis"  
Columbia Orthopaedic Society  
Columbia, South Carolina  
April 1992

Pedicle Fixation of the Lumbar Spine  
Techniques in Pedicle Screw Insertion  
Hands on Lab  
When to Use Pedicle Screws - Discussor  
Infection, Pseudoarthrosis, Degeneration Above or Below the Fusion - Discussor  
Anterior versus Posterior Lumbar Interbody Fusion: Logistics and Problems - Discussor  
Scoliosis Research Society and North American Spine Society  
Phoenix, Arizona  
April 1992

"Clinical Applications - Trauma"  
"Clinical Applications - Scoliosis and Related Deformities"  
Isola Spinal System: Principles and Practice  
University of Kansas Medical Center  
Kansas City, Kansas  
July 1992

"Lumbar Degenerative Disc Disease"  
University of Mississippi Medical Center  
Visiting Professor  
Jackson, Mississippi  
October 1992

"Galveston Bend vs. Iliac Screws"  
Spine Symposium  
Jewish Hospital, Course Chairman  
Louisville, Kentucky  
November 1992

South Broward Hospital District  
TSRH Tutorial - Hands On  
Visiting Professor

Hollywood, Florida	November 1992
"Management of Idiopathic Scoliosis" "Fracture Fixation Devices" Loyola University Visiting Professor Maywood, Illinois	November 1992
St. Louis University School of Medicine Practical Anatomy and Surgical Technique Workshop Thoracolumbar Spine Surgery St. Louis, Missouri	January 1993
"Why Do Instrumented Fusions?" "Are Plates a Good Alternative to Rods?" "Why Dynalok?" and Case Presentation Danek Group - National Sales Meeting Memphis, Tennessee	January 1993
Visiting Surgeon and Lecturer Rehabilitation Institute for Handicapped and Disabled Guest Surgeon at Dacca Medical College Medical Volunteer, Bangladesh Dacca, Bangladesh	February, 1993
"Myelomeningocele" Wake Forest University Bowman Gray School of Medicine Visiting Professor Surgical Demonstration - Adult Scoliosis Winston-Salem, North Carolina	March 1993
"Techniques in Pedicle Screw Insertion" "Dynalok Fixation System" "Complications and Problems" SRS/NASS Pedicle Fixation of the Lumbar Spine and Other Advanced Techniques Faculty and Speaker Orlando, Florida	May 1993
"Degenerative Disorders: Preoperative planning, intraoperative execution, outcome, and problem solving" "Deformity: Preoperative planning, intraoperative execution, outcome, and problem-solving from several different vantage points" Surgical Management of Spinal Deformity and Mechanical Insufficiency: with Emphasis on the Isola Spinal Implant System Kansas City, Missouri	July 1993
"How to Continue to Learn"	

Tulane-Louisville Spine Society Meeting Sante Fe, New Mexico	November 1993
"Spine Surgery" Bullitt Lick Middle School Presentation to sixth grade science class Bullitt County, Kentucky	November 1993
Visiting Surgeon and Lecturer Rehabilitation Institute for Handicapped and Disabled Guest Surgeon at Dacca Medical College Medical Volunteer, Bangladesh Dacca, Bangladesh	February 1994
Visiting Surgeon and Lecturer City Hospital #67, Moscow Burdenko Neurosurgical Institute Academy of Medical Science, Russia	September 1994
"Kyphosis" Department of Orthopaedic Surgery University of Louisville Louisville, Kentucky	October 1994
Presentation/Workshop EBI Medical Systems Parsippany, New Jersey	January 1995
"Posterior Constructs: Hook & Screw Constructs" "Anterior vs. Posterior Instrumentation - Thoracolumbar and Lumbar Curves" "Maintenance and Correction of Sagittal Plane Iatrogenic Problems" Total Spine: Advanced Concepts and Constructs Cancun, Mexico	January 1995
Visiting Surgeon and Lecturer Rehabilitation Institute for Handicapped and Disabled Guest Surgeon at Dacca Medical College Medical Volunteer, Bangladesh Dacca, Bangladesh	February 1995
Microdiscectomy Instructional Course Hal Matthews, M.D. Richmond, Virginia	April 1995
2nd Isola Study Group Meeting Corpectomy for Scoliosis Chicago, Illinois	April 1995
Ft. Wayne Orthopaedic Society	

Grand Rounds  
Parkview Memorial Hospital  
Ft. Wayne, Indiana April 1995

“Perspective: Place of both Anterior and Posterior Approaches for Scoliosis”  
“Place of Vertebrectomy in Deformity - Technique”  
“Pedicule Fixation in 1995. Indications, Technique, Complications”  
“Spinal Stenosis - Lumbar Decompression, Fusion?”  
Current Concepts in Spinal Surgery  
Fiji Islands August 1995

“Current Status of Pedicle Screws”  
Kentucky Orthopaedic Society  
Lexington, Kentucky September 1995

“The Burst Fracture: Surgical Techniques”  
The Injured Spine: A Spinal Trauma Symposium  
Pittsburgh, Pennsylvania September 1995

Training for Scoliosis School Screening  
Audubon Regional Medical Center  
Louisville, Kentucky October 1995

“Thoracolumbar Fractures”  
“Adult Scoliosis”  
Basic Principles of the Treatment of Spinal Deformity: Disorders of the Adult Spine  
Cleveland, Ohio November 1995

“Vertebrectomy in Deformity.. Indications and Technique”  
“Spinal Stenosis...Lumbar decompression, Where to do instrumented fusion”  
“Concept of Fracture Treatment”  
Current Concepts of Spinal Instrumentation  
San Francisco, California December 1995

“Spinal Deformities”  
Intermediate Spine Training Class, Synthes Spine  
Paoli, Pennsylvania February 1996

Advanced Technique in Spinal Surgery  
“Vertebrectomy in Spinal Deformity”  
“Pedicule Fixation – 1996 – Indications & Contraindications”  
Keystone, Colorado March 1996

“Surgical Treatment of Scoliosis in Patients with Cerebral Palsy”  
Tulane-Louisville Fellows Meeting  
Atlanta, Georgia April 1996

“Surgical Treatment of Scoliosis in Patients with Cerebral Palsy”  
Fourth Isola Study Group Meeting

Chicago, Illinois	May 1996
“Planning & Execution for de novo Degenerative Scoliosis” “Foraminal PLIF in the Lumbar Spine” Current Concepts of Spinal Instrumentation Washington, D.C.	May 1996
“Anterior Lumbar Approach: ALIF” “Corpectomy with Reconstruction and Posterior Instrumentation and/or Anterior Instrumentation” 3rd International Meeting on Advances Spine Techniques Munich, Germany	June 1996
Risser Memorial Lecturer, Los Angeles Orthopaedic Hospital “Selection of Fusion Levels for Scoliosis Surgery” ”Lumbar Fusions: Indications and Techniques” “Instrumentation for Spine Surgery” Los Angeles, California	July 1996
Contemporary Issues of Spinal Reconstruction “Vertebrectomy in Deformity” “PLIF in the Lumbar Spine...The Transforaminal Approach” “Planning for de novo Degenerative Scoliosis” “Spinal Stenosis...Decompression with/without Instrumented Fusion” Vancouver, B.C. Canada	August 1996
Future Challenges to Spine Surgery “Planning & Execution for de novo Degenerative Scoliosis” New Orleans, Louisiana	September 1996
“Fusion Level Selection for Idiopathic Scoliosis Surgery” “Technique for ALIF and Transforaminal PLIF” “Denovo Degenerative Scoliosis” 3rd Combined Meeting Spinal & Paediatric Sections of Western Pacific Orthopaedic Association Kochi, Japan	November 1996

“Spinal Trauma”  
 “Lumbar Interbody Fusion, Role and Selection of Approach”  
 “Anterior Decompression and Fusion for Cervical Spondylotic Myelopathy”  
 “Management of Spinal Deformity in Spina Bifida”  
 “Management of Post-Traumatic Kyphotic Deformities”  
 Singapore Orthopaedic Association Scientific Meeting  
 Singapore November 1996

“Rehabilitation of Spinal Cord Injuries”  
 “Neuromuscular & Associated Causes of Scoliosis”  
 AAOS Comprehensive Review Course 1997  
 Chicago, Illinois March 1997

”De novo Degenerative Scoliosis: Treatment Algorithm and Classification”  
 “Definition of Anterior Column Deficit and Materials to Support the Deficit”  
 “Vertebrectomy: Indications and Technique”  
 Advanced Theory and Techniques in Spinal Surgery  
 Squaw Valley, California March 1997

“Definition of Anterior Column Deficit and Materials”  
 Tulane-Louisville Fellows Meeting  
 New Orleans, Louisiana April 1997

“Spinal Fusion: Current Controversies”  
 “Anterior Cervical Reconstruction using Titanium Mesh in the Treatment of Degenerative  
 Cervical Spine”  
 3rd Stryker Cage Meeting Moderator  
 Bruges, Belgium April 1997

“Surgical Approaches to the Spine - Lumbar & Thoracic”  
 The Nurse and Spinal Surgery  
 Lutheran Hospital  
 New Orleans, Louisiana June 1997

“Operating in Developing Countries”  
 Fracture Treatment Controversy: Thoracolumbar Burst Fracture, Anterior Only - Panelist  
 Instrumentation in the Thoracocervical Junction - Round Table Leader  
 Midline Endoscopic Device for Spinal Surgery - Moderator  
 Problems in Diagnosis and Treatment of Degenerative Lumbar Spine - Panelist  
 4th International Meeting on Advanced Spine Techniques  
 Bermuda July 1997

“Rotational Corpectomy”  
 “Fusion Level Selection in Deformity Surgery”  
 4th Annual Society for the Study of Surgical Technique for Spine and Spinal Nerves  
 Tokyo, Japan September 1997

“Phenomena of Cages”



Osteonics Spine Team Meeting New Orleans, Louisiana	September 1997
“Fusion Level Selection in Deformity Surgery” “De Novo Scoliosis: Treatment and Classification” “Spinal Stenosis” National Scoliosis Foundation Meeting Boston, Massachusetts	October 1997
“Vertebrectomy for Treatment of Spinal Deformity” “De Novo Scoliosis: Treatment and Classification” “Spinal Stenosis” “Fusion Level Selection in Deformity Surgery” DePuy Motech Metro Meeting New Orleans, Louisiana	November 1997
“Adult Spinal Deformity: Kyphosis and Degenerative Scoliosis” AAOS Review Course New Orleans, Louisiana	December, 1997
“Complications of ALIF and PLIF” Methods of Interbody Fusion of the Spine New York City, New York	December, 1997
“Definition of Anterior Column Deficit: A Clinical View” “Cervical Corpectomy: Technique” “Pedicule Screws in 1998” Thoracolumbar Trauma - Panelist Snowmass Spinal Seminar Snowmass, Colorado	January 1998
“Status of Scoliosis” Grand Rounds St. Mary’s Medical Center Evansville, Indiana	April 1998
“Anterior Surgery for Idiopathic Scoliosis” “Use of Pedicle Screws in the Treatment of Scoliosis” Controversies and Challenges in Spinal Deformities, Thoracolumbar and Cervical Surgery Key Largo, Florida	April, 1998
“Rehabilitation of the Spinal Cord Injury Patient” “Neuromuscular and Other Causes of Scoliosis” AAOS Review Course Chicago, Illinois	May, 1998
“Cervical Corpectomies” “Anterior Fusion for Idiopathic Scoliosis”	

Tulane-Louisville Fellows Meeting Williamsburg, Virginia	May, 1998
“Selection of Fusion Levels for Scoliosis” “Anterior Fusion for Idiopathic Scoliosis” “Neuromuscular & Other Causes of Scoliosis” “Rehabilitation of the Spinal Cord Injury” 18 <sup>th</sup> Asian Orthopaedic Association Meeting Singapore	October, 1998
“Evaluation of Persistent Postoperative Leg Pain: Differential Diagnosis of Sciatica” “Role of Posterior Lumbar Interbody Fusion (PLIF)” “Circumferential (360°) Fusion” Moderator: Axial Pain Contemporary Issues in Spine Surgery Sarasota, Florida	March, 1999
“Complications of PLIF” “Multiple Level Fusion, Fusion to the Sacrum and T-L Junction” Complications of Spinal Fusion of the Lumbosacral Spine Squaw Valley, California	March, 1999
“Surgical Technique: A Modified TLIF” T.L.I.F. Course Bethesda, Maryland	April, 1999
“Evaluation of Persistent Postoperative Leg Pain: Differential Diagnosis of Sciatica” “Multi-Level Fusion, Fusion to the Sacrum and T-L Junction” “Spondylolisthesis” Tulane-Louisville Meeting New Orleans, Louisiana	April, 1999
“Rehabilitation of the Spinal Cord Injury Patient” “Neuromuscular and Other Causes of Scoliosis” AAOS Review Course Chicago, Illinois	May, 1999
“Lumbar Spine Instrumentation: Evaluation and Clinical Experience” Challenges to Spine Surgery Symposium Cancun, Mexico	May, 1999
“Anterior Fusion for Idiopathic Scoliosis” Isola Study Group Meeting Charlotte, North Carolina	May, 1999
Interbody Fusion Cages/Devices Stryker/Osteonics Cage Meeting Moderator	

Salzburg, Austria	June, 1999
<p>“Persistent Leg Pain”  “Modified TLIF Surgical Technique”  TLIF Course Faculty  St. Louis, Missouri</p>	June, 1999
<p>“Transforaminal Lumbar Interbody Fusion (TLIF)”  Grand Rounds  University of Chicago  Chicago, Illinois</p>	August, 1999
<p>EBI Meeting  Omega-21 Instructor  Las Vegas, Nevada</p>	October, 1999
<p>“Transforaminal Lumbar Interbody Fusion”  “Anterior Fusion for Idiopathic Scoliosis”  “Evaluation of Persistent Postoperative Leg Pain”  Sociedad Argentina de Patologia de la  Columna Vertebral Meeting  Punta del Este, Uruguay</p>	November, 1999
<p>“Late Effects of Scoliosis Fusion”  12<sup>th</sup> Annual Ski With the Spine Center, A Contemporary Update on Disorders of the Spine  Whistler, British Columbia, Canada</p>	January, 2000
<p>“Long Anterior Instrumentation for Scoliosis”  “Corpectomy... Cervical, Thoracic and Lumbar”  Panelist: Adolescent Deformity  SKI 2000 with “Big Time Spine ” Meeting  Snowmass, Colorado</p>	January, 2000
<p>“Anterior Management of Degenerative Disease of the Cervical Spine”  AO/ASIF MEETING  St. Louis</p>	March, 2000
<p>“Platelet Gel”  Tulane Louisville Fellows Annual Meeting  Miami, Florida</p>	April, 2000
<p>“Rehabilitation of the Spinal Cord Injury Patient”  “Neuromuscular and Other Causes of Scoliosis”  AAOS Review Course  Chicago, Illinois</p>	May, 2000
<p>Instructor, Omega-21 System  EBI Meeting  St. Thomas, Bahamas</p>	May, 2000

“Spondylolisthesis in Athletes”  
 2<sup>nd</sup> Annual UK Wildcat Sports Medicine Symposium  
 University of Kentucky  
 Lexington, Kentucky May 2000

Synthes Advanced Spine Training Course  
 Anterior and Posterior Cervical Spine Surgery & Instrumentation  
 Faculty & Surgeon  
 St. Louis, Missouri June, 2000

“Bilateral TLIF – Indications, Complications, Techniques, Clinical Results & Future Direction”  
 “Vascular Anatomy & Approach Considerations”  
 Non-Threaded Innovations in Lumbar Interbody Fusion  
 Sante Fe, New Mexico August, 2000

“3-D Pathology Secondary to Degenerative Disc Disease and its Treatment; Degenerative  
 Scoliosis”  
 “TLIF with Mesh Cages”  
 Surgical Treatment Options for Chronic Mechanical Low Back Pain  
 Practical Anatomy Workshop  
 St. Louis, Missouri November, 2000

“Lumbar Fractures”  
 Fractures Above the Belt  
 Texas Tech Meeting  
 Sante Fe, New Mexico January, 2001

“TLIF”  
 Grand Rounds  
 Ft. Wayne, Indiana March, 2001

“Review of the literature related to interbody fusion, cages”  
 7<sup>th</sup> Interbody Technologies Meeting  
 Hong Kong March, 2001

“Artificial Disc Replacement”  
 Tulane-Louisville Fellows Meeting  
 New Orleans, Louisiana April, 2001

“Indications & Benefits of Electrical Stimulation”  
 Grand Rounds  
 University of Kentucky School of Medicine  
 Lexington, Kentucky August, 2001

“Bilateral TLIF – Indications, Complications, Techniques, Clinical Results & Future  
 Direction”  
 “Vascular Anatomy & Approach Considerations”  
 Non-Threaded Innovations in Interbody Spine Surgery  
 Denver, Colorado August, 2001

“Bilateral TLIF – Indications, Complications, Techniques, Clinical Results & Future Direction”  
 Interbody Challenges Discussion Group  
 Palm Beach, Florida November, 2001

“Clinical Experience with an Artificial Disc”  
 Challenges to Spine Surgery Symposium  
 New Orleans, Louisiana December, 2001

“TLIF & TPLIF (Transforaminal Approaches)”  
 “Exposure & Extraperitoneal approach to the anterior lumbar spine”  
 Advanced Techniques for Interbody Fusion of the Lumbar Spine  
 St. Louis, Missouri December, 2001

“Bilateral Transforaminal Interbody Fusion”  
 Interbody Challenges of the Lumbar Spine Discussion Group  
 New Orleans, Louisiana February, 2002

Visiting Surgeon and Lecturer  
 Rehabilitation Institute for Handicapped and Disabled  
 Dacca, Bangladesh  
 Guest Surgeon at Dacca Medical College  
 Medical Volunteer, Bangladesh February 2002

“Adult Scoliosis: 360°”  
 Point – Counterpoint: Issues in Advanced Spinal Surgery  
 Miami Beach, Florida March, 2002

“Management of Cervical Spine Degenerative Disc Disease/Trauma  
 Chairman  
 Synthes Bioskills Workshop  
 Louisville, Kentucky June, 2002

“Consideration for the Anterior Lumbar Approach”  
 Interbody Fusion Course – PAWS Lab  
 TLIF Demo  
 Pedicle Screw Fixation Demo  
 ALIF Cages/Spacers Demo  
 Thoracic Abdominal Approach T12 – L1 Demo  
 St. Louis, Missouri October, 2002

“Lumbosacral approaches”  
 “Technique of cervical corpectomy”  
 “Fusion level selection in scoliosis surgery”  
 INTERNATIONAL CONFERENCE ON SPINAL SURGERY  
 Beijing and Chongquin, China October, 2002

<p>“Long anterior instrumentation for scoliosis”  “Selection of fusion levels in adolescent idiopathic scoliosis”  “Platelet gel for spinal fusion”  Summitt Spine Meeting  Miami Beach, Florida</p>	<p>November, 2002</p>
<p>“Nonoperative Management of TL Trauma”  “Ankylosing Spondylitis”  AO ASIF COURSE  Sun Valley, Idaho</p>	<p>February, 2003</p>
<p>“Nonoperative Management of TL Trauma”  “Ankylosing Spondylitis”  Tulane-Louisville Spine Meeting  Atlantis, Bahamas</p>	<p>April, 2003</p>
<p>“Selection of Fusion Levels”  Argos Meeting  Moderator  Farmington, Pennsylvania</p>	<p>August, 2003</p>
<p>“Clinical Experience with the SB Charite III”  EBI Meeting  Course Co-Chairman  New Orleans, Louisiana</p>	<p>September, 2003</p>
<p>“Considerations for the Anterior Lumbar Approach”  “Artificial Disc Replacement”  Interbody Fusion &amp; Pedicle Screw Fixation  PAWS Lab  St. Louis, Missouri</p>	<p>November, 2003</p>
<p>Surgeon Panel  “Disc replacement, BMP, post-op management”  Orthofix Sales Meeting  Paradise Island, Bahamas</p>	<p>January, 2004</p>
<p>“Artificial Disc Replacement”  Kentucky Spine Institute Meeting  Lexington, Kentucky</p>	<p>March, 2004</p>
<p>“Artificial Disc Replacement”  Journal Club, Jewish Hospital  Louisville, Kentucky</p>	<p>July, 2004</p>
<p>Charite Artificial Disc Sales Training Meetings  Cincinnati, Ohio  Chicago, Illinois</p>	<p>August, 2004  August, 2004</p>

Toronto, Canada	September, 2004
Dallas, Texas	September, 2004
“Artificial Disc – Current Concepts” Trauma Symposium Degeneration – Balance, Balance, Balance “Scoliosis” ACSS Annual Meeting & Review Course Scottsdale, Arizona	September, 2004
Surgical Demonstration and Teaching of the Charite Artificial DiscSystem Madrid, Spain Barcelona, Spain Canary Islands	October, 2004
“Considerations for the Anterior Lumbar Approach” Current Issues and Techniques in Complex Lumbar Surgery Practical Anatomy Workshop St. Louis, Missouri	November, 2004
Charite Artificial Disc Trainer – Tissue Lab The Center for Spine Arthroplasty Cincinnati, Ohio	2004 – 2005
“Complications of Lumbar Artificial Disc Replacement vs Fusion: Results from the randomized, Multicenter FDA IDE Study of the Charite Artificial Disc” Spinal Arthroplasty Society Annual Meeting (SAS) New York City, New York Received Best Paper Award	May, 2005
“Scoliosis – Congenital”, “Scoliosis – AIS” “Disc Arthroplasty – One year later” ACSS Review Course Riverside, California	July, 2005
“Disc Arthroplasty – One year later” Dayton, Medical Society Dayton, Ohio	August , 2005
“Artificial Disc – Current Concepts” Grand Rounds Orthopaedic Surgery Residency Program Wright State University Dayton, Ohio	August, 2005
“Artificial Disc Replacement”	

Baptist East Hospital Surgical Staff Louisville, Kentucky	October, 2005
“The Role of Constraint in Prosthesis Design” First Annual Spine Arthroplasty Summit 2006 Salt Lake City, Utah	February, 2006
“Current Status of Artificial Disc: Anterior Exposure in Lumbar Spine” Preservation of Motion in the Spine Meeting Duck Key, Florida	April, 2006
Scoliosis” American College of Spine Surgery Annual Meeting Colorado Springs, Colorado	May, 2006
“PLIF and TLIF Techniques” “Lumbar Disc Arthroplasty Techniques” Advanced Techniques in Spinal Decompression & Fixation PAWS Lab St. Louis, Missouri	May, 2006
“Artificial Disc Replacement Surgery – Update” 15 <sup>th</sup> Annual Workers Compensation Seminar” Louisville, Kentucky	June, 2006
“Thoughts on New Spine Technologies” Danek/Medtronic Meeting Louisville, Kentucky	October, 2006
“Pearls, Pitfalls, Complications, Salvage Techniques of ALIF” “Clinical experience with disc arthroplasty/cases” PAWS Lab St. Louis, Missouri	November, 2006
“Non Operative Treatment” – 10 minutes, Friday “Scoliosis and de novo scoliosis – Treatment options” – 20 minutes, Saturday MERC Vail Course Vail, Colorado	January, 2007
“When it fails – Diagnosis Revision Strategy and Techniques” Stryker Spine International Symposium Lisbon, Portugal	April, 2007
“Scoliosis” American College of Spine Surgeons Annual Meeting Nashville, Tennessee	May, 2007
“Artificial Disc: Indications, Techniques, Revision, Philosophy” Grand Rounds Department of Neurosurgery	



University of Kentucky School of Medicine  
Lexington, Kentucky

May, 2007

“Osteomyelitis”  
Jewish Hospital Nurses  
Louisville, Kentucky

October, 2007

“Spondylolisthesis”  
“TLIF” and demonstration  
“Hematogenous discitis and osteomyelitis in immunologically compromised patients”  
Demonstration “Total lumbar disc replacement”  
CURRENT & EMERGING ISSUES IN COMPLEX LUMBAR SPINE SURGERY  
St. Louis, Missouri

November, 2007

## **PUBLICATIONS**

Johnson JR, Leatherman KD, Holt RT: Anterior Decompression of the Spinal Cord for Neurologic Deficit. *Spine*, Vol 8 (4): 396-405, May-June 1983

Henry S, Rosenberg S, Johnson JR, Holt RT: Cotrel Dubousset Instrumentation in The Unstable Spine. *Southern Medical Journal*, 79:9, 1986

Johnson JR and Holt RT: Combined Use of Anterior and Posterior Spine Surgery for Adult Scoliosis. *Orthop Clin North AM*, Vol 19, (2) 361-70, April 1988

Horton WC, Holt RT, Leatherman KD, Johnson JR: Zielke Instrumentation in Idiopathic Scoliosis: Late Effects and Minimizing Complications. *Spine*, Vol 13 (10), 1145-9, October 1988

Edmonds HL, Paloheimo M, Backman MH, Johnson JR, Holt RT, Shields CB: Transcranial Magnetic Motor Evoked Potentials (tc MMEP) for Functional Monitoring of Motor Pathways During Scoliosis Surgery. *Spine*, Vol 14 (7), 683-6, July 1989

Puno RM, Johnson JR, Osterman PA, Holt RT: Analysis of Primary and Compensatory Curves Following Zielke Instrumentation for Idiopathic Scoliosis: *Spine*, 14 (7), 738-43, July 1989

Holt RT and Johnson JR: Cotrel Dubousset Instrumentation in Neurofibromatosis Spine Curves: A Preliminary Report. *Clinical Orthopaedics and Related Research*, Number 245, 19-23, August 1989

Henry S, Rosenberg S, Osterman P, Holt R, Johnson J: Management of Unstable Fractures of the Spine with the Cotrel Dubousset Instrumentation. *Langenbecks Archiv Fur Chirurgie*, Springer - Verlag, Heidelberg, Seiten: 1-6, 1 Korr: 5.90 1989

Glassman S, Johnson J, Holt R: Seat Belt Injuries in Children. *Journal of Trauma* 1990 33(6): 882-6 1992 December

Puno R, Grossfeld S, Johnson J, Holt R: Cotrel Dubousset Instrumentation in Idiopathic Scoliosis. *Spine* Vol 17 (8 Suppl) S258-62 August 1992

Young MJ and Holt RT: Infections of the Spine. *BACKTALK* Vol. 16, No. 3, September 1993.

Werner JG and Holt RT: Neuropathic Spinal Arthropathy: A Case History and Six Year Follow-up. *Journal of the Kentucky Medical Association*, February 1995, Vol. 93, No. 2 48-52

Williams JI and Holt RT: Ask the Doctor. *BACKTALK*, Vol. 18, No. 3, November/December, 1995.

Horton WC, Holt RT and Muldowny DS: Controversy: Fusion of L5-S1 in Adult Scoliosis. *SPINE*, Vol. 21, No. 21, 2520-2522, 1996.

Majd ME, Muldowny DS and Holt RT: Natural History of Scoliosis in the Institutionalized Adult Cerebral Palsy Population. *SPINE*, July 1, 1997, Vol. 22, No. 13 1461-1466

Majd ME and Holt RT: Anterior fibular strut grafting for the treatment of pseudoarthrosis in spondylolisthesis. *Am J Orthop*, Feb. 2000, Vol. 29, No. 2: 99-105.

Majd ME, Vadhva M and Holt RT: Anterior Cervical Reconstruction using Titanium Cages With Anterior Plating. *SPINE*, Vol. 24, No. 15, 1604-1610, August, 1999.

Majd ME, Castro FP and Holt RT: Anterior fusion for idiopathic scoliosis. *SPINE*, Vol. 25, No. 6, 696-702, March 15, 2000.

Castro FP, Holt RT, Majd ME and Whitecloud TE: A cost analysis of two anterior cervical fusion procedures. *J Spinal Disorder*, 13:6:511-514, 2000.

Young MJ and Holt RT: Infections of the Spine. *Biomed*, Vol. 8, No. 3, April 2001, 8-10.

Majd ME, Holt RT and Castro FP: Artificial disc replacement: a revolutionary treatment for degenerative disc disease. *Louisville Medicine*, Vol. 49, No. 4, September 2001 147-150.

Hee HT, Majd ME, Holt RT and Pienkowski D: Better treatment of vertebral osteomyelitis by using posterior stabilization and titanium mesh cages. *J Spinal Disord Tech* 2002 Apr; 15(2):149-56.

Hee HT, Castro FP, Majd ME, Holt RT and Myers L: Anterior/Posterior Lumbar Fusion versus Lumbar Interbody Fusion: Analysis of Complications and Predictive Factors. *J Spinal Dis* 14:6 533-540, 2001.

Holt RT, Majd ME and Castro FP: Selection of Fusion Levels in Scoliosis Surgery. *J Spinal Disord Tech* 16:1 71-82, 2003.

Hee HT, Majd ME, Holt RT, Whitecloud TS, Pienkowski D: Complications of Multilevel Cervical Corpectomies and Reconstruction with Titanium Cages and Anterior Plating. *J Spinal Disord Tech* 16:1 1-9, 2003.

Hee HT, Majd ME, Holt RT and Myers L: Do autologous growth factors enhance transforaminal lumbar interbody fusion? *Eur Spine J* (2003) 12:400-407.

Majd ME, Vadhva M, Holt RT: The Efficacy of Anterior Spine Exposure by An Orthopedic Surgeon. *J Spin Disorders Tech*, Vol 16, No. 5, 477-486, 2003.

## **BOOK CHAPTERS**

Leatherman KD, Johnson JR, Holt RT, Broadstone P: A Clinical Assessment of 357 Cases of Segmental Spine Instrumentation. Chapter 8, *Segmental Spinal Instrumentation*. Thorofare: Slack, Inc. 1984

Johnson JR, Holt RT: Injuries to Extremities. Chapter in *Basic Surgery, Third Edition*

Reszaian SM, Ghista DN, Holt RT, Johnson JR: Biomechanics and Treatment of Thoracolumbar Spinal Fractures. *Spinal Cord Injury Medical Engineering*. Springfield: Charles C. Thomas, 1986

Holt RT: Thoracic and Lumbar Spinal Fusions. Operative Spinal Surgery (Practice of Surgery Series). Frenchay Health Authority, Churchill Livingstone, London, England, 1991

Dopf CA, Holt RT: Adult Kyphosis. The Adult Spine: Principles and Practice. 2nd Edition. Drs. Frymoyer, Ducker, Hadler, Kostuik, Weinstein and Whitecloud, editors. Raven Press. New York, New York. 1996

Werner GJ, Holt RT: Dynalok Instrumentation in Lumbosacral Fusions. Lumbosacral and Spinopelvic Arthrodesis. 1996

McComis GP and Holt RT: Anterior Approaches to L5-S1. Spine: State of the Art Reviews, Vol. 11, No. 1, 1997. Adult L5-S1 Surgery. Hanley & Belfus, Inc., Philadelphia, Pennsylvania

Majd ME, Harkess JW, Holt RT, Madsen K, Mahan J: Revision Spine Surgery. Anterior approach to the Spine. 1999. Mosby-Year Book, Inc., Philadelphia, Pennsylvania, 1<sup>st</sup> ed. p. 138-155.

Majd ME, Richey JL, Holt RT: Treatment of Spinal Deformities in Myelodysplasia: Lumbar Kyphectomy. SPINE: State of the Art Reviews – Vol. 12, No. 1, January, 1998 91-102.

Pacheco HO, Holt RT and Majd ME: Spinal Deformity: Scoliosis-Indications for Vertebrectomy in: Anterior Spinal Column Reconstruction: Biomechanics, Rationale, and Techniques. Lippincott-Raven, 1999. In process.

Majd ME, Holt RT and Richey JL: Case 56. Spinal deformity in Myelodysplasia – Lumbar Kyphectomy. MasterCases Spine Surgery, Thieme, New York, 2001, 455-464.

Majd ME, Musser DH, Castro FP, and Holt RT: Anterior surgical approaches to the thoracic and lumbar spine. Spine Secrets: Questions and answers reveal the secrets to successful diagnosis and treatment of spinal disorders/ [edited by Vincent J. Devlin. Hanley & Belfus. Philadelphia, 194-202, 2003.

Majd ME, Farley S, and Holt RT: Preliminary outcomes and efficacy of the first 360 consecutive kyphoplasties for the treatment of painful osteoporotic vertebral compression fractures. The Spine Journal, 5 (3), May/June 2005, 244-255.

Holt RT, Majd ME, Isaza JE, Blumenthal SL, McAfee PC, Guyer RD, Hochschuler SH, Geisler, FH, Garcia R and Regan JJ: Complications of lumbar artificial disc replacement compared to fusion: results from the prospective, randomized, multicenter US Food and Drug Administration investigational device exemption study of the Charite Artificial Disc. SAS Journal, Winter 2007, Vol. 1:1, p 20-27.

## **BOOKS**

Editor, Management of Spinal Deformities, Spine: State of the Art Reviews, May 1992, Volume 6, Number 2. Hanley & Belfus, Inc., Philadelphia, Pennsylvania.

## **PAPERS PRESENTED**

Degenerative Lumbar Scoliosis Treated by Anterior/Posterior Fusion (Co-author with John J. Vaughan, M.D.)  
Kentucky Orthopaedic Society Meeting  
September, 1993  
Louisville, Kentucky

Intrathecal Morphine: Disastrous Results when coupled with Intravenous Morphine in the Post-Operative Period (Two Case Reports) (Co-author and presenter, Michael J. Young, M.D. and Marc A. Asher, M.D.)  
Scoliosis Research Society Annual Meeting  
September, 1994  
Portland, Oregon

Anterior Correction and Fusion of Idiopathic Scoliosis using TSRH Instrumentation (Co-author and presenter, Mohammad Esmaily-Majd, M.D. and Jorge E. Isaza, M.D.)  
Kentucky Orthopaedic Society Meeting  
April, 1995  
Lexington, Kentucky

Growing Rod: A New Technique  
(Co-author and presenter, Kevin A. Rahn, M.D. and Jorge E. Isaza, M.D.)  
Southern Orthopaedic Association Annual Meeting  
July, 1995  
Quebec City, Canada

Anterior Correction and Fusion of Idiopathic Scoliosis using TSRH Instrumentation (Co-author with Mohammad Esmaily-Majd, M.D. and Jorge E. Isaza, M.D.)  
Presented by Kevin A. Rahn, M.D.  
Southern Orthopaedic Association Annual Meeting  
July, 1995  
Quebec City, Canada

Musculoskeletal Infection Society  
Salmonella Vertebral Osteomyelitis: A Case Report  
(Co-authored with David S. Muldowny, M.D. and Jorge E. Isaza, M.D.)  
Presented by Gerald Wozasek, M.D.  
August, 1995  
Snowmass, Colorado

1997 AECT National Convention  
“Virtual Grand Rounds: Analysis of Physicians  
World-Wide Web-Based Collaboration”  
(Co-authored with Eggers D, Mazur JM, Ph.D. and Schuhmann NM)  
Presented by Joan Mazur, Ph.D.  
February, 1997  
Albuquerque, New Mexico

Scoliosis Research Society Meeting  
Inter-Observer Variations Assessing Vertebral Rotation with  
Nash-Moe and Perdriolle Methods  
(Co-authored with Francisco Londono, M.D. and Jorge Isaza, M.D.)  
Presented by Jorge Isaza, M.D.  
September, 1997  
St. Louis, Missouri

Anterior Cervical Reconstruction using Titanium Mesh in the Treatment  
Of the Degenerative Spine  
Anterior Correction and Fusion of Idiopathic Scoliosis  
Southern Medical Association Meeting  
Presented by Mohammad Majd, M.D.  
November, 1997  
Charlotte, North Carolina

## **POSTER EXHIBITS**

Resection of Vertebral Bodies for Correction of Spinal Deformity  
American Academy of Orthopaedic Surgeons  
New Orleans, Louisiana  
January 1982

Cotrel-Dubousset Instrumentation - Technique and Experience  
Scoliosis Research Society  
San Diego, California  
September 1985

Biomechanical Analysis of Cotrel-Dubousset  
American Academy of Orthopaedic Surgeons  
San Francisco, California  
January 1987

Analysis of Primary and Compensatory Curves Following Zielke  
Instrumentation for Idiopathic Scoliosis  
American Academy of Orthopaedic Surgeons  
Las Vegas, Nevada  
February 1989

An Analysis of 107 Cases of Single Stage Anterior and Posterior Spine Surgery  
Transpedicular "Eggshell" Vertebrectomy for Metastatic Disease of The Spine  
Scoliosis Research Society  
Amsterdam, The Netherlands  
September 1989

Selection of Fusion Levels for Cotrel-Dubousset Instrumentation in Idiopathic Scoliosis  
Scoliosis Research Society  
Honolulu, Hawaii  
September 1990

Corpectomy for Spinal Deformity  
Scoliosis Research Society  
Kansas City, Missouri  
September 1992

The Holt Staple  
Scoliosis Research Society  
Dublin, Ireland  
September, 1993

Non Paralytic Adult Galveston Instrumentation

Charcot Spinal Arthropathy  
Spine + Science + Management  
New Orleans, Louisiana  
November, 1993

Degenerative Lumbar Scoliosis treated by  
Combined Anterior and Posterior Spinal Fusion  
AAOS Annual Meeting  
New Orleans, Louisiana  
February, 1994

The Effect of Premarin on the Excessive Post Operative Drainage after Posterior  
Lumbosacral Vertebral Fusion  
Anterior TSRH Instrumentation for Scoliosis  
Use of the Kaneda Device for Thoracolumbar Fractures  
Non-Paralytic Adult Galveston Instrumentation: A Retrospective Analysis and Review  
Pedicle Screw Fixation: A Technique for Identifying the Entrance Point  
Anterior Fibular Strut Graft for Pseudoarthrosis in Patients with Spondylolisthesis  
The Simple Galveston Bend  
Scoliosis Research Society Annual Meeting  
September, 1994

Anterior TSRH Instrumentation for Scoliosis  
Use of the Kaneda Device for Thoracolumbar Fractures  
Holt Staple: A New Device for Anterior Fixation of the Spine  
2nd International Meeting on Advanced Spine Techniques  
Curacao, Netherlands Antilles  
April, 1995

Growing Rod: Our Experience with a New Technique  
Surgical Approaches to the Anterior Spine - Does the Qualified Spine Surgeon Need the  
Assistance of General Surgeons?  
Relation of Fusion Rate and Location of the Leads with Internal Bone Stimulators  
Natural History of Scoliosis and Kyphosis in Adult Cerebral Palsy  
Spine Surgery on the Internet  
Scoliosis Research Society Annual Meeting  
Asheville, North Carolina  
September, 1995

Vertebral Rotational-plasty: A Technique for Anterior Column Reconstruction  
Southern Medical Association  
89th Annual Scientific Assembly  
November, 1995

Natural History of Scoliosis and Kyphosis in Adult Cerebral Palsy  
Vertebral Rotational Plasty: A Technique for Anterior Column Reconstruction  
Spine Surgery on the Internet  
The Effect of Premarin on the Excessive Postoperative Drainage after Posterior  
Lumbar and Lumbosacral Vertebral Fusion



Growing Rod: Our Experience with a New Technique  
Kentucky Medical Society Annual Meeting  
Louisville, Kentucky  
September, 1996

Virtual Grand Rounds on the Internet  
Anterior Column Reconstruction using Titanium Cages in the Surgical Treatment of  
Malignant Tumors of the Spine  
Surgical Treatment of Scoliosis in Adult Cerebral Palsy  
Scoliosis Research Society Annual Meeting  
Ottawa, Canada  
October, 1996

Spine Surgery on the Internet  
North American Spine Society Annual Meeting  
Vancouver, British Columbia  
November, 1996

Anterior Cervical Reconstruction Using Titanium Mesh in the Treatment of Degenerative  
Cervical Spine  
Cervical Spine Research Society Annual Meeting  
Palm Beach, Florida  
December, 1996

Inter-observer Variations Assessing Vertebral Rotation with Nash-Moe and Perdriolle  
Methods  
Denovo Scoliosis Clinical Results with Operative Treatment  
4<sup>th</sup> International Meeting on Advanced Spine Techniques  
Bermuda  
July, 1997

Inter-observer Variations Assessing Vertebral Rotation with Nash-Moe and Perdriolle  
Methods  
Denovo Scoliosis Clinical Results with Operative Treatment  
Anterior Correction and Fusion of Idiopathic Scoliosis  
The Transforaminal Approach for Lumbar Interbody Fusion  
Scoliosis Research Society Annual Meeting  
St. Louis, Missouri  
September, 1997

Anterior Fusion for Scoliosis  
North American Spine Society Annual Meeting  
New York City  
October, 1997

Radiographic Classification of Degenerative Disc Disease  
Spinal Deformity in Myelodysplasia: A New Technique for Lumbar Kyphectomy

Scoliosis Research Society Annual Meeting  
San Diego, California  
September, 1999

Complications of Multi-Level Cervical Corpectomy and Reconstruction with Titanium Cages and Anterior Plating  
28<sup>th</sup> Annual Meeting of the Cervical Spine Research Society  
Charleston, South Carolina  
November, 2000

Complications of Multi-Level Cervical Corpectomy and Reconstruction with Titanium Cages and Anterior Plating  
Anterior/Posterior Lumbar Fusion vs. Transforaminal Lumbar Interbody Fusion: Analysis of Complications and Predictive Factors  
2001 Annual Meeting of the Spine Society of Europe  
Gothenburg, Sweden  
September, 2001

A report of the rate of additional, symptomatic vertebral compression fractures in osteoporotic patients who were treated by kyphoplasty  
Scoliosis Research Society Annual Meeting  
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