

## **CURRICULUM VITAE**

David F. Hubbard, M.D.  
Robert C. Byrd Health Sciences Center  
P.O. Box 9196  
Morgantown, WV 26506-9196  
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email: [dhubbard@wvu.edu](mailto:dhubbard@wvu.edu)

### **EDUCATION**

West Virginia University  
Morgantown, West Virginia  
B.A. Chemistry  
Summa Cum Laude 1985

Marshall University School Of Medicine  
Huntington, West Virginia  
M.D., 1989

### **POSTGRADUATE**

West Virginia University  
Morgantown, West Virginia  
1989-1994 Resident/Chief Resident in Orthopedic Surgery

University of Washington  
Harborview Medical Center  
Seattle, Washington  
1994-1995 Orthopedic Trauma Surgery Fellowship

### **CERTIFICATION**

Board Certified  
American Board Of Orthopedic Surgery  
Part I Exam, passed July 1994  
Part II Exam, passed July 1997  
Recertified, passed 3/01/2004

ATLS verification Oct 12,1999

### **LICENSURE**

West Virginia State Medical License, #17180, January 11, 1993  
Washington State Medical License, #025209 MD0031757,  
May 4, 1994

### **APPOINTMENTS**

Professor  
Chief of the Section of Orthopedic Trauma Surgery  
Director of Resident Education  
Department of Orthopedics  
West Virginia University  
July 2007 to present

Associate Professor  
Chief of the Section of Orthopedic Trauma Surgery  
Department of Orthopedics  
West Virginia University  
July 2001 – June 2007

Assistant Professor  
Chief of the Section of Orthopedic Trauma Surgery  
Department of Orthopedics  
West Virginia University  
August 1995 – July 2001

AO North American Faculty  
December 1995 - present

Clinical Faculty  
Orthopedic Surgery  
West Virginia School of Osteopathic Medicine  
January 1999 - present

## **SOCIETY MEMBERSHIPS**

American Academy of Orthopaedic Surgeons  
American Medical Association  
West Virginia Medical Association  
West Virginia Orthopedic Society  
Monongalia County Medical Society  
AO Alumni Association  
Orthopaedic Trauma Association  
American Orthopaedic Association

## **HONORS AND AWARDS**

Dean's Award For Excellence, West Virginia University School of  
Medicine, February 23, 2000

Vice President, West Virginia State Orthopaedic Society 2004-

2005

President, West Virginia State Orthopaedic Society 2006-2007

Immediate Past President WV State Orthopaedic Society 2007-2008

Reviewer for Journal of Injury 2005 – present

“Howard Rosen Award” for Table Instructor at AO Basic Principles and Techniques of Operative Fracture Management, Toronto, ON, November 12, 2008

Reviewer for CORR 2009 – present

2009 Quality Award, WVU Hospital

American Orthopaedic Association June 2009 - present

## **COMMITTEES**

North American Musculoskeletal Trauma Education Committee  
2009- present

Education Committee  
Orthopedic Trauma Association  
2008 – present

Chairman Promotion and Tenure Committee  
Department of Orthopaedics  
West Virginia University  
2007 - present

Promotion and Tenure Committee  
Department of Orthopaedics  
West Virginia University  
1995 - 1999

Multidisciplinary Trauma Quality Improvement  
Committee  
West Virginia University Hospital  
September 1995 to Present

Quality and Utilization Management Committee  
West Virginia University Hospital  
1996 to 2002

Pharmacy and Therapeutics Committee  
West Virginia University Hospital  
1996 to present

Trauma Center Committee  
1999 to present

Jon Michael Moore Trauma Center Research Committee  
1999 to present

Capital Budget Committee  
West Virginia University Hospital  
2000

Medical Executive Committee  
West Virginia University Hospital  
2000 to 2002, 2003-2004

Emergency Medicine Chair Search Committee  
2000

Member Board of Directors of the Marshall University School of  
Medicine Alumni Association 2002 – 2006

OTA Coding, Classification and Outcomes Committee, 2003 -  
2006

West Virginia University Hospitals Medical Executive Committee  
—  
2003-2004

WVU School of Medicine Academic and Professional Standards  
Committee -- 2006-10

Chairman of the Education Committee in the Department of  
Orthopaedics – 2008 to present

## **PUBLICATIONS**

Ringus VM, Lemley FR, Hubbard DF, Lian Y, Wearden S, and  
Jones DL. “Degree of Lateral Tibial Plateau Depression as a  
Predictor of Lateral Meniscus Pathology”. Orthopedics. February

2010; 33(2): 80.

de Boer P, Morgan SJ, van der Werken C. **Handbook Orthopaedic Trauma Care**. Hubbard, DF ed. Ch 5 Shoulder and Humerus Injuries. AO Publishing, Switzerland, 2009.

**Brock Lindsey**, Nina B. Clovis, E. Suzanne Smith, Sydha Salihu, **David F. Hubbard**. “An Animal Model for Open Femur Fracture and Osteomyelitis: Part I.” *Journal of Orthopaedic Research* , January 2010, pp.38-42.

**Brock Lindsey**, Nina B. Clovis, E. Suzanne Smith, Sydha Salihu, **David F. Hubbard**. “An Animal Model for Open Femur Fracture and Osteomyelitis - Part II: Immunomodulation with Systemic IL-12.” *Journal of Orthopaedic Research*, January 2010, pp. 43-47.

Hubbard D: Femoral Shaft Fractures. American Academy of Orthopaedic Surgeons Web site: Orthopaedic Knowledge Online 2009;7(4): <http://www5.aaos.org/oko/partners/ota/main.cfm>. Accessed May 21, 2009.

Gocke, R and Hubbard, DF. “Prosthetic Mesh Repair of a Pelvic Defect”. *J of Trauma*. In press.

Hubbard DF. Scapula Fractures. *Current Opin in Ortho*. 2004; 15: 254-256.

Stilger VG, Alt JM, Michael AJ, Hubbard DF. Posterior sternoclavicular joint dislocation in a collegiate football player. Ch. 7. *Current Topics in Musculoskeletal Medicine*. SLACK, New Jersey, pp. 51 – 59, 2001.

Stilger VG, Alt JM, Hubbard DF. Traumatic acetabular fracture in an intercollegiate football player: A case report. *J of Ath*

2000; 35(1): 103 – 107.

Hubbard DF, Herriott G, Kish V. A biomechanical analysis of low-profile fixation of tibial plateau fractures. *Am J of Ortho*. 1999; 28: 12 – 16.

Hubbard DF. Surgical treatment of aseptic tibial nonunions. *Op Tech Ortho*. 1999; 9: 206 – 215.

Training.

## GRANTS

### Active:

PI: Bingyun Li, Co-PIs: David F. Hubbard, Brock Lindsey, and John G. Thomas Source of Support: *AO Foundation* (a world leading organization in osteosynthesis) Total Award Amount: \$100,000 Total Award Period Covered: *8/01/07-7/31/09*

Interleukin-12 Therapy to Prevent Osteomyelitis After Open Fracture in the Trauma Setting.

PI: Brock Lindsey

Agency: Orthopaedic Research and Education Foundation

Dates of Funding: 7/1/06 – 6/30/07

Amount: \$14,973

Immunosuppression in Traumatic Open Fracture

PI: Brock Lindsey

Agency: Orthopaedic Trauma Association

Dates of Funding: 6/1/06 – 5/31/07

Amount: \$10,000

### Pending:

Use of Ultrasound in Determining the Zone Of Injury in an Open Fracture Model: Assessing Tissue Viability

PI: Ryan Gocke

Agency: Orthopaedic Research and Education Foundation

Dates of Funding: 1/1/07 – 12/31/07

Amount: \$5,000

Nanotechnology-Based Interleukin-12 Delivery System for Preventing Osteomyelitis after Traumatic Open Fracture

PI: Bingyun Li

Agency: Orthopaedic Research and Education Foundation

Dates of Funding: 7/1/07 – 6/30/09

Amount: \$99,776

Use of Ultrasound in Determining the Zone Of Injury in an Open Fracture Model: Assessing Tissue Viability

PI: Ryan Gocke

Agency: Orthopaedic Trauma Association

Dates of Funding: 1/1/07 – 12/31/08

Local Versus Intramedullary Interleukin-12 Supplementation for Traumatic Open Fractures

PI: Brandon M. Boyce

Agency: Orthopaedic Research and Education Foundation

Dates of Funding: 7/1/07 – 6/30/08

Amount: \$20,000

## PRESENTATIONS

Hubbard, DF. “Common Sport Related Fractures and Dislocations”, WVU Athletic Training Students lecture (ATTR 650), Morgantown, WV, March 8, 2010.

Hubbard, DF. “Upper Extremity Failures I Struggle to Solve”, 2010 Orthopaedic Trauma Think Tank. Park City, Utah, February 21-25, 2010.

Hubbard, DF. “Minimally Invasive Surgery- MIO”, Moderator: Diaphyseal Tibial Fractures, “Tibial Plateau: Current Concepts”. AO Advanced Principles and Techniques of Operative Management, Phoenix, AR, January 14-17, 2010.

Hubbard, DF. “Best Fixation in the Femoral Head: Helical Blade”. Synthes Trauma Fall Annual Meeting. Loews Ventana Canyon, Tucson, AR, November 17-20, 2009.

Hubbard, DF. “Initial Management of Pelvis Fractures”. General Surgery Trauma Grand Rounds. WVU Hospital, Morgantown, WV, October 29, 2009.

Hubbard, DF. “Evolution of Tibial Plateau ORIF.” 2009 Orthopaedic Reunion Day, Morgantown, WV. October 16, 2009.

Hubbard, DF. “Femoral Shaft Fractures.” OTA 2009 Comprehensive Fracture Course for Residents, Manchester Grand Hyatt, San Diego, CA, October 9, 2009.

Hubbard, DH. “Tibial Plateau Fractures: Current Techniques” and moderator, AO Advanced Principles and Techniques of Operative Fracture Management, Covington, KY, September 10-13, 2009.

Hubbard, DH. “Locked Plating Technology”, Operating Room Personnel In-Service, Ruby Memorial Hospital, Morgantown,

WV, June 17, 2009.

Hubbard, DF. "Complications in Orthopedic Trauma", Advanced Med-Surg Nursing Conference, Ruby Memorial Hospital, Morgantown, WV, April 6 and 9, 2009.

Hubbard, DF. "Femoral Shaft Fractures", "Intracapsular Femur Fractures", "Tibial Plateau Fractures", and course Chairman, OTA 2009 Spring Comprehensive Fracture Course for Residents, Sofitel Chicago O'Hare Hotel, Rosemont, IL, March 26-28, 2009.

Hubbard, DF. "Plate Design and Function", "Tibial Plateau Fractures", Moderator, Lab Moderator (Absolute Stability), AO Basic Principles of Operative Fracture Management Course, Sun Valley, Idaho, March 15 -20, 2009.

Hubbard, DF. "What is the Urgency? When Do Closed Fractures Need to Go to The Operating Room", Trauma Surgery Grand Rounds, WVU Hospital, Morgantown, WV, March 12, 2009.

Hubbard, DF. "Common Sport Related Fractures and Dislocations", WVU Athletic Training Students lecture (ATTR 650), Morgantown, WV, March 9, 2009.

Hubbard, DF. "Locked Plating-Biology, Biomechanics, Clinical Applications", "Malunions", and Moderator IM Nailing Lab, AO Basic Principles and Techniques of Operative Fracture Management Course for Residents, Charlotte, NC, February 5-8, 2009.

Hubbard, DF. "Intertrochanteric Femur Fractures", AOTK Problem Fracture Symposium, Ft Lauderdale, Florida, January 9-11, 2009.

Hubbard, DF. Faculty and Small Group Moderator, AO Southeast Regional Fracture Summit, Charleston, South Carolina, December 5-7, 2008.

Hubbard, DF. "Plate Design and Function", "Intracapsular Hip Fractures", Lab floater, AO Basic Principles and Techniques of Operative Fracture Management Course for Residents, Toronto, Ontario, November 9-12, 2008.

Hubbard, DF. "Initial Treatment of Pelvis Fractures". Trauma Surgery Grand Rounds, WVU Hospital, Morgantown, WV, October 30, 2008.

Hubbard, DF. "Femoral Shaft Fractures". OTA 2008 Comprehensive Fracture Course for Residents. Denver, CO October 16, 2008.

Hubbard, DF. "Failed Ankle ORIF". WVU Department of Orthopaedics, Reunion Day Conference, Morgantown, WV, October 3, 2008.

Hubbard, DF. "Introduction to Competency-Based Residency Education". Orthopaedic Grand Rounds WVU. Morgantown, WV, September 24, 2008

Hubbard, DF. "Classification of Bone Fractures", lab supervisor, lab Moderator. AO Basic Principles and Techniques of Operative Fracture Management Course for Residents, East Brunswick, NJ, September 18-21, 2008.

Hubbard, DF. "Surgical Reduction Techniques: Respecting the Behavior of Bone", lab supervisor, moderator Specific Fractures – Articular. AO Basic Principles of Operative Fracture Management Course, Marco Island, Florida, June 1-6, 2008.

Hubbard, DF. "Tibial Plateau Fractures", "Orthobiologics", "Case Discussion: Tibial Fractures", "Spanning External Fixation – Lab Moderator", "Subtrochanteric and Femoral Shaft Fractures", and lab table instructor. OTA's 2008 Comprehensive Fracture Course for Residents. Renaissance Resort at World Golf Village, St. Augustine, FL, April 24-27, 2008.

Hubbard, DF. "Urgency of Orthopaedic Fracture Care" and "Orthopaedic Damage Control". Trauma and Orthopedic Grand Rounds. Mary Washington Hospital, Fredericksburg, VA, March 14, 2008.

Hubbard, DF. "Orthopedic Terminology and Radiograph Review", WVU School of Medicine Third Year Student Surgical Lectures, Morgantown, WV, March 11, 2008.

Hubbard, DF. "Common Sport Related Fractures and Dislocations", WVU Athletic Training Students lecture, Morgantown, WV, March 10, 2008.

Hubbard, DH. "Timing of Femoral Shaft Fixation", 8<sup>th</sup> Annual West Virginia Trauma Symposium, Canaan Valley Resort and Conference Center, Davis, WV, February 29, 2008.

Hubbard, DH. “Reduction Tricks for the Distal Femur”, “Treatment of Failed Fixation of the Distal Femur”, and “Use of the Dynamic Hip Screw: A Debate”. Orthopedic Think Tank 2008, Aspen, CO, February 10-14, 2008.

Hubbard, DH. “When and How to Use Locking Plates”. West Virginia State Orthopedic Society Society Mid Winter Meeting, Charleston, WV, February 9, 2008.

Hubbard, DH. “Treatment of Distal Tibia Fractures: Plate vs Nails”. City Wide Grand Rounds. Mount Carmel Hospital, Columbus, OH. November 30, 2007.

Lindsey, BA, Clovis, NB, Smith, S, Salihu, S, and Hubbard, DF. “Immunosuppression in a Traumatic Open Fracture Model”. Poster presentation. OTA 23<sup>rd</sup> Annual Meeting. Sheraton Boston Hotel, Boston, MA. October 17-20, 2007.

Lindsey, BA, Clovis, NB, Smith, S, Salihu, S, and Hubbard, DF. “Immunosuppression in a Traumatic Open Fracture Model”. OTA Basic Science Focus Forum. Sheraton Boston Hotel, Boston, MA. October 17, 2007.

Hubbard, DF. “Femoral Shaft Fractures”. OTA 2007 Comprehensive Fracture Course for Residents. Boston, MA. October 19, 2007

Hubbard, DF. “Nailing Distal Tibia Fractures”, moderator and table instructor. 2007 Synthes Trauma Fall Annual Meeting, The Wigwam Golf Resort and Spa, Litchfield Park, AR. October 9-11, 2007.

Hubbard, DF. “What is the Urgency? When do Closed Fractures Need to Go.” WVU Dept. of Anesthesiology, Grand Rounds, Invited Lecture. Ruby Memorial Hospital, Morgantown, WV. September 5, 2007.

Hubbard, DF. “What it Takes to be a Good Physician”. White Coat Ceremony, Marshall University Joan C. Edwards School of Medicine, Class of 2011, Guest speaker. MUSOM, Huntington, WV. August 9, 2007.

Hubbard, DF. “Orthopedic Mountain Biking Injuries”. Appalachian Wilderness Medicine Conference. WV University School of Medicine. Morgantown, WV. August 11, 2007

Hubbard, DF. “Polytrauma” , “Assessment and Emergency Management of Pelvic Ring Fractures”, moderator, and Course Evaluator. AO Basic Principles and Techniques of Operative Fracture Management Course for Residents. Atlanta, GA, May 17-20, 2007.

Li, B.; Jiang, B.; Lindsey, B.; Boyce, B.; Salihu, S.; Kish, V.; Hubbard, D. Poster presentation. **In vitro and in vivo studies of a novel system for cytokine local delivery.** Annual Meeting of the Society for Biomaterials, Chicago, IL, April 2007.

Hubbard, DF. “Fracture Classification”, “Nonunions”, lab supervisor, and lab moderator. AO Basic Principles and Techniques of Operative Fracture Management. Sun Valley, Idaho, March 18-23, 2007.

Hubbard, DF. “Tibial Plateau Fractures”, Orthopedic Think Tank, Aspen, CO, March 5-7, 2007.

Hubbard, DF and Steele, J. “Locked Plating of Periprosthetic Femur Fractures”, WV State Orthopaedic Society Mid Winter Meeting, Charleston, WV, March 3, 2007.

Hubbard, DF. “Musculoskeletal Assessment” and Skill Station Instructor, ATLS, Center for Rural Emergency Medicine, Morgantown, WV, February 23, 2007.

Hubbard, DF. “Orthopedic Terminology and Radiograph Review”, WVU School of Medicine Third Year Student Surgical Lectures, Morgantown, WV, February 20, 2007.

Hubbard, DF. “Distal Humerus Fractures”, “Bone Graft Substitutes”, “Plating Distal Humerus Fractures”, moderator, and lab instructor. AAOS/OTA Techniques in Orthopaedic Trauma, Rosemont, IL, December 8-10, 2006.

Hubbard, DF. “ Pelvis Fractures: Evaluation and Management”. WVU General Surgery Trauma Grand Rounds, WVU Hospital, Morgantown, WV, November 30, 2006.

Hubbard, DF. “ Plate Design and Function”, lab moderator, and table instructor. AO Basic Principles and Techniques of Operative Fracture Management, Toronto, ON, November 16 – 19, 2006.

Hubbard, DF. “Damage Control Orthopedics”, WVU Hospital

Nursing Critical Care Education, WVU Hospital, Morgantown, WV, November 14, 2006.

Hubbard, DF. "Open Fractures". Association for Surgical Technicians. WVU Hospital. Morgantown, WV, November 4, 2006.

Hubbard, DF. "Nonunions", "Malunions", "Open Reduction and Biological Fixation with Traditional AO Implants and Techniques", course Chairman, and moderator, AO Basic Principles and Techniques of Operative Management Course for Residents, Chicago, IL, October 19-22, 2006.

Hubbard, DF. "Femoral Shaft Fractures". Orthopaedic Trauma Association's 2006 Residents Comprehensive Fracture Course, Phoenix, AR, October 4-7, 2006.

Hubbard, DF. "Distal Femur Fractures", Third Annual Pennsylvania Orthopaedic Trauma Symposium, Pittsburgh, PA, September 16, 2006.

Hubbard, DF. "Management of Open Fractures", Association of periOperative Registered Nurses Educational Conference, Las Vegas, Nevada, September 8, 2006.

Hubbard, DF. "Orthopedic Mountain Biking Injuries", Appalachian Wilderness Medicine Conference, Canaan Valley Resort, Davis, WV, August 12, 2006.

Hubbard, DF. "Damage Control Orthopedics", Critical Care: Trauma Care, Nursing CME, Ruby Memorial Hospital, Morgantown, WV, May 19, 2006.

Hubbard, DF. Instructor ATLS, Center for Rural Emergency Medicine, WVU, Morgantown, WV, June 23, 2006.

Hubbard, DF. "Orthopedic Evaluation of the Trauma Patient", National EMS Week Appreciation Dinner, St. Josephs' Hospital, Parkersburg, WV, May 16, 2006.

Hubbard, DF. "Sliding Hip Screw – Is There a Role?", "Periarticular Locked Plating", and Spanning Ankle External Fixation – Cadaver Lab, 4<sup>th</sup> Annual "Trauma 101" Fracture Care For the Community Orthopedist, Cincinnati, OH, May 12-13, 2006.

Hubbard, DF. "The Role of Bone Graft Substitutes in Clinical Practice" and "Locking Compression Plates in the Distal Humerus", Treatment Options for Difficult Fractures: An Advanced Technology Symposium, Hershey, PA, May 5, 2006.

Hubbard, DF. "Common Sport Related Fractures and Dislocations", WVU Athletic Training Students lecture, Morgantown, WV, April 3, 2006.

Lemley, FR, Wearden, S, Ringus, VM, Hubbard, DF, Jones, DL. "Degree of Lateral Tibial Plateau Fracture Depression As a Predictor of Lateral Meniscus Pathology", AAOS 2006 Annual Meeting, Chicago, IL, March 22-26, 2006.

Hubbard, DF. "Plate Design and Function", lab moderator, "Preoperative Planning", and table instructor, AO Basic Principles and Techniques of Operative Management Course for Residents, St. Louis, Missouri, March 9-12, 2006.

Hubbard, DF. "Traumatic Aortic Rupture and Associated Orthopedic Trauma", West Virginia State Trauma Symposium, Canaan Valley Resort, Davis, WV, March 1, 2006.

Hubbard, DF. "Combined Talus and Distal Tibial Fractures", WV State Orthopaedic Society MidWinter Meeting, Charleston, WV February 18, 2006.

Hubbard, DF. "Surgical Reduction Techniques", "Tibial Plateau Fractures", "Polytrauma" and table instructor and moderator, AO Basic Principles and Techniques of Operative Fracture Management Course for Residents, Philadelphia, PA, January 26-29, 2006.

Hubbard, DF. "Orthopedic Surgery and Bones", lecture to 10<sup>th</sup> Grade Biology Classes Trinity High School, Morgantown, WV, December 16, 2005.

Hubbard, DF. "Locked Plating of the Proximal Humerus and the Distal Tibia", Visiting Lecturer, Parkersburg, WV, December 2, 2005.

Hubbard, DF. Table instructor. "Proximal femur fractures", OTA Residents Course, Ottawa, CA, October 20, 2005.

Hubbard, DF. "Humeral Neck Fractures: Do the Results Support ORIF, CRIF or Non-Operative Treatment?", Eastern Orthopaedic

Association, 36<sup>th</sup> Annual Meeting, Cambridge, MD, October 8, 2005.

Hubbard, DF. “Pelvis Fractures”, General Surgery Trauma Grand Rounds, WVU, Morgantown, WV, September 22, 2005.

Hubbard, DF. “Orthopedic Evaluation of the Trauma Patient”, General Surgery Trauma Grand Rounds, WVU, Morgantown, WV, July 28, 2005.

Hubbard, DF. Instructor ATLS, Center for Rural Emergency Medicine, WVU, Morgantown, WV, June 24, 2005.

Hubbard, DF. “Olecranon and Patella Fractures”, “Nonunions”, table instructor and lab moderator, AO Basic Principles and Techniques of Operative Fracture Management Course for Residents, Indianapolis, Indiana, May 19-22, 2005.

Hubbard, DF. “Rehabilitation of Lower Extremity Trauma”, Healthsouth Mountain View Regional Rehabilitation Hospital, Morgantown, WV, May 11, 2005.

Hubbard, DF. “Evolution, Biomechanics and Engineering Principles of Locking Compression Plates”, “The Role of Bone Graft Substitutes in Clinical Practice”, and chairman, Treatment Options for Difficult Fractures: A New Technology Symposium, Nemaquin Woodlands Resort and Spa, Farmington, PA, May 6, 2005.

Hubbard, DF. “Open Fractures”, Association of Operating Room Nurses of North Central West Virginia Educational Session, Morgantown, WV, April 30, 2005.

Hubbard, DF. “Orthopedic Evaluation of the Trauma Patient” and “Orthopedic Damage Control”, City Hospital, A Physician Symposium, Martinsburg, WV, March 30, 2005.

Hubbard, DF. “Orthopedic Emergencies in Sports – Pre-Hospital Care”, WV Athletic Trainers Association Meeting, Morgantown, WV, March 12, 2005.

Hubbard, DF. “Sports Related Orthopedic Trauma”, Athletic training student lecture, WVU, Morgantown, WV, March 7, 2005.

Hubbard, DF. “Damage Control Orthopedics”, 5<sup>th</sup> Annual WV Trauma Symposium, Canaan Valley Resort, Davis, WV, February

10, 2005.

Hubbard, DF. “Orthopedic Radiology”, lecture to medical students, WVU, January 25, 2005.

Hubbard, DF. “Open Fractures” and “Surgical Reduction Techniques: Respecting the Behavior of Bone” and table instructor, AO Principles Course, Dallas, Texas, January 20-23, 2005.

Hubbard, DF. “Tension Banding Principle” and table instructor, AO Principles Course, Davos, Switzerland, December 12 – 17, 2004.

Hubbard, DF. “Calcaneus and Tibial Plateau Fractures and Treatment”, Healthworks Physical Therapy weekly rounds, Morgantown, WV, December 3, 2004.

Hubbard, DF. “Advances in Orthopaedic Fracture Care and Trauma”, Wilderness Medical Society, WVU School of Medicine, Morgantown, WV, November 30, 2004.

Hubbard, DF. “Pediatric Femur Fractures”, Association for Operating Room Nurses of North Central WV, Morgantown, WV, November 16, 2004.

Hubbard, DF. ATLS Instructor, “Musculoskeletal Trauma”, ATLS Course, Morgantown, WV, November 5, 2004.

Hubbard, DF. “Advances in Orthopaedic Fracture Care and Trauma”, Marshall University School of Medicine Alumni Homecoming Weekend, Huntington, WV, October 22, 2004.

Hubbard, DF. Table instructor, “Tension Band Wiring of Olecranon Fractures”, OTA Residents Course, Ft. Lauderdale, FA, October 7, 2004.

Hubbard, DF. ATLS Instructor, “Spine and Spinal Cord Trauma” and “Musculoskeletal Trauma”, ATLS course, Morgantown, WV, May 14, 2004.

Hubbard, DF. “Spanning External Fixation and Soft Tissue Management of Tibial Plateau Fractures” and moderator, 2<sup>nd</sup> Annual Trauma 101 Symposium- Damage Control Orthopaedics, Cincinnati, OH, April 23-24, 2004.

Hubbard, DF. "Internal Fixation of Proximal Tibia Fractures", Locked /Compression Plating and Current Concepts: A Trauma Symposium, Dublin, OH, April 17, 2004.

Hubbard, DF. "Emergency Orthopedics", lecture Athletic Training Students, Morgantown, WV, March 8, 2004.

Hubbard, DF. "Locked Plating of the Distal Tibia", Mid-Winter Meeting, WV Orthopaedic Society, Charleston, WV, February 21, 2004.

Hubbard, DF. ATLS Instructor. "Musculoskeletal Trauma", ATLS Course, Morgantown, WV, February 20, 2004.

Hubbard, DF. "Orthopedic Fracture Management in the Obese", 4<sup>th</sup> Annual West Virginia Trauma Symposium, Canaan Valley Resort, Davis, WV, February 13, 2004.

Hubbard, DF. "Outdoor Orthopedic Injuries", WVU Medical Students Wilderness Medical Society, November 18, 2003.

Hubbard, DF. Reporter for Principles Course Revision. AONA Musculoskeletal Faculty Development Forum, Amelia Island, FA, November 13-16, 2003.

Hubbard, DF. "What does it take to be a "Bone Doctor"?", West Virginia University Medical Students, Morgantown, WV, October 28, 2003.

Hubbard, DF. "Olecranon/Patella Fractures", "Nonunion and Malunion", and table instructor, AO Principles of Fracture Management: Course for Residents, Chattanooga, TN, October 23-26, 2003.

Hubbard, DF. Lab Instructor, "Tension Band Wiring", OTA Resident's Course, Salt Lake City, Utah, October 8, 2003.

Hubbard, DF. "Tibial Plateau Fractures – ORIF", Pennsylvania "Trauma Update" Course, Harrisburg, PA, September 27, 2003.

Hubbard, DF. "Fracture Management in Competitive Athletes", Douglas Bowers Memorial Lecture Symposium, WVU Dept. of Orthopaedics, Morgantown, WV, September 12-13, 2003.

Hubbard, DF. Course director, moderator, and lecturer,

“Management of “Simple” Posterior Wall Acetabulum Fractures”, “Lis franc Fractures”, and “Open Tibial Fractures”; Advanced Concepts in Fracture Management, Pittsburgh, PA, September 5-6, 2003.

Hubbard, DF. Lecturer and table instructor, Concepts in Locked Plating: A Trauma Symposium, Pittsburgh, PA, August 1 and 2, 2003.

Hubbard, DF. Instructor ATLS Course, WVU Center for Rural Emergency Medicine, Morgantown, WV, May 3, 2003.

Hubbard, DF. “Biomechanics and Engineering Principles of Locked Plates”, “Locked Plating in the Proximal Tibia”, and table instructor, Concepts in Locked Plating – A Trauma Symposium, Minneapolis, MN, April 12, 2003.

Hubbard, DF. “Complications in Orthopedic Trauma”, AORN local meeting, Morgantown, WV, April 5, 2003.

Hubbard, DF. Presentation Cheat Lake Elementary Career Day, March 20, 2003.

Hubbard, DF. “Common Sports Related Fractures and Dislocations”, WVU Athletic Training Students lecture, Morgantown, WV, March 10, 2003.

Hubbard, DF. “Treatment of Calcaneus Fractures and Complications”, The West Virginia Orthopaedic Society Mid-Winter Meeting, Charleston, WV, February 22, 2003.

Hubbard, DF. “Complications of Orthopedic Trauma”, Trauma Grand Rounds, Morgantown, WV, January 29, 2003.

Hubbard DF. “What does it take to be a “Bone Doctor”? West Virginia University Medical Students, Morgantown, WV, January 22, 2003.

Hubbard, DF. “Complications of Orthopedic Trauma”, Third Annual West Virginia Trauma Symposium, Canaan Valley Resort, Davis, WV, January 9, 2003.

Hubbard, DF. “Orthopaedic Evaluation and Management of the Trauma Patient”, Ohio Valley Medical Center Annual Trauma Meeting, Wheeling, WV, October 25, 2002.

Hubbard, DF. “External Fixation Indications and Techniques” and

lab moderator, AO/ASIF Operating Room Personnel Course, Pittsburgh, PA, September 6-7, 2002.

Hubbard, DF. “Proximal Humerus Fractures: Percutaneous vs. Open and When”, moderator and table instructor, AAOS Practical Techniques for Improved Fracture Management, OLC, Rosemont, IL, June 21 – 23, 2002.

Hubbard, DF. “ New Locked Plating”, AO/ASIF sponsored fracture conference, St. Rita’s Medical Center, Lima, OH, May 22, 02.

Hubbard, DF. “Percutaneous Fixation of Fractures”, invited lecture Grand Rounds, Allegheny General Hospital, Pittsburgh, PA, May 7, 02.

Hubbard, DF. “Ankle Fractures: Injury, Diagnosis, and Treatment”, A Biomechanical Approach to the Foot and Ankle, HealthWorks Conference, Morgantown, WV, May 3, 02.

Hubbard, DF. “What does it take to be a “Bone Doctor”?”, West Virginia University Medical Students, Morgantown, WV, April 10, 02.

Hubbard, DF. Table instructor, AO Principles of Fracture Management Course and Advanced Controversies in Fracture Care Course, Sun Valley, Idaho, March 17-22, 02.

Hubbard, DF. “Intracapsular Hip Fractures”, AO Principles of Fracture Management Course and Advanced Controversies in Fracture Care Course, Sun Valley, Idaho, March 17-22, 02.

Hubbard, DF, “Subtrochanteric Femur Fractures”, AO Principles of Fracture Management Course and Advanced Controversies in Fracture Care Course, Sun Valley, Idaho, March 17-22, 02.

Hubbard, DF. “Initial Management of Orthopedic Injuries”, lecture to Athletic Training Students, Morgantown, WV, March 11, 02.

Hubbard, DF. “Percutaneous Plating of Distal Femur and Proximal Tibial Fractures”, West Virginia Orthopaedic Society Mid-Winter Conference, Charleston, WV, January 19, 02.

Hubbard, DF. “Extremity Hemorrhage”, 2<sup>nd</sup> Annual West Virginia Trauma Symposium, Canaan Valley Resort, Davis, WV, January

17, 02.

Hubbard, DF. "Management of Open Fractures", CME Outreach WVU Medical School, Wetzel County Hospital, New Martinsville, WV, December 13, 2001.

Hubbard, DF. "Diaphyseal Fractures: Treatment Principles", "Subtrochanteric Femur Fractures", and table instructor, AO/ASIF Principles of Fracture Management Course for Residents, Charleston, SC, October 25-28, 2001.

Hubbard, DF. "Nonunions" and "Avoiding Fixation Pitfalls", OTA Residents Basic Fracture Course, San Diego, CA, October 17-20, 2001.

Hubbard, DF. "Percutaneous Plating of Fractures," Orthopedic Education Day, Morgantown, WV, October 6, 2001.

Hubbard, DF. "Minimally Invasive Orthopedic Techniques," General Surgery Update Course, Morgantown, WV, September 21, 2001.

Hubbard, DF. "Plating Tibial Plateau Fractures and Percutaneous Pinning of Proximal Humerus Fractures," and moderator; Current Issues in Orthopaedic Trauma, Columbus, OH, September 6-7, 2001.

Hubbard, DF: "Initial Management of the Fractured Extremity," Monongalia General Hospital Conference Center, Morgantown, WV, EMS continuing medical education, August 21, 2001.

Hubbard, DF: Instructor ATLS Course, Morgantown, WV; June 28 – 29, 2001.

Hubbard,DF: Table instructor, AO/ASIF Principles of Fracture Management Course for Residents, Dallas, Texas, January 25 – 28, 2001.

Hubbard, DF: "Reduction of Hip Dislocations in the ER," WV Trauma Symposium, Snowshoe, WV, January 18 – 19, 2001.

Hubbard DF: "Managing Acute Pain Following Orthopedic Surgery", Clarksburg VA Hospital, Clarksburg, WV, December 14, 2000.

Hubbard DF: "Humeral Shaft Nonunions", Tweny-First Annual Reunion Day Conference, WVU Orthopedics, Morgantown, WV,

November 18, 2000.

Hubbard DF: “Tibial Shaft Fractures” and “Aseptic Tibial Nonunions”, and table instructor, Third Annual Indianapolis Orthopaedic Trauma Symposium, Indianapolis, Indiana, October 26-27, 2000.

Hubbard DF: “Application of Tongs and Halo”, Table Instructor, Orthopedic Trauma Association Resident’s Basic Fracture Course, San Antonio, Texas, October 14, 2000.

Hubbard DF: AO/ASIF Principles of Fracture Management Course for Residents, lecturer, moderator, and table instructor, Birmingham, AL, September 14-17, 2000.

Hubbard DF: “Tibial Shaft Fractures” and “Aseptic Tibial Nonunions”, Three Rivers Howmedica/Osteonics Annual Golf Meeting, Laurel Valley Golf Club, Ligonier, PA, May 16, 2000.

Hubbard DF: “Primary Care of Ankle Injuries”, Dept of Family Medicine Grand Rounds, WVU, Morgantown, WV, April 19, 2000.

Hubbard DF: “Bone Graft Substitutes in Trauma”, The West Virginia Orthopedic Society Midwinter Meeting, Charleston, WV, January 22, 2000.

Hubbard DF: “Bone Substitutes,” Dept of Oral and Maxillofacial Surgery Resident Seminar, December 2, 1999.

Hubbard DF: Annual Hennepin County Medical Center Orthopaedic and Trauma Seminar, “Plating Supracondylar Femur Fractures”, guest lecturer, Minneapolis, MN, November 19, 1999.

Hubbard DF: Twentieth Annual Orthopedic Reunion Day, “Tibial Plateau Fractures”, November 6, 1999.

Nork SE, Hubbard DF, Simonian PT, Routt MLC: “Plate Fixation of Pubic Symphyseal Disruptions”, poster presentation, OTA annual meeting, Charlotte, NC, October 22 – 24, 1999.

Hubbard DF: Lecture to Athletic Trainer Students, “Common Sports Related Fractures and Dislocations,” WVU, October 11, 1999.

Hubbard DF: “Traumatic Injuries”, guest lecturer, Waynesburg,

PA Rotary Club, July 26, 1999.

Hubbard DF: "Physical Therapy and Rehabilitation After Lower Extremity Fractures", lecture for Health Works physical therapists, Monongalia General Hospital, February 26, 1999.

Herriott GE and Hubbard DF: "Low Profile Fixation Of Tibial Plateau Fractures", OTA Specialty Day, AAOS Annual Meeting, Anaheim, CA, February 7, 1999.

Hubbard DF: "Osteoset Round Table Symposium", participant, AAOS Annual Meeting, Anaheim, CA, February 5, 1999.

Hubbard DF: "Resuscitation External Fixation in Trauma Patients," The West Virginia Orthopedic Society Midwinter Meeting, Charleston, WV, January 23, 1999.

Hubbard DF: "Closed Treatment of Tibial Shaft Fractures," 19<sup>th</sup> Annual Orthopedic Reunion Day, WVU Department of Orthopedics, November 6, 1998.

Hubbard DF: Lecture to Athletic Trainer Students, "Common Sports Related Fractures and Dislocation", WVU, October 12, 1998.

Herriott GE and Hubbard DF: "Low Profile Fixation of Tibial Plateau Fractures", poster presentation, OTA Annual Meeting, Vancouver, BC, October 8 – 10, 1998.

Herriott GE and Hubbard DF: "Low Profile Fixation of Tibial Plateau Fractures", Orthopaedic Trauma Association Annual Meeting, Vancouver, BC, October 10, 1998.

Hubbard DF: Lecture to Internal Medicine Residents, "Hip Fractures in the Elderly", September 15, 1998.

Hubbard DF: Guest Lecture First Year Physical/Occupational Therapy Students, " Radiology of the Lower Extremity", September 14, 1998.

Hubbard DF: AO/ASIF Operating Room Personnel Basic Course, Lecturer and Table Instructor, Pittsburgh, PA , June 26 - 27, 1998.

Hubbard DF: Management of Complex Pelvic Trauma, General

Surgery Grand Rounds, April 6, 1998.

Hubbard DF: Humeral Shaft Fractures, Orthopedic Resident Clinical Science Lecture Series, March 13, 1998.

Hubbard DF: Compartment Syndrome, Orthopedic Resident Clinical Science Lecture Series, February 10, 1998.

Hubbard DF: Talus Fractures, Orthopedic Resident Clinical Science Lecture Series, December 2, 1997.

Hubbard DF: Trauma About the Elbow, Lecture to Athletic Training Students, West Virginia University, November 10, 1997.

Hubbard DF: Eighteenth Annual Orthopedic Reunion Day, West Virginia University Dept. Of Orthopedics, Lecturer and Organizer, October 3-4, 1997.

Hubbard DF: Management of Open Fractures, CME Outreach Lecture to Grant Memorial Hospital via MDTV, October 14, 1997.

Hubbard DF: Guest Lecture First Year Physical/Occupational Therapy Students, Radiology of the Lower Extremity Sept 26, 1997.

Hubbard DF: Open Fracture Treatment, Emergency Medicine Grand Rounds, WVU Hospital, September 11, 1997.

Hubbard DF: AO/ASIF Orthopaedic Residents Basic Course, Table Instructor, Charlotte, NC, June 18-22, 1997.

Hubbard DF: The Hidden Injuries: Management & Treatment of Pelvic Fractures, 10th Annual Trauma Conference and Prehospital Care Symposium, Lakeview Resort, Morgantown, WV, May 19, 1997.

Hubbard DF: Humeral Shaft Fractures, Lisfranc Fractures, and Table Instructor, OTA Regional Trauma Update Course, Pittsburgh, PA, May 16-17, 1997.

Hubbard DF: Acetabular Fractures, Orthopedic Residents Clinical Science Lecture Series, April 8, 1997.

Hubbard DF: A Compartment Syndrome and General Open Fracture Care, Twelfth Annual Winter Conference, West Virginia Chapter American College of Emergency Physicians, Snowshoe, West Virginia, February 2, 1997.

Hubbard DF: Moderator and Tibial Pilon Fractures, West Virginia Orthopedic Society Midwinter Meeting, Charleston, WV, January 25, 1997.

Hubbard DF: Compartment Syndrome: Management and Diagnosis, WVU Community Outreach Lecture, Camden Clark Parkersburg, WV, January 21, 1997.

Hubbard DF: Nursing Care of the Patient With An Acetabulum Fracture, Building Bridges Nursing Care Symposium, WVU Hospitals, Lakeview Resort, Morgantown, WV, November 12, 1996.

Hubbard DF: External Fixation, Orthopedic Resident Clinical Lecture Series, October 22, 1996.

Hubbard DF: Management of Common Outpatient Orthopedic Problems, Pediatric Octoberfest 1996, WVU Hospital, October 11, 1996.

Hubbard DF, Simonian PT and Routt ML: Plate fixation of pubic symphysis disruptions - Does it really matter which plate we use?, Surgery of the Pelvis and Acetabulum: The Third International Consensus, Pittsburgh, PA, October 8, 1996.

Hubbard DF: Diagnosis and Management of Compartment Syndrome, Emergency Medicine Grand Rounds, WVU Hospital, August 1, 1996.

Hubbard DF: Plate Fixation of Pubic Symphysis Disruptions, Harborview Alumni Association Scientific Symposium, Seattle, WA, July 11, 1996.

Hubbard DF and Ramsey W: Doctors on Call: Handling Emergencies, television program on Public Broadcast Service, May 16, 1996.

Hubbard DF: Rehabilitation of Acetabular and Tibial Plateau Fractures, Lecture at Mountainview Rehabilitation Hospital, Morgantown, WV, May 2, 1996.

Hubbard DF: Open Fractures, Orthopedic Resident Clinical Science Lecture Series, March 13, 1996.

Hubbard DF: Compartment Syndrome, Orthopedic Resident Clinical Science Lecture Series, April 23, 1996.

Hubbard DF: Complication of Calcaneal Fractures, West Virginia State Orthopedic Society Midwinter Meeting, Charleston, West Virginia, January 27, 1996.

Hubbard DF: Lisfranc Fracture Dislocations of the Foot, Orthopedic Resident Trauma Conference, December 20, 1995.

Hubbard DF: Calcaneus Fractures, Orthopedic Resident Clinical Science Lecture Series, December 13, 1995.

Hubbard DF: Orthopedic Trauma Radiology in the Lower Extremity, Mason-Dixon Society of Radiology Technicians, November 29, 1995.

Hubbard DF and Stemple LJ: ADoctors On Call: Foot problems, television program on Public Broadcast Service, October 26, 1995.

Hubbard DF: Pilon Fractures, Orthopedic Resident Trauma Conference, October 18, 1995.

Hubbard DF: Pelvic Fracture Fixation. Psychomotor Skills Lab For Orthopedic Residents, October 12, 1995.

Hubbard DF: Talus Fractures. Orthopedic Resident Clinical Science Lecture Series, October 4, 1995.

Hubbard DF: Antibiotic Management Of Open Fractures. Multi-disciplinary Trauma Grand Rounds, West Virginia University Hospital, September 15, 1993.

Hubbard DF, Churchill J, and Kurth LA: The Cutoff Tibial Nail, Tri-State Orthopedic Society Meeting, The Homestead, Warm Springs, Virginia, June 10, 1993.

Hubbard DF: Compartment Syndrome. 7th Annual Trauma Conference and Prehospital Care Symposium, West Virginia University Hospitals, May 25, 1993.

Hubbard DF: Keynote Speaker. Alpha Epsilon Delta Initiation Banquet, West Virginia University, April 3, 1993.

Hubbard DF: Compartment Syndrome In The Lower Extremity.

May Orthopedic Department Meeting, Fairmont General Hospital, Fairmont, West Virginia, May 5, 1992.

Hubbard DF: Pediatric Orthopedic Trauma. 6th Annual Trauma Conference, West Virginia University Hospitals, May 4, 1992.

Hubbard DF: Orthopedic Physical Examination. Family Medicine Grand Rounds, 1991-1992.

Hubbard DF: Nursing Care Of Orthopedic Patients. West Virginia University Hospital Nursing Continuing Education Program, 1991-1992.

Hubbard DF and Blaha JD: Changes In The Shape Of The Proximal Femur Over Time. West Virginia University School Of Medicine Research Day, 1991.

## **CLINICAL AND BASIC RESEARCH**

Bone graft substitutes

Management of Knee and Elbow Flexion Contractures in Brain Injured Patients.

Internal Fixation of Pubic Symphysis Disruptions

Changes in the Shape of the Proximal Femur Over Time

Low Profile Fixation of Tibial Plateau Fractures

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