

PATRICK T. KNOTT, Ph.D., PA-C
Associate Dean, College of Health Professions
Professor and Chair, Physician Assistant Program
Rosalind Franklin University of Medicine and Science

Co-Director, Physician Assistant Postgraduate Surgical Residency Program
Illinois Bone and Joint Institute (at Lutheran General Hospital)

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Education:

Certificate Course in Leadership. Harvard Business School, Boston, MA; January 2002.

Ph.D., Organization and Management. Capella University, Minneapolis, MN; November, 2000.

M.S. PA Studies Finch University of Health Sciences/Chicago Medical School, North Chicago, IL; May 1996.

B.S. Physician Assistant Program University of Iowa, College of Medicine, Iowa City, IA; May, 1988.

B.S. Biology University of Iowa, College of Liberal Arts, Iowa City, IA; May, 1986.

Certification/Licensure:

Physician Assistant: Illinois License # 085-000385

Physician Assistant: NCCPA Certification, 1988. Re-certification, 1994, 2001, 2007. Certificate # 1018799

Advanced Cardiac Life Support: Certification May 1987.

Academic Appointments:

Professor, Rosalind Franklin University of Medicine and Science, 2010.

Associate Dean for Clinical and External Affairs, College of Health Professions, Rosalind Franklin University of Medicine and Science, January 2005 to present.

Associate Professor (with Tenure, 2006), Rosalind Franklin University of Medicine and Science, 2001.

Department Chairman, Rosalind Franklin University of Medicine and Science; 1996 to present.

Assistant Professor, Finch University of Health Sciences PA Program; 1996 to 2001.

Clinical Assistant Professor, Finch University of Health Sciences PA Program; 1994 to 1996.

Lecturer, Finch University of Health Sciences PA Program, 1993 to 1994.

Clinical Appointments:

Co-Director, Physician Assistant Postgraduate Surgical Residency Program, Illinois Bone and Joint Institute, Morton Grove, IL; 1996 to present.

Physician Assistant, Pediatric and Adult Spine Surgery Illinois Bone and Joint Institute, Steven Mardjetko, MD, attending surgeon; 2000-present.

Physician Assistant, Orthopaedic Surgery Fox Valley Orthopaedic Institute; 1992-1996.

Physician Assistant, Family Practice Robert Reeder MD and Associates; 1995 to 1996 (part-time).

Physician Assistant, Orthopaedic Surgery Illinois Sportsmedicine and Orthopaedic Center, 1989-1992.

Physician Assistant, Cardiovascular Surgery/Heart Transplant University of Michigan Medical Center; 1988-1989.

Medical Center Appointments:

Illinois Bone and Joint Institute, Des Plaines, IL, 2000 to present.

Delnor Community Hospital, Geneva, IL, 1992-1998.

St. Joseph Hospital, Elgin, IL, 1992-1998.

Rush Presbyterian/St. Luke's Medical Center, Chicago, IL, 1989-1992.

University of Michigan Medical Center, Ann Arbor, MI, 1988-1989.

Professional Affiliations:

Member, Society on Scoliosis, Orthopaedic and Rehabilitative Treatment (SOSORT), 2008 to present.

Director at Large, 2009 to present.

Member, Physician Assistant Education Association (PAEA), 1997 to present.

President, 2003-06.

Treasurer, 2000-03.

Chair, Transition Task Force 2003-06.

Chair, Finance Committee, 2000-03.

Nominations and Awards Committee, 2006 to present.

Development Committee, 2000-05.

Education Committee, 1997-00.

Member, Association of Postgraduate PA Programs (APPAP), 1997 to present.

President, 1998-00.

Fellow, Physician Assistants in Orthopaedic Surgery (PAOS); 1998 to 2005.

Fellow, Illinois Academy of Physician Assistants(IAPA); 1989 to present.

Vice President, 1992-1993.

Director at Large, 1990-1993.

Fellow, American Academy of Physician Assistants (AAPA); 1988 to present.

Other Professional Activity:

President, Residency Consultants, Inc.; 1997 to present.

Consultant, Abbott Labs, Medical Products Division. Product Development Team, August 1996 to 1998.

Awards:

Lawrence R. Medoff Award - Rosalind Franklin University. Given to one University faculty member each year for excellence in teaching, research, service and clinical work. June, 2008.

Innovations in Health Care – Educational Award for the “Multidisciplinary Education Program” from the PA Foundation (\$3,500) Winter, 2004.

Innovations in Health Care – Community Service Award for the “Healthy Families Program” from the PA Foundation (\$5,000) Winter, 2004.

Innovations in Health Care – Community Service Award from the PA Foundation (\$1,500) for the “HealthReach Immunization Initiative;” Fall, 2002.

Competitive Grants:

NCCPA Foundation Grant - A comparison of the Angoff and Borderline Group methods when making pass/ fail decisions in Physician Assistant Training. (Carlson J; Tomkowiak J; **Knott P**) \$8278 Fall, 2008.

PAEA Research Institute Grant – Comparison of didactic and clinical level Physician Assistant student performance during standardized patient examination. (Carlson J; Tomkowiak J; **Knott P**) \$4064 Fall, 2008.

Healthcare Foundation of Northern Lake County – Training grant to allow for 4 full scholarships to students who will commit to serving the underserved areas of Lake County following graduation. \$75,000. Spring, 2008, renewed Spring, 2009.

HRSA Training Grant – Collaborative grant with the Department of Clinical Psychology (Dr. Campbell and Dr. Chilamkurti) “The Healthy Families Program” \$316,272 over 3 years, 2004-07, renewed 2008-10.

HealthReach Immunization Initiative – Community service project funded with a challenge grant of \$75,000 from the Baxter Foundation and a matching grant of \$75,000 from Meisrow Financial Corporation. Spring, 2000.

Peer Reviewed Publications:

1. **Knott P**, Mardjetko S, Baute S, Riemenschneider M, Muncie L. The Reproducibility of Surface Topography Measurements in the Evaluation of Spinal Deformity. In Press: *Spine*: manuscript #110289.
2. **Knott P**, Frerich JM, Hertzler K, Mardjetko S. Comparison of Radiographic and Surface Topography Measurements in Adolescents with Scoliosis. In Press: *Spine*: manuscript #110286.
3. Grivas T, deMauroy JC, Negrini S, Kotwicki T, Zaina F, Wynn J, Stokes I, **Knott P**, Pizzetti P, Rigo M, Villagrasa M, Weiss HR, Maruyama T. 8th SOSORT Consensus Paper: Terminology – Glossary Including Acronyms and Quotations in use for Conservative Spinal Deformity Treatment. *Scoliosis* 2010; 5:23.
4. **Knott P**, Mardjetko S, Techy, F. The use of the T1 sagittal angle in predicting overall sagittal balance of the spine. *Spine J.* 2010; 10:11. 994-998.
5. Mardjetko S, **Knott P**, Rollet M, Baute S, Riemenschneider M, Muncie L. Evaluating the Reproducibility of the Formetric 4D Measurements for Scoliosis. *Eur Spine J.* 2010; 19:Suppl 3. s241-2.
6. **Knott P**, Mardjetko S, Kim R, et al. A comparison of MRI and CT artifact after posterior spinal fusion using three types of metal implants: stainless steel, titanium and vitallium. *Spine J.* 2010 Sept; 10:9. 789-94.
7. Carlson J, Tomkowiak J, **Knott P**. Simulation based examination in Physician Assistant Education: A comparison of two standard-setting methods. *Journal of Physician Assistant Education.* 2010; 21:2. 7-14.
8. de Mauroy JC, **Knott P**, Grivas T, Tager D, ed. 6th international conference on conservative management of spinal deformities. *Scoliosis J.* 2009; 4:(Suppl 2).
9. **Knott P**. Postgraduate physician assistant program accreditation: the first year in review. *Journal of Physician Assistant Education.* 2009; 20:3. 48-50.

10. Grivas T, **Knott P**, King-Schumacher M, ed. 5th international conference on conservative management of spinal deformities. *Scoliosis J.* 2009; 4:(Suppl 1).
11. **Knott P**, Mardjetko S, Nance D, Dunn M. Electromagnetic topographical technique of curve evaluation for adolescent idiopathic scoliosis. *Spine.* 2006; 31:24. 911-915.
12. Anick M, Carlson J, **Knott P**. The effect of post-graduate residency training on physician assistant employment, earnings, and job responsibility. *ADVANCE for Physician Assistants.* 2003; 11:1. 250-59.
13. Fishfader V, Hennig B, **Knott, P**. Physician assistant student and faculty perceptions of physician assistant residency training programs. *Perspectives in PA Education.* 2002; 13:1. 34-38.
14. **Knott P**. How does culture influence health care? *Physician Assistant.* 2002; 26:4. 21-37.
15. **Knott P**, LaBarbera D. Physician assistants: partners in the practice of medicine. *Hosp Physician.* 2000; 36:3. 67-73.
16. **Knott P**, O’Keeffe G. Medical education for Generation X: teaching and motivating students in a new millennium. *Perspectives in PA Education.* 1999; 10:3. 135-138.
17. **Knott P**. Learning styles of physician assistant educators. *Perspectives in PA Education.* 1999; 10:3. 154-157.
18. **Knott P**, Ruroede, K. One solution to managing risk during cutbacks in residency training programs. *Risk.* 2000; 11:1. 35-48.

Peer Reviewed Abstracts and Posters:

1. **Knott P**, Thompson S, Mardjetko S. A Descriptive Analysis of Lateral Spondylolisthesis in Patients with Adult Scoliosis [poster].
 - Society on Scoliosis, Orthopaedic and Rehabilitative Treatment (SOSORT) Meeting, May 2011, Barcelona, Spain.

- Scoliosis Research Society IMAST Meeting, July 2011, Copenhagen, Denmark.
2. **Knott P**, Mardjetko S, Frerich JM, Hertzler K. Comparison of Radiographic and Surface Topography Measurements in Adolescent Scoliosis.
 - Society on Scoliosis, Orthopaedic and Rehabilitative Treatment (SOSORT) Meeting, May 2011, Barcelona, Spain. [abstract]
 - Scoliosis Research Society IMAST Meeting, July 2011, Copenhagen, Denmark. [poster]
 3. Siljander M, **Knott P**, Mardjetko S. The Effect of Patient Positioning During Radiographs on Resulting Cobb Angle Measurements
 - a. Society on Scoliosis, Orthopaedic and Rehabilitative Treatment (SOSORT) Meeting, May 2011, Barcelona, Spain. [abstract].
 - b. Scoliosis Research Society IMAST Meeting, July 2011, Copenhagen, Denmark. [poster]
 4. **Knott P**, Mardjetko S, Tager D, Hund R. The Influence of Body Mass Index on the Reproducibility of Surface Topography Measurements [abstract]. Society on Scoliosis, Orthopaedic and Rehabilitative Treatment (SOSORT) Meeting, May 2011, Barcelona.
 5. **Knott P**, Mardjetko S, Thompson S. A Comparison of Automatic vs. Manual Detection of Anatomic Landmarks During Surface Topography Evaluation Using the Formetric 4D System [poster]. Society on Scoliosis, Orthopaedic and Rehabilitative Treatment (SOSORT) Meeting, May 2011, Barcelona.
 6. **Knott P**, Mardjetko S. The use of surface topography in surveillance of Adolescent Idiopathic Scoliosis. [abstract] European Spine Society, *Eurospine* Meeting, September 2010, Vienna.
 7. **Knott P**, Mardjetko S, Rollet M, Baute S, Riemenschneider M, Muncie L. Evaluation of the reproducibility of the formetric 4D measurements for scoliosis. [poster] Scoliosis Research Society, International Meeting on Advanced Spinal Techniques (IMAST), July 2010, Toronto.
 8. **Knott P**, Mardjetko S, Kim R, Cotter, T, Techy F, Rollet M. A comparison of cobb angles measured using axial loaded supine MRI and standing radiographs in patients with adolescent idiopathic scoliosis. [poster] Scoliosis Research Society, International Meeting on Advanced Spinal Techniques (IMAST), July 2010, Toronto.
 9. **Knott P**, Mardjetko S, Rollet M, Baute S, Riemenschneider M, Muncie L. Evaluation of the Reproducibility of the Formetric 4D Measurements in Scoliosis. *Scoliosis* 2010; 5 (suppl 1): 010.

10. **Knott P**, Mardjetko S, Kim R, Cotter T, Techy F, Rollet M. Comparing Axial Loaded MRI to Standing Radiographs in the Evaluation of AIS. *Scoliosis* 2010; 5 (suppl 1): 012.
11. **Knott P**, Mardjetko S, Kim R, et al. The use of axial loaded MRI in place of radiographs for surveillance of AIS. [abstract] Society on Scoliosis, Orthopaedic and Rehabilitative Treatment (SOSORT), *Scoliosis J.* 2009; 4:2:14.
12. **Knott P**, Mardjetko S, Lambourne D, Stemer J, Strasburg A. The influence of examiner experience on the reliability of surface topography measurements in patients with adolescent idiopathic scoliosis. [abstract] Society on Scoliosis, Orthopaedic and Rehabilitative Treatment (SOSORT), *Scoliosis J.* 2009; 4:2:20.
13. **Knott P**, Mardjetko S, Dunn M, Anthony T, Yatchek J. The use of surface topography in the surveillance of adolescent idiopathic scoliosis: the influence of patient BMI on the reliability of curve measurement. [abstract] *Scoliosis J.* 2009; 4:1:15.
14. **Knott P**, Mardjetko S, Dunn M, et al. Evaluating the influence of patient positioning on the accuracy of Ortelius 800 measurements for scoliosis. [abstract] *Scoliosis J.* 2009; 4:1: 18.
15. **Knott P**, Mardjetko S, Techy F, Dunn M, Pullara T, Kennedy J, McCall T. The use of the T1 tilt angle in predicting overall sagittal balance. [abstract] *Spine J.* 2008; 8:5(Suppl). 136S.
16. **Knott P**, Mardjetko S, Dunn M, et al. Evaluating the influence of patient positioning on the accuracy of Ortelius 800 measurements for scoliosis. [poster] Scoliosis Research Society, International Meeting on Advanced Spinal Techniques (IMAST); July 2008; Hong Kong.
17. **Knott P**, Mardjetko S, Dunn M et al. Sagittal T1 Tilt Angle and the Correlation with Various Parameters Influencing Sagittal Balance. [poster] Scoliosis Research Society, International Meeting on Advanced Spinal Techniques (IMAST); July 2008; Hong Kong.
18. **Knott P**, Mardjetko S. Verifying the reliability of the Ortelius 800 in the assessment of adolescent scoliosis. [abstract] *Proc: Am Acad Pediatr, Section on Orthopaedics*; October 2005; Washington, DC.
19. **Knott P**, Mardjetko S, Maguire E, Chicoine B. Perioperative complications in a cohort of adult down

syndrome patients undergoing cervical spine surgery. [poster] North Chicago Veteran's Administration Medical Center Research Fair; March 2005; North Chicago, IL.

20. Mardjetko S, Basobas L, Lubicky J, et al. A longitudinal retrospective study to determine the incidence and risk of progression of spondylolisthesis in children with spina bifida. [abstract] *Proc: World Spine II Second Interdisciplinary Congress on Spine Care*; August, 2003; Chicago, IL.
21. Mardjetko S; Lubicky J; **Knott P**; Basobas L. A longitudinal retrospective study to determine the incidence and risk of progression of spondylolisthesis in children with spina bifida. [abstract]
 - *Proc: Eur Spine Soc*; September, 2002; Nantes, France.
 - *Proc: Scoliosis Res Soc*; September, 2002; Seattle, WA.
 - *Proc: Am Acad Pediatr*; October, 2002; Boston, MA.
 - *Proc: North Am Spine Soc/ Japan Res Soc*; July, 2003; Maui, HI.
22. Mardjetko SM; **Knott PT**, Basobas LB, Lubicky JP. Survey of the cervical spine in a population of adults with down syndrome. [abstract]
 - *Proc: Scoliosis Res Soc*; September, 2002; Seattle, WA.
 - *Proc: World Spine II Second Interdisciplinary Congress on Spine Care*; August, 2003; Chicago, IL.
23. Mardjetko SM, **Knott PT**, Basobas LB, Lubicky JP. Surgical management of the cervical spine in a population of adults with down syndrome. [abstract]
 - *Proc: International Meeting on Adv Spine Techniques*; July, 2003; Rome, Italy.
 - *Proc: Am Acad Orthopaedic Surg*; March, 2004; San Francisco, CA.
17. **Knott PT**. Methods of post-operative deep vein thrombosis prophylaxis after total joint arthroplasty: an outcome study to evaluate effectiveness and cost. [master's thesis] *Proc: Illinois Orthopaedic Soc*, Summer 1996; Paris, France.

Editorials:

1. **Knott P**. Postgraduate education for the physician assistant: where are we heading? [editorial] *J of the Phys Asst Ed*, 2008; 19:3: 6-7.
2. **Knott PT**. PA's and doctoral degrees. [editorial] *Physician Assistant*, 2002; 27:2:11.

Book Chapters:

1. Frosch DR, **Knott PT**. Casting and splinting. In: Dehn, RW, Asprey, DP eds. *Clinical Procedures for Physician Assistants*. 2nd ed. Philadelphia, PA: WB Saunders, 2006: 275-294.
2. **Knott PT**. Hip fracture. In: Sajatovic, LS. et al. eds. *The Encyclopedia of Aging and Public Health*. 1st ed. New York: Springer Publishing Company, 2006: 422-423.
3. **Knott PT**. Imaging of the chest. In: Frownfelter, D, Dean, E eds. *Principles and Practice of Cardiopulmonary Physical Therapy*. 4th ed. Philadelphia, PA: Elsevier, 2005: 163-168.
4. Frosch DR., **Knott PT**. Casting and splinting. In: Dehn, RW, Asprey, DP eds. *Clinical Procedures for Physician Assistants*, 1st ed. Philadelphia, PA: WB Saunders, 2001.

Other Publications:

1. **Knott P**. Hire a physician assistant? Great idea, but how do I find one? *The Bulletin: Lake County Medical Society*; February, 1999:4.
2. **Knott P**. Physician assistants bring value & expertise to medical practice. *Chicago Medicine*. 1998; 101:23:14-15.
3. **Knott P**. Physician assistants finding their place in Lake County. *The Bulletin: Lake County Medical Society*; October, 1998:4.

Scholarly Service

1. Section Editor on Postgraduate Education. *J of the Phys Asst Ed*, 2008 to present.
2. Editorial Board Member. *J of the Phys Asst Ed*, 2006 to present.
3. Editorial Reviewer. *J Gerontol*, 2009 to present.
4. Editorial Reviewer. *Scoliosis J*, 2009 to present.
5. Editorial Board Member. *PA Source: Medical Education Systems*, 2000 to 2002.

Other Service:

Academic

University Level:

Strategic Planning Steering Committee, 2011 to present.

Academic Partnership Steering Committee, 2010 to 2011.

Rosalind Franklin University Academic Medical Center Consortium, Team Leader, 2009 to 2011.

College of Pharmacy, Faculty Leadership Committee, 2009 to present.
Compensation Committee, 2007 to present.
University Strategic Planning Committee, 2007 to present.
North Central Accreditation Planning Committee, 2006 to 2007.
Cultural Competency Committee, 2005 to 2009.
University Climate Assessment Committee, 2006 to 2007.
Task Force on Clinical Practice, 2005 to 2008.
Community Outreach Committee, 2005 to 2008.
Compliance Committee, 2005 to 2008.
Strategic Planning Committees: S1-5 Quality Workforce Issues; S5-6 Cost Allocation Models;
S5-3 Budget Planning; 2004 to 2005.
Faculty Assessment Committee, Chairman, 2003 to 2004.
Marketing Committee, 2002 to 2007.
Insurance and Benefits Committee, 2002 to 2007.
Mission Based Management Committee, Chairman, 2001 to 2003.
University Senate, 1997 to 2002.
University Budget Committee, 2001 to 2006.
Sabbatical Leave Committee, 2000 to 2004.

College of Health Professions Level:

Strategic Planning Committee, Chair, 2005 to present.
CHP Appointment, Promotion and Tenure Committee, 1998-2004.
CHP Professional Affairs Committee, 1997 to present.
CHP Curriculum Committee, 1996 to 2008.
CHP Interdisciplinary Research Committee, 1999 to 2004.
Multi-disciplinary Distance Education Committee, 1999 to 2000.
MDEC Subcommittee on Marketing and Management, 1999 to 2000.

Professional

External Consultant for Program Development: University of North Carolina at Chapel Hill, 2010.
External Consultant for Program Development: Pennsylvania State University, 2009.
External Consultant for Program Review: Nova Southeastern University, Office of the Provost,
2009.
External Consultant for Program Review: Rocky Mountain College, Office of the President. 2007-
08
External Consultant for Program Development: State University of New York, Upstate Medical

Campus, 2006-08.

External Consultant for Program Development: Mount Union College, 2006-07.

Member, Education and Services Committee, Arthritis Foundation, Illinois Chapter. 2004 to 2007.

External Consultant for the Department of Education, Commonwealth of Pennsylvania, in review of Physician Assistant Curriculum, 2006.

Accreditation Review Committee, Site Visit Team Member; 1997 to 2005. Participated in site visits to Universities in: New York, 1997; Ohio, 1998; Louisiana, 1999; New York, 1999; Pennsylvania, 1999; Pennsylvania, 2000, Oregon, 2003; New York, 2003.

External Consultant for Professional Curriculum Review, State University of New York at Stony Brook, July, 2004.

Community

St. Edward Central Catholic High School Board, 2006 to 2009; Executive Committee, 2006 to 2009.

Healthy Families Grant Project, 2005 to present.

HealthReach Immunization Initiative, Volunteer, Fall 2000 to present.

Lake County Community Health Partnership, Steering Committee, Spring 2000 to present; Immunization Committee, Winter 1999-2000 to present.

"Kids First" Health Fair, Lake County Health Department (providing free school physicals to needy children), 1998 to present.

Medical Volunteer, High School Sports Physical Program, Fox Valley Orthopaedic Associates, 1992 to 2002.

Fundraising Committee Chairman, St. Thomas More Parish, 2002 to 2004.

Religious Education Teacher, St. Thomas More Parish, 9th and 10th grades, 1997-1998.

St. Thomas More School Board, 1993-1994.

Teaching:

University Courses Currently Teaching:

1. HMTD501 Cultural Competency in Medicine (2 qh) **Small Group Instructor**, Winter, 2010-11, 2009-10, 2008-09
2. HMTD551 Leadership in the Healthcare Environment (3qh) **Course Director**, Spring 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004*
3. HMTD500 Interprofessional Health Teams (2 qh) **Small Group Instructor**, Fall, 2010, 2009, 2008, 2007, 2006, 2005, 2004.
4. HPAS528 Research and Statistics (3 qh) **Course Director**, Fall, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000*

5. HPAS 501 General Medicine I (Neurology Unit) 2010, 2009; **Unit Coordinator**, Fall 2008, 2007, 2006
6. HPAS513 Physical Examination (3 qh) 2011, 2010, 2009, 2008, 2007; **Course Director**, Winter, 2006, 2005, 2004, 2003, 2002, 2001, 2000, 1999, 1998, 1997, 1996.
7. HPAS646 Advanced Physical Examination (2 qh) **Course Director**, Spring 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000, 1999, 1998, 1997*
8. HPAS 520 General Medicine III (Musculoskeletal Unit) **Unit Coordinator**, Spring 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000
9. HPAS523 Clinical Procedures (3 qh) **Course Instructor**, Spring 2011, 2010, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000, 1999, 1998

Past Courses Taught:

1. HPAS502 Introduction to EKG Interpretation (2 qh) **Course Director**, Fall 2009, 2008*.
2. PAS511 Introduction to Imaging (2 qh) Course Director, Winter, 2003-04, 2002-03 *
3. PAS526 Computer Applications I (1 qh) Course Director, Summer 2002, 2001, 2000, 1999, 1998, 1997, 1996*
4. PAS545 Principles of Surgery (3 qh) Course Director, Spring 2000, 1998, 1997, 1996, 1995*
5. PAS522 Clinical Decision Making II (3 qh) Course Director, Spring, 2001, 2000, 1999, 1998
6. PAS512 Clinical Decision Making I (3 qh) Course Director, Winter, 2000-01, 1999-00, 98-99, 97-98, 96-97*
7. PAS640 Research Methodology (2 qh) Course Director, Fall, 1999, 1998, 1997*
8. PAS527 Computer Applications II (2 qh) Course Director, Fall 2002, 2001, 2000, 1999, 1998, 1997*
9. PAS620 Current Topics in Postgraduate Medicine and Surgery (3 qh) Course Director, Spring, 1998, 1997*
10. PAS535 Clinical Laboratory Medicine (4 qh) Course Director, Fall 1997, 1996*
11. PAS689 Independent Study (3 qh) Course Director, Fall 1996.

*** Indicates new course development**

Masters Theses Supervised:

1. “The Effect of Time-Averaged Scans on the Reproducibility of Trunk Surface Topography Measurements in the Evaluation of AIS.” Lara Mack PA-S, Nishi Patel PA-S, Lindsay Peters PA-S, Kirstin Smith PA-S; defended March, 2011.
2. “The Effect of Menopause on the Progression of Adult Spinal Deformity.” Heather Hackbarth PA-S,

Gina McRoberts PA-S, Crystin Robbins PA-S; defended March, 2011.

3. "Strategies for Workplace Learning by Entry-Level Physician Assistants" Maura Polansky, MS, PA-C for completion of the Masters in Health Professions Education at the University of Illinois, Chicago; defended November, 2010.
4. "Evaluation of the Effect of Trunk Rotation on Subsequent X-Ray Cobb Angle Measurements." Matthew Siljander, M-1; in progress.
5. "The Objective Measurement of Balance in Patients with Cervical Spinal Stenosis" Joseph Musto M-1, Joshua Baksheshian M-1; in progress.
6. "A Retrospective Comparison of Cobb Angles Measured Using Surface Topography vs. Plain Radiographs in the Evaluation of Adolescent Idiopathic Scoliosis" Jason Frerich M-2, Kristen Hertzler M-2; in progress.
7. "An Analysis of Cervical Spine Radiographic Measurements in Patients with Spinal Deformity" William Spalding M-4; in progress.
8. "Changes in Pulmonary Function and Electrical Axis Among Children with Idiopathic Adolescent Scoliosis" Anne Hansen PA-S, Hodaka Abe PA-S, Tara O'Neill; defended March, 2011.
9. "The Reproducibility of Surface Topography Measurements Using the Formetric 4D Device in Assessing Spinal Deformity in Patients with Idiopathic Adolescent Scoliosis" Scott Baute PA-S, Laura Muncie PA-S, Maggie Riemenschneider PA-S; defended March, 2011.
10. "Efficacy of surgical correction of spinal deformity in patients with Osteogenesis Imperfecta" Amy Gerson PA-S, Kathleen Harley PA-S, Erin O'Neill PA-S; defended May, 2010.
11. "The financial impact of training PA students on a general surgery practice" Elizabeth Hindman PA-S, Jenna Lakus PA-S, Elizabeth Petruska PA-S; defended May, 2010.
12. "Evaluating the Influence of Clinician Experience on the Accuracy of Ortelius 800 Measurements for Scoliosis" Annalyse Strasburg PA-S, Jordan Stemer PA-S, Drew Lambourne PA-S; defended May, 2010.

13. "A Descriptive Analysis of Sagittal Spinal Curves in Ankylosing Spondylitis" Rachel Auerbach, Maria Jaberg, Breanna Mayer, Michelle Thomas, Shalyn VanderBloemen, Allison Wichmann (With Curt Stilp); defended May, 2009.
14. Radiographic Scatter Produced by Spinal Implants Made of Titanium vs. Vitallium" Matthew Spencer, Alan Wilson, Shivani Patel; defended March, 2009.
15. "Improvement in Orthoscan Measurements Using More Stable Patient Positioning" Daniel Johnson, Steven Cruze, Juliette Moore; defended March, 2009.
16. "The Relationship of the T1 Tilt Angle to Overall Spinal Balance" Janelle Kennedy, Tom McCall, Tara Pullara; defended May, 2009.
17. "Analysis of Best Practices in the Care of Diabetes Patients in a Family Medicine Practice" Tabrez Noorani, Andrea Overturf, Michelle Grim, Kelly Scholl, Cheney Chang, Lisa Gamalski; defended May, 2008.
18. "The Psychosocial Aspects Surrounding the Decision to Undergo Cervical Spine Fusion in Patients with Down Syndrome" Emily Weber, Christopher Born, Kazuko Abe; Defended, June, 2008.
19. "Orthoscan Measurements and Their Relationship To Patient BMI" Tatiana Anthony, Jennifer Yatchek; Defended, June, 2008.
20. "The Effect of Patient Positioning on the Reliability of Spinal Scoliosis Measurement" Kathleen Bowman, Heather Carlson, Colleen Nelson; Defended May, 2007.
21. "Longitudinal Evaluation of the Effectiveness of the Ortelius 800 Scanner in the Evaluation of Adolescent Idiopathic Scoliosis" Heather Eaton, Ryan Mansholt, Michael Meyer; Defended, March 2006.
22. Abduction Strength after Gamma Nail Fixation of Intertrochanteric Fractures in the Elderly" Steven Aydt, Nichelle Pajeau; Defended, May 2006.
23. "Evaluation of the Effectiveness of the NICASA After-School Program for Teens in Lake County" Brooke Olson, Natalie Ellingson, Sarah Cunningham; Defended, March 2006.

24. "Identifying Fracture Patterns in Patients with Spondylolysis of the Lumbar Spine that will Predict Outcome Measures" Michael Brown, Brad Jones, Don Larson, Ann Robinson; Defended, May 2006.
25. "Peri-operative Concerns in the Downs Syndrome Patient undergoing Cervical Spine Surgery" Erin McGuire; Defended, June 2005.
26. "The Influence of Gender on Graduate PA Salaries" Lauren Kraus, Kathryn MacCallum; Defended, June 2005.
27. "Educational Needs of Generation X Students and Residents" Andrew Herber, Jon Niewolny; Defended, June 2005.
28. "Evaluation of the Orthoscan Device in Adolescent Scoliosis" Stephanie McKee, Tiffany Geier, Crystal Grund, Kristin Ameson, Kara Fisher; Defended, June 2005.
29. "Screening for Hyperlipidemia by Physician Assistants and Nurse Practitioners" Andrew Lange, MS, Christopher Lam, MS; Defended June 2004.
30. "Bracing versus Activity Modification in the Treatment of Spondylolysis in Adolescent Athletes" Katelyn Beland, MS; Megan Cloud, MS; Amanda Jordan, MS; Defended June 2003.
31. "Screw Movement Using the Atlantis Plating System in Anterior Cervical Discectomy and Fusion" Jayson Coble, MS; Jeremy Raulie, MS; Seda Barzegar, MS; Defended June 2003.
32. "Referral Patterns of Primary Care Physicians" Leigh Pitts, MS; Lisa Strada, MS; Tracey Zieman, MS; Defended June, 2003.
33. "The Incidence of High-Grade Spondylolisthesis in Children with Spina Bifida" Elizabeth Golden, MS; Emily Becker, MS; Amy Schoening, MS; Paul Ellis, MS. Defended June, 2002.
34. "An Evaluation of Outcomes in Type 3C Tibia Fractures Requiring Arterial Repair" Brian Riley, MS; Chris Mayberry, MS. Defended June, 2002.
35. "An Evaluation of Outcomes in Peri-Prosthetic Femur Fractures Occuring between THA and TKA Prostheses" Michael Heinrich, MS; Andrea Graves, MS; Stacey Twigg, MS. Defended, June 2002.

36. "Successful Coping Mechanisms in Patients With Serious Pelvic Fractures Requiring Long-Term Immobilization" Jon Farm, MS; Julie Jones, MS. Defended June, 2002.
37. "What High-Risk Groups Might Benefit From OPCAB Surgery Rather Than Conventional CABG?" Barry Smeltzer, MS; Shelly Edwards, MS. Defended June, 2002.
38. "An Evaluation of Post-Graduate Residency Training for Physician Assistants: analysis of salary and benefits" Ian Mackey, MS; Christy Kuenen, MS; Curt Stilip, MS; Miranda Kheir, MS; Defended June, 2001.
39. "An Evaluation of Post-Graduate Residency Training for Physician Assistants: analysis of level of responsibility" Jim Carlson, MS; David Miller, MS; Michael Anick, MS; Lisa Fohl, MS; Defended June, 2001.
40. "An Analysis of the Etiology of Acute Pars Intra-articularis Fractures in Young Athletes" Kathryn Miles, MS; Jeff Roberts, MS; Todd VanHee, MS; Jessica Waldeck, MS; Defended June, 2001.
41. "An Analysis of the Outcome of Two Treatment Protocols for Acute Spondylosis in Young Athletes" Corina Gretch, MS; Jin Hong, MS; Christopher Kwong, MS; Jamie Ticgelaor, MS; Defended June, 2001.
42. "Assessment of Physician Assistant Student Perceptions, Educational Needs, and Behaviors" Patrick Earl, MS, Todd Mundy, MS, Travis Wolf, MS; Defended June, 2000.
43. "Indicators of Quality in Physician Assistant Training Sites" Allison Baxter-Guinta, MS, Charla Hagel, MS, Kate Kozlowski, MS; Defended June, 2000.
44. "Analysis of Two Acute Treatment Protocols for Stroke" Amy Filstead, MS; Defended June, 2000.
45. "Evaluation of the Need for Post-Operative Drains After Total Joint Arthroplasty" Shannon Lee, MS, Darryk Modracek, MS, Lawrence O'Malley, MS; Defended, June 2000.
46. "Recovery of Strength after Anterior Cruciate Ligament Reconstruction" Mary Cowski, MS, John-David Michels, MS; Defended June, 2000.

47. "Prevention of Human Papilloma Virus in Navy Recruits" Kevin Mottinger, MS, Joline Ackerson, MS, Jennifer Saunders, MS; Defended June, 2000.
48. "A Meta-Analysis of the Role of Estrogen in Depression" Jennifer Sypherd, MS, PA, Carmen Weber, MS, PA, Robin Tangy, MS, PA; Defended May 1999.
49. "Analysis of Cost Effectiveness and Functional Outcome in both Hemi-Arthroplasty and ORIF of Femoral Neck Fractures" Lauren Donald MS, PA, and Kristin Wegner MS, PA; Defended, May 1999.
50. "Pilon Fracture of the Tibial Plafond: a retrospective analysis in search of predictors of good functional outcome" Jamee Ambariantz MS, PA, Mat Sweeney MS, PA, and Ryan Pock MS, PA; Defended, May 1999.
51. "Predictors of Positive Functional Outcome in Pelvic Ring Fractures" Timothy Byker MS, PA; Defended, May 1999.
52. "Predictors of Functional Outcome in the Treatment of Intra-Articular Fractures of the Distal Radius" Stephanie Grahek MS, PA and Robin Wall MS, PA; Defended, May 1999.
53. "Physician Assistant Student and Faculty Perceptions of PA Residency Training Programs" Brian Hennig, MS, PA, and Vicki Fishfader, MS, PA; Defended, May 1999.
54. "Evaluation of the Post Operative Effects of Rectus Femoris Transfer on Cadence, Stride Length, and Velocity in Children With Cerebral Palsy" Lauree Cameron, MS, PA-C, Caroline Peterson MS, PA-C, Annette Husske MS, PA-C; Defended June 1998.
55. "Comparison of Physician Assistant Programs' Curriculum and Prerequisites to Determine Uniformity of Educational Experience" Mary Thoma MS, PA-C; Defended June 1998.
56. "The Use of Autologous Bone Marrow Transplantation in the Treatment of Breast Cancer" Stephanie Rosenberg MS, PA-C, Erin Rogers MS, PA-C, and Marjorie Freeze MS, PA-C; Defended June 1998.
57. "A Study of the Cost Effectiveness of a Physician Assistant Service in Comparison to an Intern/Resident Service at a Large Teaching Hospital" James Van Rhee, MS, PA-C; Defended December, 1997.

58. "Prostate-Specific Antigen Levels and its Relation to Documented Bone Metastasis in the Post Radical Prostatectomy Patient" William Religo, MS, PA-C; Defended, May, 1997.
59. "Frequency and Effectiveness of Carotid Endarterectomy in Symptomatic and Asymptomatic Patients with Carotid Artery Stenosis" John Manning, MS, PA-C; Defended, May, 1997.
60. "Fascial Wound Dehiscence: Influencing Factors and Incidence" Gina Calabrese, MS, PA-C; Defended, May, 1997.
61. "Analysis of Shin Splint Etiologies" Holly Rasmussen, MS, PA-C and Brett Rasmussen, MS, PA-C; Defended, May, 1997.
62. "The Role of Lung Volume Reduction Surgery in the Treatment of Chronic Obstructive Pulmonary Disease" Kari Thomas, MS, PA-C; Defended, May, 1997.
63. "The Effect of Timing on Outcome of Rotator Cuff Repair Surgery" Todd Luft, MS, PA-C and Ehrich Bean, MS, PA-C; Defended, May, 1997.

Invited Lectures:

National and International

1. "The use of surface topography in surveillance of Adolescent Idiopathic Scoliosis" Accepted for podium presentation, European Spine Society Meeting, September, 2010, Vienna, Austria.
2. "The Evaluation of Physician Assistants in Clinical Practice" Annual Midwest Clinical Conference and Technology Summit, The Chicago Medical Society, Lombard, IL; March, 2010.
3. "Improving Teaching Effectiveness," Upstate Medical Center, State University of New York, Syracuse, NY; January, 2010.
4. "The Break-Up: How and when to effectively cut ties with a clinical preceptor," Physician Assistant Education Association Annual Meeting, Portland, OR; November, 2009. (With Elana Min, MMS, PA-C and Mariclare Barrett, MS, PA-C)

5. “Adolescent Idiopathic Scoliosis – Surgical Management, present and future” American Association of Surgical Physician Assistants (AASPA) Annual Meeting; Chicago, IL; October, 2009.
6. “Managing the Difficult Student” Faculty Development Institute, Physician Assistant Education Association (PAEA); National Webinar; April, 2009. (With Patricia Bergeson, JD and Elana Min, MMS, PA-C)
7. “Development of a Peer Review Program in PA Education” Rocky Mountain College, Billings, MT. November, 2008.
8. Preventing Flat Back Syndrome: Understanding sagittal spinal balance” American Association of Surgical Physician Assistants (AASPA) Annual Meeting; San Francisco, CA; October, 2008.
9. “Academic Law: a two day workshop for faculty” Faculty Development Institute, Physician Assistant Education Association (PAEA). Chicago, IL; April, 2008. (With Patricia Bergeson, JD).
10. “Strategies for Dealing with the Problem Student: Advice from a Faculty Member, Program Director, and University Attorney” Physician Assistant Education Association (PAEA) Annual Meeting, Tucson, AZ; October, 2007. (With Elana Min, PA-C and Patricia Bergeson, JD)
11. “Common Legal Issues in Postgraduate Training” Physician Assistant Education Association (PAEA) Annual Meeting, Quebec, Canada; October, 2006.
12. “Faculty Shortages” (Moderator) Association of Schools of Allied Health Professions (ASAHP) Annual Conference, Chicago, IL, October, 2006.
13. “Artificial Disc Replacement” The American Association of Surgical Physician Assistants (AASPA) Annual Meeting; Lincolnwood, IL; September, 2006.
14. “Marketing for the Graduate Physician Assistant” American Academy of Physician Assistants (AAPA) Gateways Student Leadership Development Program, San Francisco, CA, May, 2006.
15. “Identification and Management of Idiopathic Adolescent Scoliosis” American Academy of Physician Assistants (AAPA), Orlando, FL, May, 2005.

16. "Spondylolysis in the Young Athlete: An Under-recognized Cause of Low Back Pain" American Academy of Physician Assistants (AAPA), Orlando, FL, May, 2005.
17. "Marketing Your Practice" American Academy of Physician Assistants (AAPA) Gateways Student Leadership Development Program, Orlando, FL, May, 2005.
18. "Current Trends in Physician Assistant Education" (Representing the APAP Board of Directors), Annual Meeting of the National Association of Advisors to the Health Professions (NAAHP), Washington, DC, June, 2004.
19. "Meet the Deans" (Representing the APAP Board of Directors), Annual Meeting of the National Association of Advisors to the Health Professions (NAAHP), Washington, DC, June, 2004.
20. "Medical Education for Generation X: effective teaching for surgical residents" **Grand Rounds**, Department of Obstetrics and Gynecology, Lutheran General Hospital, Park Ridge, IL. November, 2003.
21. "Medical Education for Generation X: new strategies for teaching and motivating students and residents." **Grand Rounds**, Department of Emergency Medicine, Lutheran General Hospital, Park Ridge, IL. September, 2003.
22. "Leadership" and "Practice Marketing" American Academy of Physician Assistants (AAPA) Gateways Student Leadership Development Program. New Orleans, LA; May, 2003.
23. "Developing Effective Leadership" Association of Physician Assistant Programs (APAP) Semi-Annual Conference, Boston, MA; May, 2002.
24. "Improving Teaching Through the Use of Peer Review" with Frosch, Don. Association of Physician Assistant Programs (APAP) Semi-Annual Conference, Boston, MA; May, 2002.
25. "Measurement in Research" with LaBarbera, Dawn. Association of Physician Assistant Programs (APAP) Annual Conference, Albuquerque, NM, October, 2001.
26. "Medical Education for Generation X: new strategies for teaching and motivating students." Finch University Educational Grand Rounds, August, 2001.

27. "A Novel Way to Use Benchmarking in the Process of PA Program Self-Evaluation" Association of Physician Assistant Programs (APAP) Semi-annual Conference, Anaheim, CA, May 2001.
28. "Medical Education for Generation X: teaching and motivating students in a new millennium." Association of Physician Assistant Programs (APAP) Semi-annual Conference, Washington DC; October, 2000.
29. "How to recruit the Best Faculty and Staff" Association of Physician Assistant Programs (APAP) Semi-annual Conference, Washington DC; October, 2000.
30. "Development of a Successful PA-Physician Team" American Academy of Physician Assistants (AAPA) National Conference, Chicago, IL; May, 2000.
31. "Development of an Infection Control Policy" LaBarbera, Dawn, MS, PA-C and Knott, Patrick, MS, PA-C Association of Physician Assistant Programs (APAP) Semi-Annual Conference, Chicago, IL; May, 2000.
32. "The Future of Post-Graduate Training for Physician Assistants" Association of Physician Assistant Programs (APAP) Semi-annual Conference, Austin, TX; October, 1999.
33. "Learning Style Assessment in Physician Assistant Education" Knott, Patrick, MS, PA-C & Morton-Rias, Dawn, MS, PA-C. Association of Physician Assistant Programs (APAP) Semi-Annual Conference, Atlanta, GA; May, 1999.
34. "Development of a Learning Objectives Database" Knott, Patrick, MS, PA-C & Southard, Douglas, PhD, PA-C. Association of Physician Assistant Programs (APAP) Semi-Annual Conference, Salt Lake City, UT; May, 1998.
35. "Implications of the PEW Report" Illinois Academy of Physician Assistants (IAPA) Annual Conference, Oak Brook, IL. October, 1998.
36. "The Hospitalist Concept: Where do PA's fit in?" Illinois Academy of Physician Assistants (IAPA) Annual Conference, Oak Brook, IL. October, 1998.
37. "Common Overuse Syndromes" Iowa Physician Assistant Society (IPAS) Annual Conference, Iowa City, IA. October, 1996.

38. "Work-Related Upper Extremity Injuries" Illinois Academy of Physician Assistants (IAPA) Annual Conference, Chicago, IL. October 1996.
39. "Orthopaedic Trauma" Illinois Academy of Physician Assistants (IAPA) Annual Conference, Chicago, IL. October 1993.
40. "Shoulder Injuries" Delnor Hospital Medical Education Conference, Geneva IL. April, 1991.
41. "Biomechanics of the Shoulder" Aquatic Physical Therapy Resources Conference, Wheaton, IL. March, 1990.
42. "Medical Coverage of Sporting Events" Illinois Sportsmedicine and Orthopaedic Center, Residents Conference, Glenview, IL. August, 1987; August 1988.
43. "Treatment of Orthopaedic Injuries" Illinois Sportsmedicine and Orthopaedic Center, Athletic Trainers Conference, Glenview, IL. September through May, 1986, 1987, 1988.

Rosalind Franklin University of Medicine and Science

1. EKG Interpretation for 3rd Year Medical Students (3 day course). Chicago Medical School, Summer, 2009.
2. "Medical Photography" Pathologists' Assistant Program, July 2009, March 2009.
3. "Why Back Surgery Fails: Understanding Sagittal Balance" **Grand Rounds**, Department of Medicine, January, 2009.
4. "Introduction to Imaging for the Physical Therapist" Physical Therapy Program; Fall, 2009, 2008, 2007, 2006.
5. "Introduction to Imaging Techniques" Pathologists' Assistant Program; Winter 2009, 2008, 2007.
6. Perioperative Management of Adults with Down Syndrome" **Grand Rounds**, Department of Medicine, January, 2006.

7. "Evaluation and Management of Adult Spinal Deformity" **Grand Rounds**, Department of Medicine; December, 2004.
8. "Successful Inter-professional Care Models" **Grand Rounds**, Department of Medicine; August, 2004.
9. "Evaluation of the Patient with Low Back Pain" **Grand Rounds**, Department of Medicine; September, 2002.
10. "Nephrology/Urology for the Physical Therapist" Physical Therapy Department. Fall, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000, 1999, 1998, 1997.
11. "Vascular and Lymphatic Disorders" Physical Therapy Department. Fall, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000, 1999, 1998.
12. "Metabolic Bone Disease, Bone Tumors, and Osteomyelitis" Physical Therapy Department. Fall, 2004, 2003, 2002, 1999, 1998.
13. "Soft Tissue and Bone Healing" Physical Therapy Department. Fall, 2009, 2008, 2007, 2006, 2005, 2004, 2003, 2002, 2001, 2000, 1999, 1998.
14. "Biomechanics of the ACL and PCL" Graduate Program, Physical Therapy Department. Spring, 1999, 1997.
15. "Diagnosis and Treatment of the ACL-Deficient Knee" **Grand Rounds**, Department of Medicine. August, 1997.
16. "Casting Techniques" Finch University of Health Sciences PA Program. April, 1995, April 1996.
17. "Metabolic Bone Disease" Finch University of Health Sciences PA Program. September, 1992.

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