

**CASE WESTERN RESERVE UNIVERSITY  
School of Medicine**

**AHRQ Award No.: 5T32HS0059**

**HEALTH SERVICES RESEARCH STUDENT ACCOMPLISHMENTS**

- I. Abstracts
- II. Publications
  - A. Original Papers
  - B. Reports, Chapters, Letters, Editorials
- III. Presentations
- IV. Selected Honors, Professional Activities, and Grants

From Matriculation to Present Time  
AHRQ HSR Training Grant  
1998-2002

**CWRU AHRQ T 32  
Trainees During Award  
1998-Present**

**I. Predoctoral Students**

**Dates**

David Barlizai (MD-PhD)	1998 -
Aleece Caron (PhD).	1996 - 2000
Britt Conroy MD-PhD)	1999 -
Jessica Diggs (MD-PhD)	2001 -
Carrie Davidson (PhD)	1998 -
Siran Koroukian (PhD)	1995 - 1999
Leslie-Ann Miller (PhD)	1999 -
Joshua H. Sarver (MD-PhD)	1998 -
Alexander C. Tsai (MD-PhD)	1999 -

**II. Post-doctoral Students**

Kimberly Applegate, MD	1998 – 2000
Irene L. Katzan, MD	1998 – 2001
David G. Litaker, MD, MSc	2001 –
James Merlino, MD	1998 – 2001
Linda Sandhaus, MD	1998 – 2000

## I. Abstracts

1. Blackham K, **Applegate KE**, Arnold B, Sivit CJ. Accuracy of rectal versus oral contrast thin section CT in children with clinically suspected appendicitis. Scientific paper, RSNA 2001, Nov, Chicago.
2. **Applegate KE**, Beyer G, Sivit CJ. Imaging Children with Possible Appendicitis: A Survey of Current Practices of the Society for Pediatric Radiology Members in North America. Scientific poster presentation, RSNA 2001, Chicago, Nov 2001.
3. Arnold BC, Blackham K, **Applegate KE**, Sivit CJ. Accuracy of rectal versus oral contrast thin section CT in children with clinically suspected appendicitis. Science Day oral presentation, Rainbow Babies & Children's Hospital, Cleveland, June 2001.
4. **Applegate KE**, Kelley E, Sivit CJ, Slavin L. Disclosure of Results in a Pediatric Radiology Practice: A Survey of Parental Preferences. Scientific paper at RSNA Annual Meeting, Nov 2000.
5. **Applegate KE**, Sivit CJ, Salvator A, Stallion A, Dudgeon DL, Borisa V, Grisoni ER. The impact of cross-sectional imaging on negative appendectomy and perforation rates in children. Scientific paper for NRSA at AHSR Annual Meeting, Jun and also at RSNA Annual Meeting, Nov, with permission 2000.
6. **Applegate KE**, Sivit CJ, Slavin L. Disclosure of Results in a Pediatric Radiology Practice: A Survey of Parental Preferences. Scientific paper for 17<sup>th</sup> International Conference of the International Society for Quality in Health Care, Dublin, Ireland, Sept 2000.
7. Abramson S, **Applegate KE**, Gilkeson R, Robbins M. The impact of non-contrast CT on diagnostic confidence and management in patients with clinically suspected stones seen in the emergency room. Scientific paper, ARRS Annual Meeting, May 2000.
8. Sivit CJ, Berlin SC, Myers MT, Weinert DM, **Applegate KE**, Grisoni ER. Helical CT in 111 consecutive children with suspected appendicitis: value in establishing an alternative diagnosis. Scientific paper for RSNA Annual Meeting, Nov 1999.
9. Sivit CJ, **Applegate KE**, Berlin SC, Myers MT, Weinert DM. Imaging evaluation of suspected appendicitis in a pediatric population: effectiveness of sonography versus CT. Scientific paper, RSNA Annual Meeting, Nov 1999.
10. **Applegate KE**, Salvator A, Schluchter M, Goske MJ, Cebul R. Prediction models for imaging utilization in children with abdominal pain seen in the emergency room. Scientific paper, RSNA Annual Meeting, Nov 1999.
11. **Applegate KE**, Salvator A, Schluchter M, Goske MJ, Redline S, Cebul R. The MANTRELS score for the prediction of appendicitis in 2308 children seen in the emergency room. Scientific paper, RSNA Annual Meeting, Nov 1999.
12. **Applegate KE**, Goske MJ, Salvator A, Schluchter M, Obuchowski NA, Lieber M, Copeland R, Alexander F, Cebul R. Imaging Utilization in Side-by Side Emergency Departments: Comparison of Capitated and Fee-for-Service Incentives. Scientific paper. Scientific paper, RSNA Annual Meeting, with permission, Nov 1999.
13. **Applegate KE**, Goske MJ, Salvator A, Schluchter M, Obuchowski NA, Lieber M, Copeland R, Alexander F, Cebul R. Imaging Utilization in Side-by Side Emergency Departments: Comparison of Capitated and Fee-for-Service Incentives. Scientific paper, with permission, SHSRR Annual Meeting, Sept 1999.

**Abstracts cont.**

14. **Applegate KE**, Goske MJ, Salvator A, Schluchter M, Obuchowski NA, Lieber M, Copeland R, Alexander F, Cebul R. Imaging Utilization in Side-by Side Emergency Departments: Comparison of Capitated and Fee-for-Service Incentives. Scientific paper, Association for Health Services Research, Student Section, Annual Meeting, Jun 1999.
15. Goske MJ, **Applegate KE**, Obuchowski NA, Lieber M, Copeland R, Alexander F, Alexandrou T. The Impact of Imaging on Diagnosis, Management, and Cost in Children with Abdominal Pain Presenting to the Emergency Room: A Comparison of Capitated vs. Fee-For-Service Plans. Scientific paper, SPR Annual Meeting, May 1999.
16. Sivit CJ, Berlin SC, Myers MT, Stallion A, Grisoni ER, Morrison SC, Dudgeon DL, Weinert DM, **Applegate KE**. Helical CT for the Evaluation of Suspected Appendicitis in Children. Scientific Paper, SPR Annual Meeting, May 1999.
17. Abadalla A, Gallegos E, **Applegate KE**, Rothner AD. MR Imaging of Occult Neuroblastoma in the Myoclonus-Opsoclonus Syndrome. Both the Cleveland Clinic Foundation Annual Research Day and the Pediatric Neurology Annual Meeting, Jun 1999.
18. Goske MJ, **Applegate KE**, Mitchell CS, Frankel DG, Bardo D, Tirabassi M. Detection of Pneumatosis in Children with Necrotizing Enterocolitis with High Frequency Ultrasound: Clinical and Experimental Findings. Scientific Paper, SPR Annual Meeting, May 1999.
19. **Applegate KE**, Sivit CJ, Salvator A, Stallion A, Dudgeon DL, Borisa V, Grisoni ER. The impact of cross-sectional imaging on negative appendectomy and perforation rates in children. Scientific paper for NRSA at AHSR Annual Meeting, Jun and also at RSNA Annual Meeting, Nov 2000, with permission .
20. **Barzilai D**, Sehgal S. Use of Standardized Ratios to Examine Access to Kidney Transplantation Across Dialysis Facilities. Poster presented at: National Research Service Award (NSRA) Trainees Research Conference, June 1999, Chicago, IL.
21. **Barzilai DA**, Koroukian S, Cooper G, Neuhauser D, Cooper K, Rimm A. The sensitivity of Medicare claims for case ascertainment of invasive malignant melanoma. Poster presented at: NRSA Trainees Research Conference; Washington, DC; June 22, 2002.
22. **Barzilai D**, Singer M. Potential impact of multidisciplinary melanoma clinic to reduce mortality by increasing the rate of optimal excision margins. Poster presented at: Society for Investigative Dermatology Annual Meeting, May 19, 2002, Los Angeles CA [Also presented as Oral Presentation].
23. Baron E, **Barzilai D**, Kawashima M, Takigawa M, Nakagawa H, Johnson G, Graham-Brown R, Green S, Stevens S. Investigating Attitudes in the management of atopic dermatitis: a survey among dermatologists in Japan, the United States and the United Kingdom. Poster presented at: Society for Investigative Dermatology Annual Meeting, May 19, 2002, Los Angeles CA.
24. **Barzilai D**, Singer M. Potential Impact of an Intervention to Increase the Rate of Optimal Excision Margins on Melanoma Mortality. Poster presented at: Irwin H. Lepow Student Research Day, March 2002, Cleveland OH.
25. Baron E, **Barzilai D**, Kawashima, Takigawa M, Nakagawa, Graham-Brown R., Green S. and Stevens S.R. A Comparison of Treatment Management by Dermatologists in the US, UK, and Japan. Poster presented at: American Academy of Dermatology Annual meeting, February, 22, 2002, New Orleans, LA.
26. Ng P, Ismail S, **Barzilai D**, Gilliam A. Are Initial Shave or Punch Biopsies Accurate in Assessing Final Depth of Invasive Melanoma?, Poster presented at: American Academy of Dermatology Annual meeting. February, 22, 2002, New Orleans, LA.

**Abstracts cont.**

27. **Barzilai D, Sehgal S.** Use of Standardized Ratios to Examine Access to Kidney Transplantation Across Dialysis Facilities. Poster presented at: National Research Service Award (NSRA) Trainees Research Conference, June, 1999, Chicago IL.
28. Hekelman, FP, Snyder, CW, **Caron A**, Bland, C, Hitchcock, M. How Do We Network? A Study of Family Predoctoral Education Faculty. STFM Predoctoral Education Conference, New Orleans, LA, February 5-8, 1998.
29. Sukol, RB, Tomm, R, Seeholzer, EL, **Caron, AH, Headrick, LA.** The BANG: A Screening Tool to Identify Individuals at High Risk of Violent Injury. Society of General Internal Medicine Annual Meeting, Chicago, IL, April 23-25, 1998.
30. Sukol, RB, Tomm, R, Seeholzer, EL, **Caron, AH, Headrick, LA.** The BANG: A Screening Tool to Identify Individuals at High Risk of Violent Injury. National Research Services Awards Washington, DC, June 19, 1998.
31. **Caron, A, Neuhauser, D,** Picken, A, Jones, P, and **Headrick, LA.** Measuring Performance Improvement in Hospitals. Institute of Healthcare Improvement Scientific Symposium. San Francisco CA, December 6, 2000.
32. **Davidson C,** "Technical Efficiency of the Ohio Nursing Home Industry: 1994-2000," NRSA Trainees Research Conference, Washington, D.C., June 2002.
33. **Katzan IL,** Sila CA, **Furlan AJ,** Smedira NG, Yeager ML, McCarthy PM. Cerebrovascular Complications with Novacor Left Ventricular Assist Devices and Their Relationship to Antithrombotic Therapies. Poster presentation, 24th American Heart Association International Conference on Stroke and Cerebral Circulation, Nashville, TN, February 1999.
34. **Katzan IL, Furlan AJ,** Way EL, Frank JI, Harper DL, Hinchey JA, Sila CA. A systematic audit of IV tPA use in Cleveland area hospitals. Poster presentation, 24th American Heart Association International Conference on Stroke and Cerebral Circulation, Nashville, TN, February 1999.
35. **Katzan IL,** Bajzer C, **Furlan AJ,** Silver M, Whitlow PL, Perl J, Lowrie M, Yadav JS. Abciximab Use in Carotid Artery Stenting. Poster presentation, 51<sup>th</sup> Annual Meeting of the American Academy of Neurology, Toronto, Canada, April 1999.
36. **Katzan IL, Furlan AJ,** Hammel J, Saneto R, Mikesell T, Waggoner M, Sila CA. Retrospective Assessment of Five Stroke Scales and Disability Indexes in the Community Setting. Poster presentation, 25<sup>th</sup> American Heart Association International Conference on Stroke and Cerebral Circulation, New Orleans, LA, February 2000.
37. **Katzan IL,** Hammel J, **Furlan AJ,** Mikesell T, Saneto R, **Cebul RD,** Sila CA. Retrospective Assessment of Stroke Severity with the National Institutes of Health Stroke Scale. Poster presentation, 6<sup>th</sup> National Research Service Award Trainees Research Conference, Los Angeles, California, June, 2000.
38. Whitlow PL, **Katzan IL,** Dagirmanjian A, Davis DA, Silver M, Krieger DW, Yadav JS. Embolization During Protected Versus Unprotected Carotid Stenting. Oral presentation, 73th Scientific Session of the American Heart Association, New Orleans, LA, November 2000.
39. Chalela JA, **Katzan IL,** Rasmussen PA, Liebesi DS, Zaidat O, Suarez JI, ChiuD, Klucznick RP, Jauch EC, Kasner SE. Safety of Post-operative Intra-arterial Thrombolysis. Oral Presentation, 26<sup>th</sup> International Stroke Conference, Fort Lauderdale, Florida, February 2001.
40. **Katzan IL,** Abou-Chebl A, Andrefsky JC, Krieger D, Ross JS. MR Imaging of Posterior Fossa Infarcts: FLAIR vs T2-weighted Sequences. Poster presentation, 26<sup>th</sup> International Stroke Conference, Fort Lauderdale, Florida, February 2001.

**Abstracts cont.**

41. **Katzan IL**, Cebul RD, Husak SS, Dawson NV, Baker DW. Community-Wide Incidence and Outcomes of Pneumonia in Patients Hospitalized for Acute Stroke. Oral presentation, 24<sup>th</sup> Annual Meeting Society of General Internal Medicine, San Diego, CA, May, 2001.
42. **Katzan IL**, Cebul RD, Husak SS, Dawson NV, Baker DW. The Importance of Risk -Adjustment: An Example Looking at the Effect of Pneumonia on 30-Day Mortality in Stroke Patients. Oral Presentation, 2001 National Research Service Conference, Atlanta, GA, June, 2001.
43. Cebul RD, **Katzan IL**, Husak SH, Dawson NV, Einstadter D, Baker DW. Community-wide Increasing Mortality for Stroke Patients Hospitalized During an Era of Competing Demands. Academy for Health Services Research and Health Policy Annual Research Meeting, Atlanta Georgia, June, 2001.
44. **Katzan IL**, Sundararajan SR, Furlan AJ, Graber TM, Hanna JP, Dirosa A, Houser G, Suarez JI, Landis DM. Cuyahoga County Operation Stroke: Speed of Emergency Department Evaluation and Compliance with NINDS Time Targets. 27<sup>th</sup> International Stroke Conference, San Antonio, TX, February 2002.
45. Hammer MD, **Katzan IL**, Furlan AJ, Abou-Chebl A, Hixson E. Cleveland Community Experience with Intravenous tissue Plasminogen Activator: Patient Selection. 27<sup>th</sup> International Stroke Conference, San Antonio, TX, February 2002.
46. Rasmussen PA, Perl II J, **Katzan I**, Sila CA, Mayberg MR, Masaryk TJ. Stent-Assisted Angioplasty of Intracranial Vertebrobasilar Atherosclerosis - Clinical and Imaging Mid-Term Results. Oral Presentation, 27th International Stroke Conference, San Antonio, TX, February 2002.
47. Bae CJ, De Georgia MA, Andrefksy JC, **Katzan IL**. The Modified NIH Stroke Scale Combined with Intracerebral Hemorrhage Volume and Intraventricular Hemorrhage Predicts 3-Month Mortality and Functional Outcome. 27th International Stroke Conference, San Antonio, TX, February 2002.
48. **Koroukian SM**, Gharrity K, Rimm AA. *Fee-For-Service vs. Managed Care: Analysis of birth weight in the Ohio AFDC population.* AHCPR/NRSA Annual Trainee Meeting, and AHSR Annual Meeting, Atlanta, Georgia, June 1996.
49. **Koroukian SM**, Trisel B, Rimm AA. Estimating the Rates of Unnecessary C-Sections in Ohio. AHCPR/NRSA Annual Trainee Meeting, Chicago, June 1997.
50. **Koroukian SM**, Trisel B, Rimm AA. Medicaid Fee-for-Service versus HMO: Adjusted Rates of Primary and Repeat C-sections in Ohio. AHCPR/NRSA Annual Trainee Meeting, and AHSR Annual Meeting, Washington, DC, June 1998.
51. **Koroukian SM**, Bush D, Rimm AA. Comparison of Cesarean Section Rates Between Fee-for-Service and Managed Care in the Ohio Medicaid Population, 1992-1996. AHCPR/NRSA Annual Trainee Meeting, and AHSR Annual Meeting, Chicago, June 1999.
52. Cooper GS, **Koroukian SM**, Chak A, Rimm AA. Association of initial Gastroesophageal Reflux Disease (GERD) therapy and the costs of GERD related health services in the Ohio Medicaid population. Digestive Disease Weekly, San Diego, May 2000.
53. Cooper GS, **Koroukian SM**, Chak A, Rimm AA. Use of procedures and medications among patients with Gastroesophageal Reflux Disease (GERD) in the Ohio Medicaid population. Digestive Disease Weekly, San Diego, May 2000
54. **Koroukian SM**, Rimm AA. Comparison of cesarean section versus vaginal delivery for postpartum complications by type of delivery in the Ohio Medicaid population. AHCPR/NRSA Annual Trainee Meeting, and AHSR Annual Meeting, Los Angeles, June 2000.

**Abstracts cont.**

55. **Koroukian SM.** Assessing postpartum morbidity by type of delivery using drug utilization data. AHCPR/NRSA Annual Trainee Meeting, Atlanta, June 2001.
56. **Koroukian SM,** Cooper GS, Rimm AA. The linked Ohio Cancer Incidence Surveillance System and Medicaid Files: An Example of Health Data Integration. National Association of Health Data Organization (NAHDO) National Meeting, December, 2001.
57. **Koroukian SM,** Cooper GS. Disparities by Medicaid Status in the Use of Breast Conserving Surgery for Breast Cancer Treatment. AHSR Annual Meeting, Washington, DC, June 2002.
58. **Barzilai DA, Koroukian SM,** Cooper GS, Neuhauser D, Cooper K, Rimm AA. The Sensitivity of Medicare claims in case ascertainment of invasive malignant melanoma. NRSA Annual Trainee Meeting, Washington, DC, June 2002.
59. Cooper GS, **Koroukian SM.** Association Of Medicare Reimbursement With Use Of Colorectal Procedures. American College of Gastroenterology Annual Meeting, Seattle, WA, October 2002.
60. Cooper GS, **Koroukian SM.** Colorectal Procedures In Medicare Beneficiaries: Association With Gender, Race And Age. American College of Gastroenterology Annual Meeting, Seattle, WA, October 2002.
61. Caiola E, Hewson M, **Litaker D,** Isaacson JH. Expectations and Satisfaction in GIM Fellowship Training. 24<sup>th</sup> Annual Meeting, Society of General Internal Medicine, San Diego, CA, May 2001.
62. Caiola E, Copeland L, Hewson M, **Litaker D.** Comparing Physician Role Models' Self-Perceived Teaching Effectiveness to Their Resident Teaching Evaluations. 25<sup>th</sup> Annual Meeting, Society of General Internal medicine, Atlanta, GA, May 2002.
63. **Litaker D,** Einstadter D. Characteristics of Areas with High and Low Unmet Health Care Needs in Ohio. Annual Meeting, Association for Health Services Research, Washington, DC, June 2002.
64. **Litaker D,** Cebul RD. Insurance Status, HMO Market Penetration, and Health Care Access: Results of a Multi-level Analysis. Annual Meeting, Association for Health Services Research, Washington, DC, June 2002.
65. **Litaker D,** Regional Variation in Health System Resources and Access To Health Care in Ohio. Accepted June 4, 2002, Case Western Reserve University, Department of Epidemiology and Biostatistics, Cleveland, Ohio.
66. **Merlino JI,** Malangoni MA, Cebul RD. Incidence of Complications by Gender in Patients Undergoing Coronary Artery Bypass Surgery: Preliminary Analysis of a Large Community Based Cohort. In preparation for submission to Central Surgical Society meeting.
67. **Merlino JI,** Yowler CJ, Fallon WF. Examining Missed Injuries at Trauma Centers: A National Trauma Center Survey. In preparation for submission to the Association Academic Surgery Meeting.
68. Temes RT, Times ML, **Merlino JI,** Gill IS, Rice TW. A Prospective Comparison of Lung Biopsies taken from the Lingula and the Lower Lobe of the Same Patients: Findings in 19 Sequential Cases. Chest 2002, Annual Meeting.
69. Neiman CJ, **Merlino JI,** Super D, Manacci C, Lorenz L, et al. Use of the Broselow Tape for Pediatric Emergencies May Result in the Under Resuscitation of Children. Air-Medical Transport Conference, 2002.
70. Dubchuk V, **Merlino JI,** Stellato TA. New Look on the Role of Computed Tomography Guided Fine Needle Aspiration in the Surgical Management of Patients with Undiagnosed Pancreatic Masses. Presented at the Annual Meeting of the Cleveland Surgical Society, May 2002.

## Abstracts cont.

71. **Merlino JI**, Minotti A, Ko K, McHenry CR. The False-Negative Technetium-99m-Sestamibi Scan in Patients with Primary Hyperparathyroidism: Correlation with Clinical Factors and Operative Findings. Midwest Surgical Society, August, 2002.
72. **Merlino JI**, Malangoni MA, Smith C, Lang L. Prospective Randomized Trials Affect the Outcomes of Patients with Intra-Abdominal Infection. Presented Southern Surgical Society Meeting, December, 2000.
73. Malangoni, MA, Times, ML, Kozik D, **Merlino JI**. Admitting Service Affects Outcomes of Patients with Small Bowel Obstruction. Presented Central Surgical Association Meeting, March, 2001.
74. Polk JD, **Merlino JI**, Fallon WF. Fetal Evaluation for Transport by Ultrasound (F.E.T.U.S.). Submitted for Publication and in critical review for Pre-hospital Emergency Care Journal.
75. **Merlino JI**, Yowler, CJ, Malangoni MA. Nosocomial Infections Adversely Affect the Outcomes of Patients with Severe Intraabdominal Infections. *Surg Infect.* 2002;3:79. Presented at the Annual Meeting of the Surgical Infection Society, May, 2002.
76. Neiman C, **Merlino JI**, Polk JD, Kovach B, Mancuso C, Fallon WF. Variations in pediatric airway management. Presented Air-Medical Transport Conference, September, 2000. (Need Citation).
77. **Merlino JI**, Polk JD, Kovach B, Mancuso C, Fallon WF. Critical Care in the Air: Medical Interventions During Air Transport of Cardiac Patients on Ventricular Assistance. Presented Air-Medical Transport Conference, September 2000. (Need Citation)
78. **Miller L-AN**, Singer ME. "Evaluation of Prophylactic Options for Ashkenazi Jewish Women with BRCA Mutation: A Decision Analysis", *Proceedings of the American Association for Cancer Research*, Vole 41, March 2000.
79. Singer ME, Beaird H, **Miller L-AN**. "Risk Attitude: Association with Magnitude of Risk and Patient Characteristics", *Value in Health*, Vol. 4 (2), March 2001.
80. **Miller L-AN**, Singer ME, Weisner, GL. "Increased Screening vs. Prophylaxis in BRCA carriers: A Decision Analysis", *Medical Decision Making*, Vol. 20 (4): Oct - Dec 2000.
81. **Sandhaus LM**, Osei ES, Agrawal NN, Dillman CA, Meyerson HJ. Platelet Counting by the Coulter LH 750, Sysmex XE 2100 and Advia 120: A comparative analysis using the RBC/Platelet ratio reference method. Presented at International Society of Laboratory Hematology, Banff, Alberta, April 2002.
82. **Sandhaus LM** and Meyer P. Designing hematology laboratory reports that are clinically relevant. Presented at International Society of Laboratory Hematology, Banff, Alberta, April 2002.
83. **Sarver JH**, Cydulka RK. Comparison of People who report using an Emergency Department as a Usual Source of Care with People who report using a Hospital Outpatient Clinic as a Usual Source of Care. *Annals Emerg. Med.* 2000 October;36(4):S1.
84. **Sarver JH**, Cydulka RK. Emergency Department Provision of Nonurgent Care and Waiting Time to See a Physician. *Acad. Emerg. Med.* 2001 May;8(5):576.
85. **Sarver JH**, **Tsai AC**, Cydulka RK, Dor A, Baker DW. Charitable emergency care: the uninsured, Medicaid, Medicare, and the privately insured. Research Forum, American College of Emergency Physicians Scientific Assembly; Chicago IL, October 2001.

## Abstracts cont.

86. **Sarver JH**, Baker DW. Effects of Language on Referral Rates after an Emergency Department Visit, Association of Health Services Research, Annual Trainees' Conference, Chicago, June 1999.
87. **Sarver JH**, Cydulka RK, Baker DW. Factors Associated with Emergency Department Use by People with a Usual Source of Care, Association of Health Services Research, Annual Conference, Los Angeles, June 2000.
88. **Sarver JH**, Sudano J, Baker DW. Financial Barriers to Medication Use Among the Elderly, Association of Health Services Research, Annual Conference, Los Angeles, June 2000.
89. **Sarver JH**, Baker DW. Changes in Healthcare Use for Individuals who Lose or Gain Private Insurance, Academy of Health Services Research and Policy, Annual Trainees' Conference, Atlanta, June 2001
90. **Tsai AC**, **Sarver JH**, Cydulka RK, Baker DW. Declining payments for emergency care, 1996-1998. National Research Service Award Trainees Conference at the Annual Research Meeting, Academy for Health Services Research and Health Policy; Washington DC, June 2002.
91. **Tsai AC**, Lurie P, Sehgal AR. An outbreak of Internet ciprofloxacin sales following an outbreak of anthrax. National Research Service Award Trainees Conference at the Annual Research Meeting, Academy for Health Services Research and Health Policy; Washington DC, June 2002.
92. **Tsai AC**, So AD. The impact of tobacco on the lives and livelihoods of the poor in Bangladesh. Primary Care Track Research Day, Case Western Reserve University School of Medicine; Cleveland OH, November 2000.

## II. Publications

### A. Original Papers

1. Mahajan L, Klein A, Wyllie R, Kay M, **Applegate K**, Sabella C, Kuivila T. Atlantoaxial Subluxation and Pericarditis in a Child with Crohn's Disease. *Am J Gastroenterol* 2001;96(11):3190-3191.
2. Bardo D, **Applegate KE**, Goske MJ, Kuivila T, Goldfarb J. Sonographic Diagnosis of Acute Thrombosis in Superficial Venous Varices in a Child's Knee. *J Clin Ultrasound* 1998;26(9):470-473.
3. Saneto RP, **Applegate KE**, Frankel DG. Atypical Manifestations of Two Cases of Trisomy 9 Syndrome: Rethinking Developmental Delay. *Am J Med Gen* 1998;80(1):42-45.
4. **Applegate KE**, Ghei M, Perez-Atayde AR. Prenatal Detection of a Solitary Liver Adenoma. A Case Report and Review of the Literature. *Pediatr Radiol* 1999;29(2):92-94.
5. **Applegate KE**, Ghei M, Perez-Atayde AR, Beckwith JB. Prenatal Detection of a Wilms Tumor. A Case Report and Review of the Literature. *Pediatr Radiol* 1999;29(1):65-67.
6. **Applegate KE**, Goske MJ, Pierce G, Murphy D. Situs Revisited: Chest X-ray Recognition, Embryology, and Imaging of Heterotaxy Syndromes. *RadioGraphics* 1999;19(4):837-852 (with CME study questions).
7. Goske MJ, Goldblum JR, **Applegate KE**, Mitchell CS, Bardo D. The "Circle Sign": A New Sonographic Sign of Pneumatosis Intestinalis-Clinical, Pathologic, and Experimental Findings. *Pediatr Radiol* 1999;29:530-535.
8. Fordham, LA, **Applegate KE**, Wilkes D, Chung CJ. Fibular Hemimelia: More Than Just an Absent Bone. *Seminars in Musculoskeletal Radiology* 1999;3(3):227-237.

## Publications cont.

9. Anton C, **Applegate KE**, Kuivila TE. Proximal Focal Femoral Deficiency (PFFD). *Seminars in Musculoskeletal Radiology* 1999;3(3):215-225.
10. **Applegate KE**, Finkelstein M, Gross G. The Imaging of Musculoskeletal Trauma in Child Abuse. *Seminars in Musculoskeletal Radiology* 1999;3(4):351-358.
11. Sivit CJ, **Applegate KE**, Berlin SC, Myers, MT, Stallion A, Dudgeon DL, Borisa V, Morrison SC, Weinert DM, Grisoni ER. Helical CT for the Evaluation of Suspected Appendicitis in Children. *Radiology* 2000;216:430-433.
12. Montgomery AB, Gilkeson RC, Glauser J, **Applegate KE**. The Role of Spiral CT Using the Pulmonary Embolus Protocol: A Comparison of Emergency Department and Hospitalized Populations. *Emergency Radiology* 2000;7:25-30.
13. **Applegate KE**, Sivit CJ, Myers MT, Pschesang B. Helical CT diagnosis of acute appendicitis in children: spectrum of CT findings. *AJR* 2001;176:501-505.
14. **Applegate KE**, Crewson PE. An Introduction to Biostatistics. (*Radiology*, Nov 2002, in press, for 16 article series).
15. Obuchowski N, **Applegate KE**, Goske MJ, Arheart K, Morrison S, Myers M. The 'Differential Diagnosis' for Multiple Diseases: Comparison to the binary truth experiment in two empirical studies. *Acad Radiol* 2001;8:947-954.
16. **Applegate KE**, Dardinger JT, Lieber ML, Herts BR, Davros WJ, Obuchowski NA, Maneker A. Spiral CT scanning technique in the detection of aspiration of LEGO foreign bodies. *Pediatr Radiol* 2001;31:836-840.
17. **Applegate KE**, Connolly LP, Treves ST. Reply. Prospective comparison of SPECT, pinhole, and planar Tc-99m DMSA imaging for the detection of renal cortical defects. *Clin Nucl Med* 1998.
18. Linnell GJ, **Applegate KE**. Mediastinal and Abdominal Lymphadenopathy Imitating Lymphoma in and Adolescent with Autoimmune Hepatitis. *Pediatr Radiol* 2001; 31(6):458-459.
19. **Applegate KE**. Reply. Situs Revisited: Chest X-ray Recognition, Embryology, and Imaging of Heterotaxy Syndromes. *Radiographics* 1999;19(4): 854.
20. **Barzilai, DA**, Goodwin MA, Zyzanski SJ, Stange KC. Does health habit counseling affect patient satisfaction? *Prev Med* 2001;33(6):595-9.
21. Ng PC, **Barzilai DA**, Ismail SA, Avaritte RL, Gilliam AC. Evaluating Invasive Cutaneous Melanoma: Is the initial biopsy representative of the final depth? (In press, *J Amer Academy of Dermatology*).
22. Baron E, **Barzilai DA**, Johnston G, Kawashima M, Takigawa M, Nakagawa H, Graham-Brown RA, Green S, and Stevens SR. Atopic dermatitis management: comparing the treatment patterns of dermatologists in Japan, U.S., and U.K. (In press, *British Journal of Dermatology*).
23. **Barzilai D**. DermatoEpidemiology Curriculum Instituted at CWRU. *Dermatology Resident Roundup*. March/April 2002: 6.
24. Splaine M, and **Caron A**. Enhancing Diabetes Care Using Statistical Process Control Charts. *Endocrinologist*, 2002, Vol. 12.

## Publications cont.

25. **Caron A**, and **Neuhauser D**. The Effect of Public Accountability on Hospital Performance: Trends in Rates for Cesarean Sections and Vaginal Births after Cesarean Section in Cleveland, Ohio. *Quality Management in Health Care*, 7(2), 1999; 1-10.
26. **Caron A**, and **Neuhauser D**. Healthcare Organization Improvement Reports Using Control Charts For Key Quality Characteristics: ORYX Measures as Examples. *Quality Management in Health Care*, 9:3, Spring 2000; 28-39.
27. **Katzan IL**, Masaryk TJ, **Furlan AJ**, Sila CA, et al. Intra-arterial Thrombolysis for Perioperative Stroke After Open Heart Surgery. *Neurology*, 1999; 52:1081-1084.
28. **Katzan IL**, **Furlan AJ**, Lloyd LE, Frank JI, Harper DL, Hinchey JA, Sila CA. Use of Tissue Plasminogen Activator for Acute Ischemic Stroke - The Cleveland Area Experience. *JAMA*, 2000; 283:1151-1158.
29. Rasmussen PA, Perl J, Barr DJ, Markarian GZ, **Katzan I**, Sila C, Krieger D, **Furlan AJ**, Masaryk TJ. Stent - assisted Angioplasty of Intracranial Vertebrobasilar Atherosclerosis: An Initial Experience. *J. Neurosurgery* 2000; 92:771-8.
30. **Furlan AJ**, Higashida R, **Katzan I**, Abou-Chebl A. Intra-arterial Thrombolysis in Acute Ischemic Stroke. In: Patrick Lyden (ed). Thrombolytic Therapy for Stroke. *Humana Press*, 2001.
31. **Katzan IL**, Sila CA, **Furlan AJ**. Community Use of IV tPA for Acute Stroke: Results of the Brain Matters Stroke Management Workshops Survey. *Stroke* 2001;32:861-5.
32. Chalela JA, **Katzan IL**, Liebeskind D, Rasmussen P, Zaidat O, Suarez J, Chiu D, Klucznick RP, Jauch E, Cucchiara B, Kasner SE. Safety of Intra-arterial Thrombolysis in the Post-operative Period. *Stroke* 2001;32:1365-8.
33. Krieger DW, De Georgia MA, Abou-Chebl A, Andrefsky JC, Sila CA, **Katzan IL**, Mayberg MR, **Furlan AJ**. Cooling for Acute Ischemic Brain Damage (COOL AID): An Open Pilot Study of Induced Hypothermia in Acute Ischemic Stroke. *Stroke* 2001 32: 1847-1854.
34. Moazami N, Smedira NG, McCarthy PM, **Katzan I**, Sila CA, Lytle BW, Cosgrove DM. Safety and Efficacy of Intra-arterial Thrombolysis for Perioperative Stroke After Cardiac Surgery. *Annals of Thoracic Surgery*. *Annals of Thoracic Surgery* 2001; 72(6):1933-7; discussion 1937-9.
35. **Koroukian SM**, **Rimm AA**. Declining Trends in Cesarean Sections, Ohio 1989-1996: Analysis by Indications. *Birth: Issues in Perinatal Care*, 2000; 27(1): 12-18.
36. **Koroukian SM**, Bush D, **Rimm AA**. Comparison of Cesarean Section Rates in Fee-for-Service versus Managed Care Patients in the Ohio Medicaid Population, 1992-1997. *Am J Managed Care*, 2001; 7:134-142.
37. **Koroukian SM**, **Rimm AA**. The Adequacy of Prenatal Care Utilization (APNCU) Index to study low birth weight: Is the Index biased? *J of Clin Epid*, 2002; 55(3): 296-305.
38. **Koroukian SM**. Uterine Rupture among Women with Prior Cesarean Delivery. *N Engl J Med*, 2002; 346:135.
39. **Koroukian SM**. Racial Disparities in Health Care. *JAMA*, 2002; 287(22):2942.
40. Franco KN, **Litaker D**, Locala J, Bronson D. The Cost of Delirium in the Surgical Patient. *Psychosomatics*. 2001;42:68-73.
41. **Litaker D**, Locala J, Franco K, Bronson D, Tannous Z. Preoperative risk factors for delirium. *General Hospital Psychiatry*. 2001;23:84-89.

## Publications cont.

42. **Litaker D.** New technology in quality of life research: Are all computer-assisted approaches created equal? *Quality of Life Research* (in press).
43. Planavsky LA, Mion LC, **Litaker D**, Kippes CM, Mehta, N. Ending a nurse practitioner-patient relationship: Uncovering patients' perceptions. *J Amer Assoc of Nurse Practitioners* 2001;13(9):428-432.
44. Ramasubbu K, Gurm H, **Litaker D.** Gender Bias in Clinical Trials: Do double standards still apply? *J Women's Health*. 2001;10(8):757-764.
45. Farid I, **Litaker D**, Tetzlaff JE. Implementing ACC/AHA guidelines for the preoperative management of patients with coronary artery disease scheduled for noncardiac surgery: Effect on perioperative outcome. *J Clinical Anesthesia*. 2002;14(2):126-128.
46. **Merlino JI**, Polk JD, Kovach B, Mancuso C, Fallon WF. Critical Care in the Air: Medical Interventions During Air Transport of Cardiac Patients on Ventricular Assistance. *Air Medical Journal*. (In press).
47. **Merlino JI**, Yowler CJ, Malangoni MA. Nosocomial Infections Adversely Affect the Outcomes of Patients with Severe Intraabdominal Infections. *Surgical Infections*. (In press)
48. Malangoni, MA, Times, ML, Kozik D, **Merlino JI**. Admitting Service Affects Outcomes of Patients with Small Bowel Obstruction. *Surg*. 2001;130:706-13.
49. Neiman CJ, **Merlino JI**, Polk JD, Kovach B, Mancuso C, Fallon WF. Intubated Pediatric Patients Requiring Transport: A Review of Patients, Indications, and Standards. *Air Med Jr*. 2002;21;1-4.
50. **Merlino JI**, Malangoni MA, Smith C, Lang L. Prospective Randomized Trials Affect the Outcomes of Intraabdominal Infection. *Ann Surg*. 2001;233:859-866.
51. **Merlino JI**, Temes RT, Gill IS, Rice TW. Invasive Pulmonary Mucormycoses and a Pseudoaneurysm. *Annals of Thoracic Surgery*. (in press).
52. **Merlino JI**, Dolinak D, Willis J, Demers ML. Cystic Gastric Leiomyosarcoma: A Case of Mistaken Identity. *Surg Rds*. 2002;25:223-33.
53. **Merlino JI**, Malangoni MA, Smith C, Lang L. Prospective Randomized Trials Affect the Outcomes of Intraabdominal Infection. Abstracted in 2002 Year Book of Surgery, Mosby-Year book.
54. **Sandhaus LM**, Edinger MG, Tubbs RR, Goormastic M, Baucro PA, Serafino SE and Bolwell BJ. A simplified method of CD34+ cell determination for peripheral blood progenitor cell transplantation and correlation with clinical engraftment. *Exp Hematol* 26: 73-78, 1998.
55. Nasser RM, Hajjar I, **Sandhaus LM**, Hall GS, Avery RK, Bolwell, BJ, Longworth DL, and Adal KA. Routine cultures of bone marrow and peripheral stem cell harvests: clinical impact, cost analysis, and review. *Clinical Infectious Diseases* 27:836-8, 1998.
56. Shapiro JL, Lichtin AF, and **Sandhaus LM**. Clinical Pathology Rounds: persistent polyclonal B-lymphocytosis. *Lab Med* 30: 510-513, 1999.
57. **Sandhaus LM**, Singer ME, Dawson NV, Wiesner GL. Reporting BRCA test results to primary care physicians. *Genetics in Medicine* 3:327-334, 2001.

## Publications cont.

58. **Sandhaus LM**, Osei ES, Agrawal NN, Dillman CA, Meyerson HJ. Platelet Counting by the Coulter LH 750, Sysmex XE 2100 and Advia 120: A comparative analysis using the RBC/Platelet ratio reference method. *Am J Clin Pathol* 118;235-241,2002.
59. **Sandhaus LM** and Meyer P. How useful do clinicians find CBC and Reticulocyte Reports? *Am J Clin Pathol*, April, in Sarver JH, Baker DW. Effects of Language Barriers on follow-up Appointments After an Emergency Department Visit, *J of Genl Int Med* 2000;15:256-264.
60. **Sarver JH**, Cydulka RK, **Baker DW**. Aspects of Usual Source of Care and Non-urgent Emergency Department Use, *Acad Emerg Med*, accepted April 2002, in press.
61. **Sarver JH**, **Baker DW**. Effects of Language on Referral Rates after an Emergency Department Visit, Association of Health Services Research, Annual Trainees' Conference, Chicago, June 1999.
62. Cydulka RK, **McFadden ER**, **Sarver JH**, Emerman CL. Comparison of Single Dose Treatment vs Sequential Multi-Dose Treatment with Nebulized Albuterol in the Treatment of Acute Asthma, *Chest*, accepted June 2002, in press.
63. **Sehgal AR**, **Dor A**, **Tsai AC**. Morbidity and cost implications of inadequate dialysis. *Am J Kidney Dis*. 2001 (Jun);37(6):1223-1231.
64. **Tsai AC**, Lurie P, Sehgal AR. An outbreak of Web sites selling ciprofloxacin following an outbreak of anthrax. *Am J Med*. 2002 (Sept 1);113(5): forthcoming.
65. Lerner J, Shane H, **Tsai AC**. Do equity financing cycles matter? Evidence from biotechnology alliances. Submitted to the *Journal of Financial Economics* on June 12, 2001. Revised and accepted for publication on January 21, 2002.
66. **Tsai AC**. Free software and physician profiling. *JAMA*. 2002 (Jan 2);287(1):45.(letter)
67. **Tsai AC**. Concern about drug reps. *Health Affairs*. 2002 (Jul/Aug);21(4): 296-297.(letter)

## B. Reports, Chapters, Letters, and Editorials

1. Mitchell C, Goske MJ, **Applegate KE**. Diagnostic Tests, In: Congenital Malformations of the Female Genital Tract-Diagnosis and Management. **Gidwani GP**, **Falcone T** (ed); Lippincott-Raven, Philadelphia, 1999.
2. **Applegate KE**. The Pediatric Spleen, In: CT/MR of the whole body. **Haaga JR** (ed); (in press, 2002).
3. **Applegate KE**, **Singer ME**. The Use of Cost-Effectiveness Analysis in Imaging. (chapter in Radiology-Diagnosis, Imaging, Intervention. **Taveras J** and **Ferrucci J** Eds. in progress for 7/03).
4. **Applegate KE**, **Neuhauser D**. Re: Whose Aunt Minnie. (Letter to editor) *Radiology* 1999;211(1):292.
5. **Applegate KE**, **Singer ME**. Cost-Effectiveness Analysis. [Invited Commentary] *J Urology* 2000; 163:566-7.
6. **Barzilai D**. Efficacy of sunscreen in preventing nevi. *JAMA* 2000;284(22):2870. (Letter)
7. **Barzilai D**, **Rimm A**. Conventional medical care and unconventional therapies. *JAMA* 2000;283(1):56; 57.
8. **Conroy B** and **Neuhauser, D**. (2002) Remaking teams: the revolutionary research-based guide that puts theory into practice. *J of Interprofessional Care*. 16(1), 89-90.

### Reports, Chapters, Letters, and Editorials cont.

9. **Caron A**, and Neuhauser D. Improving Quality In The New Information Age of Medicine. *Health Affairs*. March, 1998; 219.
10. **Davidson C**, Neuhauser D, “Review of ‘Disability: Controversial Debates and Psychosocial Perspectives,’ by Deborah Marks” in *Disability and Rehabilitation*, 2001; 23(2), 96.
11. **Katzan IL**, Furlan AJ. Thrombolytic Therapy. In: Marc Fisher, Julien Bogousslavsky (eds.). Current Review of Cerebrovascular Disease, Fourth edition, Philadelphia: *Current Science*, 2000
12. Skidmore C, **Katzan IL**. Stroke: An Overview. In William Carey, (Ed) The Cleveland Clinic Disease Management Project, On-line Medical Reference Guide, 2002.
13. **Koroukian SM**, Trisel B, Rimm AA. Estimating the Proportion of Unnecessary C-sections using Ohio Birth Certificates. *Journal of Clinical Epidemiology*, 1998; 51(12):1327-1334. Erratum -- *Journal of Clinical Epidemiology*, 1999; 52(4): 379.
14. Sudano JJ, Cebul RD, **Litaker D**, Baker DW. Analysis of Racial and Ethnic Differences in Health Care Utilization in the 1998 Ohio Family Health Survey. Report to the Ohio Department of Health. June, 2001.
15. Sudano JJ, Cebul RD, **Litaker D**, Baker DW. Access, Satisfaction and Quality of Care in the 1998 Ohio Family Health Survey. Report to the Ohio Department of Health. June, 2001.
16. Neiman CJ, **Merlino JI**, Polk JD, Kovach B, Mancuso C, Fallon WF. Out-of-Hospital Endotracheal Intubation of Children. Letter in *JAMA* 2000;283:21.(letter)
17. **Miller LA**, Singer ME. “Benefit of prophylactic mastectomy for women with BRCA1 or BRCA2 mutations” (Letter), *JAMA* Vol. 283(23): 3070; discussion 3071-2.
18. **Tsai AC**, Neuhauser D. Book review: Partnerships on Healthcare: transforming relational processes”, *J of Interprofessional Care*, Vol. 13 (3), Aug 1999.

### III. Presentations

1. **Applegate KE**, Faculty, Special Focus Session, ‘What is Health Services Research?’, Radiologic Society of North America, Annual Meeting, Chicago, Nov 2002.
2. **Applegate KE**, Faculty, Introduction to Research Program for radiology residents: ‘What is Health Services Research?’ Radiologic Society of North America, Annual Meeting, Chicago, Nov 2002.
3. **Applegate KE**, Visiting Professor, Khon Kaen University, northeastern Thailand and Vientiane, Laos, Fall 2002.
4. **Applegate KE**, Faculty, ‘Imaging Questions and Challenges’, American Academy of Pediatrics Annual Mtg, Oct 19-23 2002.
5. **Applegate KE**, Research in Progress Seminar, children’s health services research group, Riley, June 2002.
6. **Applegate KE**, Research Presentation, ‘Prospective trial of CT in children with acute abdominal pain’, Methodist Emergency Department Research Seminar, May 2002.
7. **Applegate KE**, Faculty, 30<sup>th</sup> Annual Child Care Conference, Riley Hospital for Children, May 15 2002.

## **Presentations cont.**

8. **Applegate KE**, Faculty, Introduction to Research Program for radiology residents, 'Continuous Quality Improvement for Radiologists', May 1, 2002 Atlanta.
9. **Applegate KE**, Faculty, 'The Propensity Score Method for Reducing Bias in Retrospective Research', Society for Health Services Research in Radiology, Annual Meeting, conjoint with the Association for University Radiologists, Phoenix, AZ, April 2002.
10. **Applegate KE**, Faculty, 'How to Build a High Performance Work Group' at Association for University Radiologists-Kodak Radiology Management Course, Phoenix, AZ, April 2002.
11. **Applegate KE**, Faculty, 'What is Cost-effectiveness Analysis and Why Do We Need to Know about it?'; 'How to Read the Cost-Effectiveness Literature'; 'Health Services Research—Why it is Valuable, How it is Done, and Where to Get Funding'; in Radiology Business Management Course, sponsored by Radiologic Society of North America, Phoenix, AZ, Feb 2002.
12. **Applegate KE**, Faculty, Mini-medical school course, Indiana University, 'Pediatric Radiology, Health Services Research and the two medical career family', Feb 12 2001.
13. **Applegate KE**, Faculty, 'Comprehensive Evaluation of Skeletal Injuries', Annual Seminar, Non-Accidental Head Injuries in Infants, Riley Hospital for Children, Indianapolis, Nov 2001.
14. **Applegate KE**, Faculty, 'An Introduction to Cost-effectiveness Analysis', Society for Health Services Research in Radiology, Annual Meeting, San Diego, CA, Oct 2001.
15. **Applegate KE**, Thesis Defense, 'Utilization and cost of imaging children with acute abdominal pain presenting to the emergency department: a comparison of capitated versus fee-for-service plans', Case Western Reserve University, Department of Epidemiology and Biostatistics, Cleveland, OH, Apr 2001.
16. **Applegate KE**, Faculty, 'Clinical Radiology Research and Epidemiology: Pros and Cons', Cincinnati Children's Hospital Department of Radiology, Cincinnati, OH, Feb 2001.
17. **Applegate KE**, Invited Panelist, Refresher Course, 'When appendicitis is suspected in children: Imaging Outcomes', Radiologic Society of North America, Annual Meeting, Chicago, Nov 2000.
18. **Applegate KE**, Faculty, 'Research Study Design: Pros and Cons', Society for Health Services Research in Radiology, Annual Meeting, Washington, D.C., Oct 2000.
19. **Applegate KE**, Pediatric resident board review, 'Utility of chest and abdominal radiographs in children', Rainbow Babies & Children's Hospital, Cleveland, OH, May 2000.
20. **Applegate KE**, Faculty, Refresher Course, 'Imaging in children with right lower quadrant pain', American Roentgen Ray Society, Annual Meeting, Washington, D.C. May 2000.
21. **Applegate KE**, Invited Speaker, The 1999-2000 Scholar Report, American Roentgen Ray Society, Annual Meeting, Washington, D.C. May 2000.
22. **Applegate KE**, Visiting Professor, 'Imaging Children with Acute Abdominal Pain: A Health Services Approach; 'How to Read the Cost-effectiveness Analysis Literature', Department of Radiology, University of Cincinnati Children's Hospital, Cincinnati, OH, Apr 2000.
23. **Applegate KE**, Visiting Professor, 'Imaging Children with Acute Abdominal Pain: Utilization, Cost-effectiveness Analysis, and Impact on Appendectomy Outcomes'; and resident board review, Department of Radiology, University of Missouri Health Sciences Center, Columbia, MO, Mar 2000.

## **Presentations cont.**

24. **Applegate KE**, Small group co-leader, Continuous Quality Improvement in Medicine, Case Western Reserve University, First Year Medical Student Curriculum, Cleveland, OH, Feb & Mar 2000.
25. **Applegate KE**, Grand Rounds Lecturer ‘The role of imaging in children with abdominal pain: a health services research perspective’, Department of Radiology, University Hospital, Cleveland, OH, Feb 2000.
26. **Applegate KE**, Panelist, Focus Session ‘When appendicitis is suspected in children’, Radiologic Society of North America, Annual Meeting, Chicago, Nov 1999.
27. **Applegate KE**, Invited Lecturer, ‘Epidemiology and Appropriateness of Imaging Children with Acute Abdominal Pain in an Emergency Department Setting’, Department of Radiology, University of Chapel Hill, Chapel Hill, NC, Nov 1999.
28. **Applegate KE**, Faculty, Society for Health Services Research in Radiology Annual Meeting, “The Importance of Sample Size and Power in Research Design”, Washington, D.C., Sept 1999.
29. **Applegate KE**, Pediatric resident board review, “Pediatric Orthopedic Radiology” and “Pediatric Neuroradiology”, Rainbow Babies & Children’s Hospital, Cleveland, OH, Jun 1999.
30. **Applegate KE**, Seminar presentation “Imaging utilization and clinical characteristics of children with abdominal pain seen in side-by-side emergency rooms”, I.M. Page Center for Health Outcomes Research, Cleveland Clinic Foundation, Cleveland, OH, Jun 1999.
31. **Applegate KE**, Lecturer, ‘Imaging Surprises in Child Abuse’, Ohio American Academy of Pediatrics child abuse committee mtg., Columbus Children’s Hospital, Columbus, OH, Jun 1999.
32. **Applegate KE**, Research in Progress Seminar presentation “The MANTRELS score for children with acute abdominal pain seen in the emergency room”, Division of Clinical Epidemiology, Rainbow Babies & Children’s Hospital, Cleveland, OH, Mar 1999.
33. **Applegate KE**, Seminar presentation “Risk adjustment using the MANTRELS score for children with acute abdominal pain seen in the emergency room”, Health Services Research section of the Department of Biostatistics and Epidemiology of CWRU, MetroHealth Hospital, Cleveland, OH, Feb 1999.
34. **Applegate KE**, Faculty, Fourth Annual Pediatric Review Course, “Pediatric Orthopedic Radiology” and “Pediatric Neuroradiology”, Cleveland Clinic Foundation, OH, Sept 1998.
35. **Applegate KE**, In-service for technologists, “The Imaging of Child Abuse”, Cleveland Clinic Foundation, Division of Radiology, Cleveland, OH, Aug 1998.
36. **Applegate KE**, Pediatric Abdominal Ultrasound Imaging “How To Do It” lecture for ultrasound technologists-in-training, Sanford-Brown Institute, Independence, OH, Jul 1998.
37. **Applegate KE**, Lecturer, Medical-Pediatric monthly conference: “Pediatric and Adolescent Orthopedic Radiology: Fractures, Infections and Tumors”, Cleveland Clinic Foundation, Cleveland, OH, May 1998.
38. **Applegate KE**, Seminar presentation: “The Impact of Imaging on Abdominal Pain in Children in a Fee-For-Service ED vs. HMO ED”, The I.M. Page Center for Health Outcomes Research, Cleveland Clinic Foundation, Cleveland, OH, Jan 1998.
39. **Applegate KE**, Sivit CJ, Pschesang BP, Myers MT. Overlapping Spectrum of Appearance of Acute Appendicitis and the Normal Appendix at Helical CT. Scientific exhibit, IPR Annual Meeting, Paris, May, 2001.

## **Presentations cont.**

40. Gilkeson C, **Applegate KE**. Multidetector CT for the evaluation of congenital cardiovascular disease in children. Scientific exhibit at Society for Thoracic Radiology annual meeting, April 2001.
41. Arnold BC, Blackham K, **Applegate KE**, Sivit CJ. Accuracy of rectal versus oral contrast thin section CT in children with clinically suspected appendicitis. Science Day oral presentation, Rainbow Babies & Children's Hospital, Cleveland, Jun 2001.
42. **Barzilai D**. Introduction to SEER-Medicare Data. Statistical Analysis II, Case Western Reserve University, 2002, Cleveland, Ohio.
43. **Barzilai D**. How to Read a Scientific Paper. Health and Society Counsel of the University of Rochester, 1999, Rochester, New York.
44. **Conroy B**, American Association of Physicians Assistants: Understanding and Reducing Cardiovascular Disease Health Disparities among Racial and Ethnic Minorities. Policies, Practice, and Strategies to Improve Quality of Care and Outcomes. Boston, MA, May, 2002.
45. **Conroy B**, Case Western Reserve University School of Medicine: "Restoration of Health and Balance through 'art'; an American Indian perspective, 2002.
46. **Conroy B**, Improving the Quality of Care for Sickle Cell Patients: An Assessment of Current Practices and Recommendations to Metro-Health Medical Center, Cleveland, OH, 2000.
47. **Conroy B**, Association of American Indian Physicians, Medical School Pre-Admission Workshop, University of Minnesota-Minneapolis School of Medicine, Center for American Indian Studies: AMCAS application and personal essay and the MCAT, Minneapolis, MN, 1999.
48. **Davidson C**, "Measuring Technical Efficiency in Ohio Nursing Homes: 1994-2000," Student Meeting, North American Productivity Workshop II, Schenectady, NY, June 20, 2000.
49. **Katzan I**, "Acute Stroke Therapies", Symposium on Stroke: An Overview of the Multi-Disciplinary Approach Through the Continuum of Care, Cleveland, February 20, 1999.
50. **Katzan I**, "A Systematic Audit of IV tPA Use in Cleveland - Utilization of the Cleveland Health Quality Choice Database", CQH'99 - Hospital Quality Symposium, São Paulo, Brazil, March 1 - 3, 1999.
51. **Katzan I**, "IV thrombolysis – current status", Neurology Grand Rounds, Cleveland Clinic Foundation, July 21, 1999.
52. **Katzan I**, "Guidelines for the Treatment of Stroke", Symposium on Quality Improvement, Norwalk, Ohio, September 21, 1999.
53. **Katzan I**, "Acute Stroke Treatment", Cleveland Emergency Medical Services, Cleveland, Ohio, October 22 and 29, 1999.
54. **Katzan I**, "Measuring Stroke Outcomes", Annual Updates in Neuroscience Nursing Conference, Cleveland, Ohio, November 19, 1999.
55. **Katzan I**, "Intravenous tPA", Medical Grand Rounds, Huron Hospital, Cleveland, Ohio, January 17, 2000.
56. **Katzan I**, "Issues in the Assessment of the Acute Stroke Patient". Cleveland Health Network Emergency Medicine Committee, Independence, Ohio, March 1, 2000.

**Presentations cont.**

57. **Katzan I**, “Pharmacologic Controversies in Stroke”, Ohio College of Clinical Pharmacy Pharmacotherapy Update 2000, Cleveland, Ohio, May 5, 2000.
58. **Katzan I**, “Neuroepidemiology, Nuts and Bolts”, Epilepsy Training Program, Cleveland Clinic, September 1, November 30, 2000.
59. **Katzan I**, “Management of the TIA Patient”, Ashtabula County Medical Center, Ashtabula, Ohio, October 3, 2000.
60. **Katzan I**, “Stroke Syndromes: Mechanisms and Diagnosis”, Department of Psychiatry Lecture Series, Cleveland Clinic, October 10, 2000.
61. **Katzan I**, "Organization of Stroke Care in the New Millenium", American Heart Association's Symposium "Improving Acute Stroke Care", Cleveland, Ohio, November 11, 2000.
62. **Katzan I**, "Stroke Management", Parma Community General Hospital 's Symposium "Stroke Update 2001", Broadview Heights, Ohio, May 16, 2001.
63. **Katzan I**, "Women and Stroke", Advanced Curriculum in Women's Health 2<sup>nd</sup> International Conference, Cleveland, Ohio, August 3, 2001.
64. **Katzan I**, "Selected Issues in Stroke Care in Cleveland", Grand Rounds, Department of Neurology, Cleveland Clinic Foundation, October 8, 2001.
65. **Katzan I**, "Special Issues of Stroke in Women", Department of Neurology, Cleveland Clinic, November 9, 2001.
66. **Katzan I**, “Acute Stroke Management in the Elderly”, MetroHealth Medical Center and Cleveland Clinic Foundation Symposium on The Aging Brain: Implications for Emergency Care of The Older Adult, Mayfield Heights, Ohio, March 12, 2002.
67. **Katzan I**, “To Be or Not to Be... Cared for in a Stroke Unit”, Grand Rounds, Department of Physical Medicine and Rehabilitation. MetroHealth Medical Center, March 25, 2001.
68. **Katzan I**, “Health Status Measures”. Clinical Research Scholars Program, CWRU School of Medicine. July 10, 2002.
69. **Litaker D**, “Preventive Medicine and Health Promotion at the CWRU School of Medicine: *A Review of the Published Curriculum for the First Three Years*”, The Gates Mills Retreat for the Faculty of Case Western Reserve University School of Medicine, February 23, 2001.
70. **Litaker D**, “Innovations in Preventive Cardiology at the Cleveland Clinic: Measuring Skin Cholesterol”, parallel program to Summit on Preventing Heart Disease, Lerner Research Institute, The Cleveland Clinic, March 23, 2001.
71. **Litaker D**, “Building Healthy Communities: A Local Member’s Perspective”, Plenary Speaker, Annual Conference of the National Association of Local Boards of Health, Cleveland, Ohio, July 26, 2001.
72. **Litaker D**, “Incorporating Geography into Health Services Research”, EPBI 515 Large Database Analysis, Department of Epidemiology and Biostatistics, CWRU, Cleveland, Ohio, February 15, 2002.
73. **Litaker D**, “Predicting Risk for Post-Operative Delirium in the Preoperative Period”, Preoperative Conference, Department of Medicine, MetroHealth Medical Center, Cleveland, Ohio, June 8, 2002.

**Presentations cont.**

74. **Litaker D**, “Hierarchical Models in Health Services Research”, Methods Seminar, Center for Health Care Research and Policy, MetroHealth Medical Center, Cleveland, Ohio, August 2, 2002.
75. **Merlino JI**, ‘Necrotizing Enterocolitis’ Pediatric Surgery Grand Rounds, Department of Pediatric Surgery, The Cleveland Clinic Foundation January, 2002.
76. **Merlino JI**, ‘Ultrasound Exam in Trauma’ North East Ohio Ultrasound Society February, 2001.
77. **Merlino JI**, ‘Clinical Trials: Generalizability to Real Patients’ Surgical Grand Rounds, Department of Surgery, Case Western Reserve University, November, 2000.
78. **Merlino JI**, ‘Developing the Physician's Role in Performance Improvement.’ Joint Commission on the Accreditation of Health Care Organizations (JCAHO). 8th Annual National Forum on Health Care Quality. Chicago, Illinois. November 9 - 11, 1995.
79. **Sandhaus LM**, “Morphologic Features of Hemoglobinopathies and Thalassemias”, Northeastern Ohio University Medical School, CME program, October, 2001.
80. **Sandhaus LM**, “Prevention of medical errors by effective reporting of laboratory result University Hospitals Regional Network Grand Rounds, January 2002.
81. **Sarver JH**, Cydulka RK. Comparison of Nurse Practitioner/Physician Assistant and Physician Practice Patterns in the Emergency Department: A National Perspective, Irwin H. Lepow Medical Student Research Day, Cleveland, March 2001.
82. **Tsai AC**. “An outbreak of Internet ciprofloxacin sales following an outbreak of anthrax.” CWRU School of Medicine elective “Activism in Medicine” (CLMI 5002); Cleveland OH, November 15, 2001.
83. **Tsai AC**. “U.S. health care and the pharmaceutical industry.” CWRU School of Medicine elective “Health Care in the United States” (EPBI 4002), CWRU School of Medicine; Cleveland OH, November 19, 2001.

## **IV. Selected Honors, Professional Activities, and Grants**

### **A. Pre-doctoral Students:**

#### **Barzilai, David A.**

##### **Honors:**

AOA Prize, Irwin H. Lepow Research Day, Case Western Reserve University, School of Medicine. 2002.

##### **Membership and Other Professional Activities:**

Member, International Dermato-Epidemiology Association (IDEA). 2002-

Member, Society for Investigative Dermatology (SID). 2002-

Member, Academy for Health Services Research and Health Policy. 2002-

#### **Caron, Aleece**

##### **Memberships and Other Professional Activities:**

Member, Academy for Health Services Research and Health Policy. 2002-

#### **Conroy, Britt**

##### **Honors:**

Awardee: Native Investigator Development Program:  
Resource Center for Minority Aging Research,  
Division of American Indian and Alaskan Native Programs,  
University of Colorado. 2000-

#### **Davidson, Carrie J.**

##### **Memberships and Other Professional Activities:**

Member, Academy for Health Services Research and Health Policy. 2000-

Member, Gerontological Society of America. 1999-

Consultant, Office of Budget and Management, State of Ohio. 1998.

Consultant, Board of Nursing, State of Ohio. 1998.

**Honors, Activities, and Grants cont.**

**Koroukian, Siran M.**

**Honors:**

Health Services Research Student of the Year, Case Western Reserve University, 1999.

Post-doctoral Fellowship, 2000-2001. (#F32-CA84621).

**Active Grants:**

Ohio Department of Safety. "Fatal and non-fatal injuries in Ohio: Epidemiology, sociodemographics, geographical distribution, and cost of care to the Medicaid Program." \$93,180. July 1, 2002-June 30, 2003. Role on Project: P.I.

American Cancer Society. "Stage of breast cancer at diagnosis: analysis by race, income, education, and geographical distribution." \$10,000. April 1, 2002-June30, 2003. Role on Project: P.I.

American Cancer Society. "Colorectal cancer screening in Medicare beneficiaries." \$347,799. January 1, 2002-December 31, 2002. Role on Project: Analyst.

Cuyahoga County, "Early Childhood Initiative Research and Evaluation" \$1,500.00. December, 2000 – March 31, 2003. Role on Project: Investigator.

**Completed Grants:**

American Digestive Health Foundation, TAP Pharmaceuticals. "Diagnosis and Treatment of GERD in the Ohio Medicaid Population." \$50,000. 2/15/99 – 2/14/00. Role on Project: Analyst.

National Cancer Institute. NRSA Postdoctoral Training Grant: "Cancer-related Outcomes in Vulnerable women." \$60,000. 6/01/00 – 5/30/02. Role on Project: P.I.

**Sarver, Joshua Howard**

**Honors:**

Health Services Research Student of the Year, Case Western Reserve University, 2002.

**Memberships and Other Professional Activities:**

American College of Emergency Physicians: Member, Task Force for Health Center for the Uninsured, 2000 -.

Reviewer: IOM Committee on the Consequences of Uninsurance, 2002.

**Honors, Activities, and Grants cont.**

**Grant:**

Dissertation Award: Agency for Healthcare Research and Quality (AHRQ); “Understanding The Role of Role in Physician’s Decisions to Prescribe Opioid Analgesia.” \$32,400. 2002-2003.

**Tsai, Alex C.**

**Honors:**

Awardee: Health Promotion and Disease Prevention Summer Research grant. 2000.

Awardee: David E. Rogers Summer Fellowship, New York Academy of Medicine, 2000.

Awardee: Medical Student Geriatric Scholarship, John A. Hartford Foundation, American Federation for Aging Research, 2000.

**Grant:**

University Center for Innovations in Teaching and Education (UCITE). “The Physician In-training as an Agent of Social Change.” \$1,920. Pending, July 2002.

**B. Post-doctoral Students:**

**Applegate, Kimberly E.**

**Honors:**

Awardee, Radiologic Society of North America (RSNA), Editorial Fellowship, 2001.

Outstanding Student Award, Health Services Research, Case Western Reserve University, 2000.

Awardee, RSNA Advanced Course in grant writing, RSNA Headquarters, Oak Brook, Ill, 2000.

American Roentgen Ray Scholar, 1999 – 2000

**Memberships and Other Professional Activities:**

Awardee, Special Distinction as Reviewer, *Radiology*, 2000.

American Academy of Pediatrics: Member, Nominating Committee, Section on Pediatric Radiology, 2001 –

American Association of Women Radiologists; President-elect, 2002; Vice-President, 2001.

**Honors, Activities, and Grants cont.**

American Board of Radiology:

Member, Diagnostic Examination Committee, 2002 – 05

Chair, Critical Thinking Committee, 2000 –

American Roentgen Ray Society: Member, National Research Committee, 2002 – 07.

Moderator, Pediatric Scientific Session, Annual Meeting, 1999, 2000.

Association for Health Services Research and Health Policy, 1999 –

Radiological Society of North America:

Member, Program Committee for Annual Meeting.

Chair, Health Services, Policy and Research Committee, 2001 –

Society for Health Services Research in Radiology:

Director, Executive Board, 2001 –

Chair Program Committee, 2002 – 2004

Society for Pediatric Radiology, Chair, Membership Committee, 2001 – 02

Cuyahoga County Health Family/Healthy Start Program: Member, Advisory Committee

Indiana University School of Medicine

Associate Professor of Radiology, 2002 -

Pediatric Health Services Research Group, 2001 –

Department of Radiology, Section of Health Services Research & Pediatric Radiology, 2001

Course faculty, Evidence- Based Medicine, 2002-

*Radiology,*

Special Editor Series on Biostatistics, 2002 – 02

Associate Editor, Pediatric Radiology Section, 2000 –

Manuscript Reviewer. *Academic Radiology, Medical Decision-Making, Journal of Urology, Radiology, Clinical Pediatrics.*

**Grants:**

Awardee, American Roentgen Ray Society Scholars Program, \$120,000, 1999 – 2000, Role on Project: P.I.

**Katzan, Irene L.**

**Honors:**

I.M. Page Center for Health Outcomes Research Award, Cleveland Clinic Foundations, 2001

**Honors, Activities, and Grants cont.**

**Memberships and Other Professional Activities:**

Editor, 1998-2000: *Carotid and Neuromuscular Interventions*

Journal Reviews: *JAMA, Stroke, Neurology Annals of Neurology, Archives of Neurology, American Journal of Neuroradiology, Archives of Physical Medicine and Rehabilitation*

Member, American Academy of Neurology

Member, American Heart Association: Fellow, Stroke Council

Member, Council on Epidemiology and Prevention

Member, National Stroke Association

Member, Association for Health Services Research and Health Policy

**Grants:**

Centers for Disease Control and Prevention “Ohio Prototype for the Paul Coverdell National Acute Stroke Registry.” 9/1/01-8/31/02. \$1,007,695, Role on Project: Co-P.I.

NIH-NINDS. “Mentored Patent-oriented Research Career Development Award,” 12/1/02-11/30/06.

**Litaker, David G.**

**Grants:**

Ohio Department of Health, “Analysis of Racial and Ethnic Differences in Health Care Utilization in Ohio.” 25,000. March-June, 2001. Role on Project: Co-Investigator

Ohio Department of Health, “Analysis of Racial and Ethnic Differences in Health Care Access, Quality, and Satisfaction, 1998 Ohio Family Health Survey.” \$25,000. March-June, 2001. Role on Project: Co-Investigator

**Sandhaus, Linda M.**

**Memberships and Other Professional Activities:**

Member, Editorial Board: *American Journal of Clinical Pathology*. 1996-