



Union Memorial Hospital

Experience Matters
MedStar Health

Research Opportunities



Research Committee

The resident research committee is chaired by Mansur Shomali, M.D., Director of Research, and includes Peter Sloane, M.D., Critical Care, Robert Ferguson, M.D., Geriatrics, and Wayne Campbell, M.D., Infectious Diseases. The committee also includes three residents and the Associate Director of Research, Norm Dubin, with specialized expertise in study design, data base creation and utilization, and statistical analysis. We have also recruited a medical editor, to assist faculty, and, particularly residents, in composing and following through on their submissions. In addition, each resident is assigned

a mentor whose responsibility includes fostering publication and research.

An annual **summer research program**, staffed with 10 to 12 students, mostly from the University of Maryland, is a key component to keeping the research initiatives moving forward and to support start-ups for many resident projects. 2006 was the 14th year of this program. Virtually all the 60 abstracts and papers cited include students and resident authors.



Union Memorial Hospital Summer Research Program, 2007

The Union Memorial Hospital Summer Students Authors, 1993-2008.
(UMH Students are bolded)

ABSTRACTS (44 abstracts from 49 different students)

Allison-Otley S, Ferguson R, Heym K et al. Demographic and Clinical Features of AIDS in the Elderly: A Follow-up Study, 1993-1995. American Geriatric Society Annual Meeting, Atlanta, 1997.

Allison-Otley S, Nichols M, Hennawi G, Ferguson R, et al. A Survey of Heterosexual Practices in Older Adults in a High HIV Prevalence Environment. American Geriatric Society Annual Meeting in Philadelphia, PA, 1999.

Ashton R, Gloth III, FM. Validity of Alternative Methods of Administering the FEFA Questionnaire. American Geriatric Society Annual Meeting [E], Chicago, IL, 1996.

Chen H, Ryan P, Ferguson RP, Markowitz J, Raksis K, Yataco A. AIDS Demographic and Clinical Features in the Elderly. American Geriatric Society Annual Meeting, Chicago, IL, 1996.

Ferguson RP, Carter C, Arun A, Walker S, Castro O. Outcomes in the Use of Hydroxyurea in the Treatment of Sickle cell Anemia in Community Practices. American Society of Hematology Annual Meeting, Orlando, FL 2001.

Ferguson R and Bahrami P. Managed Care Training: APDIM Survey. Association of Program Directors in Internal Medicine, Spring Meeting, Atlanta, 1995.

Ferguson R, Zeidins E, West Z, Richardson J, and Michocki R. Elderly Drug Choice Survey. Washington, DC 2995. JAGS 43:S; 21, 1995.

Ferguson R, Rhim E et al. Pharmaceutical Sales representatives Interaction with Physicians in Practice. Maryland ACP Associates Meeting, 1998.

Ferguson RP, Smolyak N, Zhu YY, Popat V. Compliance Outcomes in a Clinic Dispensing Pharmaceutical Samples, JGIM, 2000.

Ferguson RP, Arun A, Carter C, Castro O, Walker SD. Effectiveness of Hydroxyurea in the Treatment of Sickle Cell Anemia in Hospital-Based Clinics, American Society of Hematology Annual Meeting, 2001.

Ferguson RP, Yazaji A, Stratidis J, Shen S, Farsi P, Lin C, Campbell WN. Analysis of Blood Stream Infections in a Hemodialysis Center, ACP Associated Abstract, Baltimore, 2003.

Ferguson RP, Haddad T, Sarkar S, Khurana S, McCue J. Clinical and Epidemiological Profile of Bacterial and Fungal Meningitis in 2 Baltimore Hospitals, Maryland ACP Associates Meeting, 2004.

Gao Y, Ferguson R, Cumming R. A Survey of Active Heroin Users Regarding their Beliefs about Buprenorphine. Maryland ACP Associates, 2006.

Gloth III FM, Shah S, Ashton R. Responsiveness and Validity in Alternative Settings for the FEFA Questionnaire. Gerontology 36:A270: 326, 1996.

Gloth III FM, Gloth ST, Kolandaivelu A, Shah S, Flynn MJ. Patient Education Using Interactive CD-ROM Technology. JAGS 44:[Abst#P167]S52, 1996.

Gloth III FM, Scheve A, and Stober CV. Validation of the Functional Pain Scale in a Frail Elderly Population. JAGS 46: S40, 1998.

Gloth III FM, Scheve AA, Chow S, Prosser J. Responsiveness of the Functional Pain Scale (FPS) in a Senior Population. Journal of American Geriatric Society, 1999, 47 [Abst#P319]:S91.

Gualteros O, Pastor A, Shakil H, Roberts M, Patel M, and Sloane P. The Diagnosis and Management of Pulmonary Embolism in a Community Hospital - Are Clinicians Relying Too Much on Noninvasive Studies? Maryland ACP Associates Meeting, 1994.

Han J and Ferguson R. Antibiotic Reduction Policy and Practice in Selected U.S. Hospitals : Results of a Regional Study. International Conference on Emerging Infectious Diseases, Atlanta, 2008.

Hollars M, Karkowski F, Dubin NH, Liao P, Reinhardt K, Sack P, Shomali ME: Effectiveness of a six-month Comprehensive Physician-Supervised Weight Reduction Program for Patients with Morbid Obesity. Maryland ACP Associates Meeting, 2007.

Hennawi G, Graves A, Burkhardt L, Ferguson R, et al. Consecutive Autopsies on an Internal Medicine Service. Maryland ACP Associates Meeting, 1998.

Hung J, Posey J, et al. Electronic Surveillance of Disease States: A Preliminary Study in Electronic Detection of Respiratory Diseases in a Primary Care Setting. Proceedings of American Medical Information Association, 1998.

Khurana R and Setty A. Isometric Hand-Grip Test. Is It Useful? Neurology 45: A248, April 1995, American Academy of Neurology.

Khurana R and Cootauco M. Simulated Diving Response vs. Valsalva Ratio in Vagal Function Assessment. Neurology 46: A313, 1996.

Khurana R and Jones A. Assessment of Minimum Vagolytic Dose of Atropine. Neurology, 1999.

Khurana R and Gill J. Acral Discoloration in Orthostatic Intolerance and Orthostatic Tachycardia. Clin Autonomic Res 13: 374, 2003.

Kim D and Moran M. A Descriptive Study of Medicine Compliance Among Elderly Patients. Association of Teachers of Preventive Medicine, Atlanta, 2001.

Lin L, Walker S. Risk of deep Vein Thrombosis and Sepsis in Cancer Patients Due to PICC Lines. J AM Soc Hematol. 104 (11): 107b, 2004.

Mehrani T, Ferguson R, Burstyn T, Lee R, Rubenstein S. Heroin and Cocaine Use in Patients Admitted to an Internal Medicine Service. Maryland ACP Associates, 2006.

Moran M and Schwartz D. The Social and Health Profile of the Oldest Old Attending a Community Health Center Primary Care Practice. Prevention 1998, April 1998.

Moran M and Townsend M. Mammography Screening Practices Among the Elderly Attending a CHC: Utilization, Predictors, and Outcomes. American Geriatrics Society National Scientific Meeting, May 1999.

Moran M and Kim D. A Descriptive Study of Medication Compliance Among Medical Clinic Patients at Union Memorial Hospital. American Geriatrics Society National Scientific Meeting, May 2001.

Moran M and Kim D. Effect of Hormone Replacement on Diabetic Control in a Community Health Center Practice. American geriatrics Society National Scientific Meeting, May 2001.

Phelan T, Ferguson R. Potential Benefit of Rapid Response Teams on Unexpected Sudden Hospital Death. Maryland ACP Associates, 2006.

Quianson E, Henderson M, Shomali M. No Change in Insulin Sensitivity Following a 3-Day Post-Gastric Bypass Surgery - Simulated. Diabetic ADA Annual Meeting, Washington DC, 2006.

Schwartz D and Moran M. Epidemiologic Profile of the Oldest Old. American Geriatric Society Annual Meeting, Seattle, 1998.

Singh A, Patel H, and Ferguson R. Leukemoid Reactions: Definition, Prevalence and Clinical Implications. Submitted 2008 ACP Associates Meeting, Maryland.

Sloane P, Cummings KJ, Nathan A. ICU Nosocomial Infection Investigation. Maryland ACP Associates Meeting, 1996.

Stewart MN, David E, Laquint J, Gloth III FM. Preliminary findings on the Impact of a Geriatrics Evaluation and Management (GEM) Unit Compared to Standard Care in a Community Teaching Hospital. Gerontological Society of America Annual Meeting, 1997.

Townsend M and Moran M. Screening Practices Among the Elderly Attending a Community Health Center: Prevalence, Predictors of Use and Outcomes. American College of Preventive Medicine. San Francisco, 1999.

Walker SD, Ferguson R, Grave A, Jump A. Sickle Cell Anemia Survey: Impact on Hydroxyurea on Capacity of Life. Blood, 100 (Supplement 2); 22B, 2003.

Warren j, Posey J, Parang P. Can Computer Autoacquisition of Information Meet the Need of the Future? Proceedings of AM1A Annual Symposium, 1999.

Weinberg E, Bangoria K, Quianson E, Ferguson R. C-Difficile Infection Antibiotic Risk, and Financial Impact. American College of Gastroenterology Annual Meeting. Las Vegas, 2006.

Weston CM, Allison-Otley S, Ferguson R, Nichols M, Hennawi G, Eldred LE. High Risk Sexual Practices Among Older Adults. American Public Health Association Annual Meeting, 1999.

PAPERS (20 papers from 21 different students)

Allison-Otley S, Nichols M, Ferguson R. Sexual Practices of Older Adults in a High HIV Prevalence Environment. Maryland Medical Journal 48:287-294, 1999.

Campbell WN, Tsai W, Mispireta L. Evaluation of the Practice of Routine Culturing of Native Valves During Valve Replacement Surgery. Accepted Annals of Thoracic Surgery.

Chen H, Ryan P, Ferguson R, Markowitz J, Raksis J, Yataco A. Characteristics of AIDS in Older Adults. JAGS 46: 153-156, 1998.

Ferguson R, Arun A, Carter C, Walter S, Castro O. Adroxyunea Treatment of Sickle Cell Anemia in Hospital-Based Practice. American Journal of Hematology 70: 326-328, 2002.

Ferguson R, Bangoria K, Weinberg E, Quianzon E. C. diff Infection: Antibiotic Relative Risk and Financial Impact. Submitted 2008.

Ferguson R and Bahrami P. Managed Care for Internal Medicine Residents. Academic Medicine (Letter) 71: 106, 1996.

Ferguson R, Gao Y, Cumming R, Camire L. Factors Limiting Successful Treatment of Inner City Heroin Users: A Patient Survey. Addictive Disorders and Their Treatments. In press

Ferguson R, Phelan T, Haddad T, Hinduja A, Dubin NH: Once Cardiopulmonary Resuscitation has Started, What Factors Predict Outcome. Journal South Med Assoc, in press.

Ferguson R, Rhim E, Belizaire W, Edgede L, Carter K, Lansdale T. Encounters with Pharmaceutical Sales Representatives Among Practicing Internists. American J Med 107:149-152, 1999.

Ferguson R, Ziedens E, West Z, Richardson and Michocki R. Quality of Life and Other Factors in Elderly Drug Choices. Journal of Geriatric Drug Therapy 11: 61-71, 1996.

Freedman R, Warren J, Posey J, and Alexis R. Simulating a Physician's Interviewing Skill? A Study. Proceedings of the Simulation in Health Sciences Conferences, J.G.Anderson and M. Katzper eds. Tempe, AZ Society of Computer Simulation pp 37-39 (Jan 1994).

Gloth F, Walston J, Meyer J and Pearson J. The Reliability and Validity of the Functional Assessment Questionnaire (FEFA). Am J Phy Med and Rehab Vol 74(1), Jan/Feb 1995, pp 45-53.

Gloth III FM, Scheve AA, Shah S, Ashton R, McKinney R. Resopnsiveness and Validity in Alternative Settings for the Frail Elderly Functional Assessment (FEFA) Questionnaire. Arch Phys Med Rehab 1999, 80: 1572-1576.

Gurbel PA and Carpo C et al. Effects of Reteplase and Alteplase on Platelet Aggregation During Acute Myocardial Infraction. JACC 7: 1466-73, 1998.

Khurana R and Nicholas E. Head-up Tilt Table Test: How Far and How Long? Clin Auto Res 6:335-341, 1996.

Khurana R and Setty A. The Value of the Isometric Hand-Grip Test-Studies in Various Autonomic Disorders. Clin Auto Res 66:211-218, 1996.

Khurana R and Wu R. The Cold Face Test. A Non-Baroreflex mediated test of cardiac vagal function. Clin Auton Res 2006, 202-207.

Onuchie M, Campbell WN, Shen C. Acute HIV Infection Presenting with Acute Respiratory and Renal Failure. Clin Inf Dis 1998, Vol 27, 1537-1537.

Sohrabi F, Mispireta L, Buescher P, Sloane P. Eval Effects of Off-Pump Coronary Artery Bypass Grafting on Patient Outcomes. Journal of Investigative Medicine 2003 (in Press).

Stewart M, Suchak, N, Scheve A, David E, Laquinte J, Glotch III FM. Preliminary Findings on the Impact of a Geriatrics Evaluation and Management (GEM) Unit Compared to Standard Care in a Community Teaching Hospital. Maryland Med J 1999, 48: 62-67.

A stipend of \$2,000 will be awarded to each student. We also have student housing available at no cost on a first-come, first-serve basis. The hospital and the student apartment and located in an excellent, accessible, and safe neighborhood three miles north of the Inner Harbor district and one block east of the Johns Hopkins Undergraduate Homewood Campus.

A new project list and 2008 application form will be posted in January 2008.

All applications must be received by **February 15, 2008**. Awarding of the fellowships will be announced by **March 3, 2008**.

Please contact:

Robert P. Ferguson, M.D.
Chief of Medicine
Union Memorial Hospital
Department of Medicine
201 E University Parkway
Baltimore, MD. 21218

Telephone: 410-554-2284

Facsimile: 410-554-2184

Email: Robert.Ferguson@medstar.net