

CURRICULUM VITAE

John Foxworth, PharmD

September, 2019

University of Missouri-Kansas City Medical School

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PERSONAL DATA

Undergraduate Higher Education:

Associate in Science, Kansas City Junior College, 1962

B.S. in Pharmacy, University of Missouri-Kansas City, 1966

Postgraduate Education:

Doctor of Pharmacy (PharmD) University of Missouri-Kansas City, 1975

Residency in Clinical Pharmacy, Department of Medicine, Kansas City General Hospital & Medical Center, 1975-1976. This was all clinical pharmacology, and medical-education based.

2011 and 2012 – Completed 10 hours of graduate-level Biostatistics (course MEDB 5101, Biostatistics I, and course MEDB5102, Biostatistics II), in graduate school in Bioinformatics at UMKC School of Medicine.

Licenses and Certifications:

Missouri 27447

APPOINTMENTS

Medical Staff, Wayne Miner Health Center, Kansas City, Missouri, 1976-81. (Now Sam Rodgers Neighborhood Health Center).

Medical Staff (Associate Scientific Division), Truman Medical Center, Kansas City Missouri, 1976 to present.

Medical Staff (Courtesy Scientific Division), St. Joseph Hospital, Kansas City, Missouri 1982-1983.

Assistant Professor of Clinical Pharmacy, University of Missouri-Kansas City School of Pharmacy, 1978-81.

Assistant Professor of Pharmacology and Medicine, University of Missouri-Kansas City School of Medicine, 1978-83.

Faculty, Sisters of St. Mary's Family Practice Residency and Internal Medicine Residency Programs, October 1982 through June 1986.

Clinical Assistant Professor Medicine, University of Missouri-Kansas City School of Medicine, 1983 to June, 1986.

Associate Professor Medicine, University of Missouri-Kansas City School of Medicine, July 1986 to 2005

Professor of Medicine, Sept, 2005

Asst. Dean, Faculty Development, UMKC School of Medicine, 2010 – 2015

Associate Dean Faculty Development UMKC School of Medicine September, 2015

Chair, Faculty Development Committee, UMKC SOM, 2010 - 2019

Professor of Informatic Medicine and Personalized Health, appointed 2009

Chair, Pierson Good Teaching Award committee, School of Medicine, 2017 and 2019
Adjunct Graduate Faculty, UMKC 12/1/11

Member, Department of Internal Medicine Truman Medical Center, Section of Clinical Pharmacology, July 1986 to present.

Adjunct Associate Professor, Basic Medical Sciences, April, 2000 to present

Director of Noon Conferences, UMKC School of Medicine and Department of Medicine, Truman Medical Center - June, 1991 to present.

Co-director for Continuing Medical Education, Dept of Medicine, Truman Medical Center/UMKC Medical School July 1992 to 1999.

Director for Continuing Medical Education, Dept. of Medicine, Truman Medical Center/UMKC Medical School July 1999 to present.

Chair, CME committee, Truman Medical Center 2006-2016

Vice Chair, CME committee, UMKC School of Medicine 2008- 2010

Chair, UMKC CME committee 2012-2016.

Chair, seniors awards committee for the school of medicine –2015, 2016, 2017, 2018, 2019
Selects recipients for various medical student recognition awards at graduation

Member, Coordinating Committee UMKC SOM 2010 - present

Full voting member, Internal Medicine Residency Committee, UMKC School of Medicine 1999 – present

Associate Program Director for the Internal Medicine Residency Program, 2006 to present

Interviewer and member of internal medicine residency applicant selection committee, 1995-present

Chair, Committee of the Department of Internal Medicine to Improve Grand Rounds, and to increase departmental member participation in Grand Rounds

Chairperson, Informatics Committee for the Department of Medicine, Jan, 1999 - ongoing.
Objectives: develop electronic communication potential for the department, a departmental web site, and improve computer-faculty interactions in clinic and hospital. In this regard, I developed and maintain a listserv on the University server for all Department of Medicine faculty, and teaching faculty at Saint-Luke's hospital as well. The Department of Medicine list has been used for several years for sending notices, messages, agenda for meetings, attachments, etc. Also developed a web site for Department of Medicine which is used to compile monthly schedules, viewing documents, medicine residency-related information, etc.

Member, Faculty Council, School of Medicine, 2004 to 2010

Chair, Baldrige Project subgroup on Measurement, Analysis, and Knowledge Management 2005 ongoing for the internal medicine residency program

Curriculum subcommittee of the Internal Medicine residency program, July, 2005 to present

Member, Competency and evaluation subcommittee of the Internal Medicine residency program July, 2005 to present.

Chairman, Faculty Council, for the UMKC affiliated institutions (UMKC medical school, St Luke's hospital, Western MO mental health center, Children's Mercy hospital). 2006-2010

Director, Internal Medicine Residency Research Program. May, 2006-present

Officer AOA, Delta Chapter (secretary-treasurer) spring, 2006 to 2008

Councilor, AOA, Delta Chapter of Missouri, fall, 2008 to present

Chair, LCME writing committee for faculty self-study, UMKC School of Medicine, 2009-2010

Member, executive committee for LCME self-study, UMKC School of Medicine, 2009-10

USMLE biostatistics question writer, December, 2010

Member coordinating committee UMKC School of Medicine, 2010-present

ORGANIZATIONS

Associate member, American College of Clinical Pharmacy 1986 -1989

Member, American College of Clinical Pharmacy 1989 - present

Member, Kansas City Infectious Disease Society 1987 - 1993

Accepted as Full Member, American Society for Clinical Pharmacology and Therapeutics (ASCPT). Active member, December 1996 - present

Elected to full membership, American College of Clinical Pharmacology, September, 2005. Active member, Sept 2005, to present.

Elected Fellow of the American College of Clinical Pharmacology February, 2019.

Recognized as Academic Clinical Pharmacologist by the two preceding groups

Member infectious diseases and antimicrobial agent scientific section of the American Society of Clinical Pharmacology and Therapeutics

Member, Alliance for Prudent Use of Antibiotics (Tufts University), January, 2002 to present

Member, American Academy of Clinical Toxicology October, 2014

COMMITTEE APPOINTMENTS

Chairman, Pharmacy and Therapeutics Committee, Wayne Miner Neighborhood Health Center, 1976 to 1982.

Member, Pharmacy and Therapeutics Committee, St. Mary's Hospital 1982-86.

Member, Nutrition Committee, St. Mary's Hospital 1984-86.

Member, Patient Care Committee, St. Mary's Hospital 1984-86.

Member, Education and Research Committee, St. Mary's Hospital 1984-86.

Member, Research Committee - St. Mary's Family Practice Residency Program.

Member, Committee to Develop Faculty Promotion Guidelines, Department of Medicine, Truman Medical Center and UMKC Medical School August and September, 1986.

Member, Committee to Develop Faculty Promotion Guidelines for non-MD faculty, UMKC Medical School, May through August, 2003

Member, Pharmacy and Therapeutics Committee, Truman Medical Center, July 1987 - present.

Member, Continuing Medical Education Advisory Committee, Truman Medical Center-West, July 1992 to present.

CME Director, Department of Medicine 1999 – present

Chair, CME committee, TMC, July, 2006 to present.

Vice chair, UMKC School of Medicine CME committee, 2008-present

Member, Chest Conference Planning Committee (for CME credit)

Member, non-physician academic promotion committee, UMKC School of Medicine, 2005-2012

Member, adhoc committee to look at campus promotion and tenure practices (committee appointed by Gary Ebersole, chair, faculty senate, to review practice and methods of the umkc P & T committee and submit a report to faculty senate). July – Dec, 2007

Member, faculty senate budget committee 2007- present

Member, antibiotic management committee at TMC 2008

AWARDS

1996 Faculty Recipient of Faculty Appreciation and Teacher of the Year Award for teaching and service judged outstanding in the advancement of medical education from UMKC medical students. Presented at FAPAN (Faculty and peer appreciation night) February 9, 1996.

2003 Medical School Faculty recipient of the Elmer F. Pierson Outstanding Teaching Award for the School of Medicine. This is an annual peer-initiated campus-wide award given to one faculty member of each of four UMKC campus schools: business, dentistry, law, and the medical school. Recipients are selected for demonstrating excellence in teaching, research, and service. Dean Betty Drees of the School of Medicine in 2004 called the award “the medical school's most prestigious teaching award.”

2005 School of Medicine Faculty Inductee into the Alpha Omega Alpha (AQA) Medical Honor Society.

June, 2012: recognized and awarded for being in the top 10% of medical school faculty based upon anonymous medical resident evaluations over the year compiled in New Innovations.

2015 (July): awarded “The Betty M. Drees, MD, Lifetime Achievement in Mentoring” from the UMKC School of Medicine

June, 2016: recognized and awarded for being in the top 10% of medical school faculty based upon anonymous medical resident evaluations over the year compiled in New Innovations.

June 2017: recognized and awarded for being in the top 10% of medical school faculty based upon anonymous medical resident evaluations over the year compiled in New Innovations.

June 2018: recognized and awarded for being in the top 10% of medical school faculty based upon anonymous medical resident evaluations over the year compiled in New Innovations.

June 2019: recognized and awarded for being in the top 10% of medical school faculty based upon anonymous medical resident evaluations over the year compiled in New Innovations.

PRESENTATIONS AND TEACHING EXPERIENCES - 1974-1986

Joint conference, Medical and Surgical Staff, Menorah Medical Center, 1974 (presented with Jacob Kraft, M.D.:
Total Parenteral Nutrition in a Patient with Hemorrhagic Pancreatitis.

Several in-service lectures on total parenteral nutrition at Menorah Medical Center 1972 through 1974 to nursing personnel and house staff.

Red Docent Unit Medical Students, University of Missouri-Kansas City School of Medicine, 1974-75:

- Management of Urinary Tract Infection
- Mechanisms of Action Of Antimicrobials
- Rational Antimicrobial Therapy
- Anticoagulation:
 - Part I. Heparin
 - Part II. Warfarin
- Digitalis Glycosides and Congestive Heart Failure
- Antiarrhythmic Therapy
- Cancer Chemotherapy
- Local Anesthetics

Medical Staff Conference, Jackson County Hospital, Kansas City, Missouri, 1975:

- Clinical Pharmacology of Heparin
- Clinical Pharmacology of Phenytoin

Accredited Certified Nurse Anesthetists Course, 1975:

- Antiarrhythmic Therapy
- Hypertensive Crisis
- Local Anesthetics

University of Missouri-Kansas City School of Pharmacy, 1975:

- Treatment of Peptic Ulcer Disease

Continuing Education for Practicing Pharmacists Discussion Series (Kansas City):

Total Parenteral Nutrition, 1973 and 1976.

Red Docent Team Medical Residents, Kansas City General Hospital and Medical Center, 1974:

Total Parenteral Nutrition

Seminars for PharmD students and faculty, University of Missouri-Kansas City, 1974-75:

Warfarin Therapy

Diabetic Ketoacidosis - Review of management and case presentation.

Drug therapy in a patient with Severe Atherosclerosis, Arrhythmias, and Renal Failure - a case presentation.

Atrial fibrillation - a case presentation.

Greater Kansas City Chapter of American Association of Critical Care Nurses, October, 1977:

Total Parenteral Nutrition

American College of Apothecaries, Kansas City Chapter, June 1977:

Antiarrhythmic Therapy (invited speaker)

Pharmacy staff, Kansas City College of Osteopathic Medicine, October, 1976:

Heparin (invited speaker)

Pharmacy and Surgical Staffs, Kansas City College of Osteopathic Medicine, 1977:

Total Parenteral Nutrition (invited speaker)

Inner City Dieticians Conference, 1977:

Total Parenteral Nutrition (invited speaker)

Annual Community Health Center Institute, Phoenix, Arizona, 1978:

A Role Model of a Clinical Pharmacist in a Community Health Center (invited speaker)

Invited Panelist - "A Rational Approach to Quality of Care Concepts", meeting co-sponsored by Midwest Association of Community Health Centers, and Accreditation Council for Ambulatory Health Care of the Joint Commission on Accreditation of Hospitals, Chicago, Illinois, 1978.

Midwest Association of Recovery Room Nurses - spring, 1979:

Antibiotics in the Recovery Room (invited speaker)

Formal Conferences presented at the morning Wayne Miner Health Center Medical Staff Conference, Truman Medical Center, July 1976 to May, 1981:

Clinical Use of Thiazide Diuretics in Hypertension.
Propranolol in Hypertension.
Management of Hypertensive Crisis.
Treatment of Psoriasis with Methotrexate.
Low Dose Heparin.
Treatment of Peptic Ulcer Disease.
Drug Therapy of Gout and Hyperuricemia.
Tricyclic Antidepressants: Pharmacology, Clinical Use, and Management of Overdose.
Acetaminophen Use and Treatment of Overdose.
Antiarrhythmic Drug Therapy.
Management of Diabetic Ketoacidosis.
Cimetidine.
Total Parenteral Nutrition.
Pharmacotherapy of Systemic Lupus Erythematosus.
Deep Venous Thrombosis and Pulmonary Embolism -
Treatment with Heparin and Warfarin.
Vasodilators - Current Status.
Disopyramide.
Total Dose Iron Replacement.
Pneumococcal Vaccine.
Drug Therapy of Supraventricular Tachyarrhythmias.

Hyperkalemia.
 Sulfasalazine.
 Drug therapy of Crohn's disease.
 Vancomycin.
 Local Anesthetics.
 Hepatitis A and B Prophylaxis.
 Drug Therapy of Parkinson's Disease.
 Gold salts in treatment of Rheumatoid Arthritis.
 Tetanus Toxoid.
 Diuretics.
 Drugs and G₆PD Deficiency.
 Dichloroacetate.
 Calcium Channel Inhibitors.
 Prazosin.
 Drug Causes and Treatment of SIADH.
 Use of Thyroid Replacement Hormones.
 Treatment of Myxedema Coma.
 Withdrawal from Glucocorticoid Therapy.
 Prazosin in Management of Refractory Congestive Heart Failure.
 Phenothiazines.
 Tardive Dyskinesia: Causes and Management.
 Oral Hypoglycemic Agents.
 Antibiotics in the Recovery Room.
 Penicillins.
 Tetracyclines.
 Cephalosporins.
 Clindamycin.
 Digoxin-Quinidine Interaction.
 Code Blue Pharmacology.
 Newer Agents in Management of Hypertension.
 Saralasin (P113).
 Teprotide (SQ 20881).
 Captopril (SQ 14225).
 Dobutamine.
 Disopyramide.
 Lidocaine.
 Bretylium.
 Anturane in Prevention of Sudden Death.

Formal presentations with detailed handouts and bibliographies given at physician education conferences (for family practice and internal medicine residents, and attending physicians) at St. Mary's Hospital of Kansas City, Missouri, Oct. 1982 to July, 1985:

Practical Clinical Pharmacokinetics Using Lidocaine and Theophylline as Models.
 Newer Antidepressants.
 Tricyclic Antidepressant Overdose.
 Heparin and Warfarin.
 Amiodarone and Bretylium - Type III Antiarrhythmic Drugs.
 Prostaglandins - Pharmacology and Physiology.
 Clinical Uses of Exogenous Prostaglandins.
 Analgesic Nephropathy.
 Acetaminophen Overdose.
 Malignant Hyperthermia.
 Advanced Cardiac Life Support - Pharmacology, Parts I & II, and Acid/Base Balance (Given annually while at St. Mary's Hospital as portion of ACLS Course for certification)

Clinical Pharmacology of Thrombolysis During Acute MI.
 Ethanol Substitute Poisoning.
 Pharmacology and Toxicology of Cocaine.
 Beta Blockers post MI.
 Evaluation of Medical Literature, Parts I & II.
 Ureidopenicillins.
 Cimetidine and Ranitidine.
 Aspartame and the Fetus (presented to ObGyn Section, St. Mary's Hospital).
 New Drugs - Enalapril, Amiodarone, & Midazolam.
 Antibiotic Treatment of Gram-Negative Bacillary meningitis.
 New Drugs - Amdinocillin, Amoxicillin/Clavulanic Acid.
 New Drugs - Imipenem/cilastatin, ticarcillin/clavulanic acid.

New Drugs - Transdermal clonidine, flecainide.
New Drugs - Pentoxifylline, tocainide.
Theophylline Toxicity.
Current Status of Generic Drugs.

Grand Rounds - Medical Staff Conferences for Continuing Medical Education Credit (presented at St. Mary's Hospital)

Dioxin.
Chemical Carcinogenesis.
Infectious Disease Case Studies (presented with Michael Wilkins, M.D.).
Cephalosporins.
Aminoglycosides.
Pharmacology of Digitalis Glycosides (presented in two one-hour sessions).
Pharmacotherapy of Asthma (presented in two one-hour sessions).

PRESENTATIONS AND TEACHING EXPERIENCES 1986-PRESENT

Courses taught:

Pharmacology: Medicine 408R 4 months/academic year involving approximately 50 students/month. Approximately 48 hours lecture/academic year. Required pharmacology curriculum for medical students at the School of Medicine. Topics include: Chemotherapeutic Agents, Antimicrobial Agents, Antiviral agents, Anti-tubercular Agents (1986 - January 2000. At that time, 408R became Pharmacology Rotation I (408N) and the second month Pharmacology Rotation II (408O) (see next listing). This changed the Basic Pharmacology course from one month for medical students to two months, beginning in June, 2000.

Pharmacology Rotation I (408N) (one month, offered twice per year), Pharmacology Rotation II (408O) (one month, offered twice per year). For year 4 medical students. I teach toxicology, antibiotics, chemotherapeutic agents. Presentation is didactic, and small group interactive. I write and supervise a laboratory case presentation that the class solves as a problem then present their results, and a written paper case where a subgroup of students in the class write an article suitable for publication on a topic of my choosing.

Introduction to Pharmacology: Medicine 233R. Course director from 1986-1996. One semester/academic year, involving the entire class of Year 2 medical students (about 100 students). Lectures include: Drug Development in the United States, Non-prescription Drugs, Introduction to Pharmacology. (1986 - 1996). Organizer of course, including developing curriculum, organizing faculty, writing, administering, and evaluating examinations. This class was folded into our self study curriculum in 1996.

Docent Rotation Basic Pharmacology Medical student years III-IV. Course numbers = 415R, and 416 R. Self-paced tutorial with computer assessment. Students cover basic topics. Topics taught are Basic Overview of Antibiotics, and Use of Antibiotics in the Outpatient Clinic.

Docent Rotation Basic Pharmacology Medical student years V-VI Course numbers = 575R and 576R. Self-paced tutorial with computer assessment. Students cover 10 topics (designed around a core curriculum in clinical pharmacology) over a 2 yr curriculum, with application of core clinical pharmacology principles to individualize patient drug therapy. Topics taught include Drug Dosing in Patients with Renal Failure, Pharmacology of Prophylactic Antibiotic Usage, Substance Abuse using Nicotine As a Model.

Docent Rotation: Medicine Courses 301R, 302R, 401R, 402R, 501R, 502R, 601R, 602R 10-11 months/academic year: Supervising and teaching pharmacologic issues (usually at bedside) on patient care rounds (9 medical students, 3 medical residents). 1986 - present. This is done usually 11 months/year.

Docent Rotation: Resident Formal Teaching: Residency Review Committee of American Board of Internal Medicine requires 4.5 hours/week of special teaching for medical residents - have contributed 45 minute lectures 1 to 3 mornings/week 11 months/year to 3 - 6 residents in a special morning didactic clinical pharmacology session since 1988.

Medical Decision Making (MDM) (medicine 465). I designed and led this required course for medical students for the first time in the spring of 2003. The second presentation was in the fall, 2003. Specific information may be found at the MDM website on WebCT (address and access on request). This course includes 7 lectures taught by a core of 5 faculty members for 2 hours/week (I presented 3 of the lectures). Small web-based quizzes follow each lecture. There is a monitored final exam, plus an out of class article-analysis exercise. Lectures include: Concepts in Biostatistics I, II, and III; study types, ratios, & proportions; a critical article analysis in class; diagnostic testing; etc. It is currently offered to medical fellows as well. Sixteen medical fellows ranked the course highly in 2003, rating the overall course 4.57 out of 5 possible points (91.4%) on an anonymous online evaluation. Fellows passing the course receive a parchment diploma.

"Ethanol Substitute Poisoning" for Clinical Correlations in Biochemistry Class, for UMKC Medical students - 1993

Mechanisms of Action of Antimicrobial Agents: to medical microbiology basic science course, October, 2000, 2001, 2002. Taught in 2 one-hour blocks.

Faculty participant in provision of Advanced Clinical Pharmacology Elective (409R) offered to selected medical students. (This course became 409A in spring, 2000, 5 hrs credit)

November, 1995 - Melanie Rea, MS 6. My contribution involved 5 days of interaction regarding Clinical Toxicology (oriented toward pediatric issues) - Melanie is applying to pediatric residency programs.

Feb 21, 2001 - taught in physiology pharmacology course at UMKC SOM. Case based learning structure: UTI.

February, 2003 and 2004: taught 8 hours in the medical step I review course (medicine 639). Topics: toxicology, substance abuse, antibiotics, chemotherapy, and estrogens.

Moderator for the internal medicine residents' research presentations in May of 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2015, 2016, 2017

November 22. General toxicology, including recognition of poisoning, toxidromes, use of the toxicology lab (treatment, diagnosis, and screening), supportive care, gastrointestinal decontamination (emesis, lavage, activated charcoal, whole bowel irrigation), systemic decontamination (multiple dose activated charcoal, hemodialysis, charcoal hemoperfusion), and antidotes. The meeting lasted 2.5 hours.

References read prior to our meeting: Fine JS, Goldfrank LR. Update in medical toxicology. *Ped Emerg Med.* 1992;39:1031-51. Henretig FM. Special considerations in the poisoned pediatric patient. *Emerg Med Clinics North Amer.* 1994;12:549-67. Doyon S, Roberts JR. Reappraisal of the "coma cocktail." *Emerg Med Clinics North Amer.* 1994;12:301-17. Kulig K. Initial management of ingestions of toxic substances. *New Engl J Med.* 1992;326:1677-81. Foxworth J. Gut decontamination in drug overdose Handout. 1992.

November 27. Acetaminophen and salicylate poisoning. Meeting time = 2.5 hours. References:

Anker AL, Smilkstein MJ. Acetaminophen. *Emerg Med Clin N Amer.* 1994;12:335-49. Yip L, Dart RC, et al. Concepts and controversies in salicylate toxicity. *Emerg Med Clin N Amer.* 1994;12:35165.

November 28. Cyclic antidepressant poisoning and ethanol substitute poisoning (ethylene glycol, methanol, isopropyl alcohol, propylene glycol). Two & one-half hours. References:

Pimentel L, Trommer L. Cyclic Antidepressant Overdoses. *Emerg Med Clin N Amer.* 1994;12:533-44. Foxworth, J. Ethanol Substitute Poisoning. Handout. July, 1995.

November 29. Iron poisoning. One hour. References: Mills KC, Curry SC. Acute iron poisoning. *Emerg Med Clin N Amer.* 1994;12:397-413.

November 30. Lead poisoning. One & one-half hours. Nadig R. Lead poisoning. In: Goldfrank LR, Flomenbaum NE, et al. (eds). Toxicologic Emergencies. 5th ed. Norwalk, Connecticut. 1994:1029.

Other topics discussed briefly with handouts provided included nontoxic ingestions, ethanol abuse, use of toxicology lab, poison control centers vs regional certified poison control centers, etc.

Advanced Pharmacology Elective May, 1996 Brian Finke, 6th yr medical student. Covered clinical toxicology topics:

May 1 - First hour drug overdose, toxidromes, antidotes, use of anion gap & osmolal gap, toxicology lab.

May 6 - Gastric decontamination in drug overdose

May 7 - Acetaminophen overdose

May 22 - Tricyclic antidepressant overdose + unknown case (acetaminophen/aspirin overdose)

Advanced Pharmacology Elective May, 1998 Jasper Harris, 5th yr medical student. Covered clinical pharmacology topics:

July 27: Diuretic Resistance

July 28 and July 29: reviewed and critiqued three papers on prophylaxis against gastric bleeding/stress ulceration in ICU pts. (Cook NEJM 1994;330:377 Risk factors for GI bleeding in critically ill pts, Ben-Menachem Ann Intern Med 1994;121:568 Prophylaxis stress-related gastric hem in the ICU, Cook D, et. al. Comparison of sucralfate and ranitidine for the prevention of upper gastrointestinal bleeding in pts requiring mechanical ventilation. New England Journal of Medicine.1998;338:791)

Advanced Pharmacology Elective October, 1998 Caroline Cheng, 5th yr medical student. Covered clinical pharmacology topics:

Oct 19, 1998: Drug dosing in renal failure patients and diuretic resistance (3 hours)

Oct 20: Update on new antibiotics, tx of common clinical ID scenarios, antimicrobial resistance, etc. (2 hours)

Oct 21: Review of drug therapy of Type II diabetes mellitus. Several references were read, and a videotape of a conference presented by Dr. Oki of the school of medicine on the topic were reviewed and discussed. (2 hours)

Oct 22: Discussion, and critical review of this paper: Prophylaxis for stress-related gastric hemorrhage in the medical intensive care unit. Ben-Menachem T., et al. 1994;121:568-75. Also reviewed basic types of research design. (2 hours)

Oct 23: Discussion and critical review of: Cook D, et al. Comparison of sucralfate and ranitidine for the prevention of upper gastrointestinal bleeding in pts requiring mechanical ventilation. New England Journal of Medicine.1998;338:791. Also covered confidence intervals, Type I and II errors, ARR, NNT. (2 hrs)

Nov. 30: Treatment issues in diabetic ketoacidosis. Also: clinical use of dobutamine, dopamine, norepinephrine, isoproterenol. (2.5 hrs)

Advanced Pharmacology Elective October, 1998 Caroline Cheng, 5th yr medical student. Covered clinical pharmacology topics:

week of 4/12/99 - advanced pharmacology with Laura Rishmany

4/12/99 - std in clinic - no meeting

4/13: general toxicology, acute management of drug overdose. We went over a handout on Management of the Acute Drug Overdose Patient. I gave it to her the day prior to our meeting, and she knew it cold. She contributed a lot to the discussion, knew the toxidromes, and in general, performed magnificently.

4/14: We finished our discussion of the handout (antidotes). I presented her with an unknown case (ASA overdose), which she correctly analyzed promptly. I gave her no warning of this case, and we had not discussed ASA in detail previously. She understood and defined terms like pKa, knew ASA was a weak acid, knew why alkalinizing the urine might be helpful, etc, etc. It was an outstanding performance of the highest level.

4/15: Unknown case: lithium overdose (an actual case I was called about from one of the clinics). Again, her analysis was impressive, and the performance was outstanding.

4/16: Prophylactic antibiotics in surgery, and use of antibiotics in the hospital.

Advanced Pharmacology elective, June, 1999. Desmond Young, MS 5. Covered clinical pharmacology topics:

Drug dosing in renal failure,
Clinical toxicology

Advanced Pharmacology elective, week of February 14, 2000. Jennifer Hart, MS 5. Covered clinical pharmacology topics:
2/14: Overview of clinical toxicology. Reviewed the topic in general (support, toxidromes, GI emptying, antidotes, levels, screens, etc.)
Preceding supported by her attendance at my conference on this topic last week.
2/15: Acetaminophen OD case, plus discussion of ethanol substitute poisoning.
2/16: Drug dosing in renal failure, with pertinent cases.
2/17: Some empiric antibiotic choices, antibiogram, evidence-based analysis of stress ulcer prophylaxis in the ICU
2/18: journal club analysis of ramipril study, (HOPE trial), NEJM, Jan 2000.

Advanced Pharmacology elective, week of March 20, 2000. Heather Maddox, MS6. Covered clinical pharmacology topics:

3/20: Overview of clinical toxicology. Reviewed the topic in general (support, toxidromes, GI emptying, antidotes, levels, screens, etc.)
3/21: Drug dosing in renal failure, with pertinent cases.
3/22: Hair cell biology and physiology, hair growth stimulating drugs
3/23: Obesity and weight loss drugs
3/24: Acetaminophen poisoning: pathophysiology and management, with case examples

Advanced Pharmacology elective, May 4, 5, 8, and 9, 2000. Michelle Dew, MS6. Covered clinical pharmacology topics:

5/4: fluid and electrolyte disorders: tonicity, osmolality, fluid choices, and hyponatremia (hypovolemic, euvoletic, hypervolemic).
Interactive discussion and cases
5/5: hypernatremia
5/8: wide anion gap metabolic acidosis
5/9: hyper and hypokalemia

Advanced Pharmacology elective 409, February 4 and 5, 2002. Matt Fickie, MS 5. Covered clinical pharmacology topics:

2/4/02 Critical analysis of Literature analysis: Kress JP, et al. Daily interruption of sedative infusions in critically ill patients undergoing mechanical ventilation. NEJM2000;342:1471-7.
2/05/02: Critical Analysis of literature: Fisher B, et al. Tamoxifen for prevention of breast cancer. J Nat Cancer Institute. 1998;90:1371.

Special eight-day elective in evidence-based medicine for Matt Floresch, MS 6, May, 2002. Many articles were reviewed critically, including the DCCT trial (NEJM); spironolactone in CHF (Pitt, NEJM); metoprolol in CHF (MERIT trial, Lancet); ACE inhibitors in Type I diabetic pts with proteinuria (Lewis, NEJM), ARBs in Type II diabetic pts with proteinuria (Lewis NEJM) and others.

Advanced Pharmacology elective 409, Dec, 2005. David Finke. Critical analysis of medical literature. Reviewed 3 articles of his choosing, including WHI study, etidronate in treatment of steroid-induced osteoporosis, and trastuzumab fo breast cancer. Romond EH, et al. Trastuzumab plus adjuvant chemotherapy for operable HER2 positive breast cancer. NEJM 2005;353:1673-84. Adachi JD, et al. Intermittent etidronate therapy to prevent corticosteroid-induced osteoporosis. NEJM 1997;337:382-7. 25 WHI trial. Risks and benefits of estrogen plus progestin in healthy postmenopausal women. JAMA. 2002;288:321.

CONFERENCES

Pharmacology of Drug Therapy in the Elderly - presented at St. Mary's Hospital Symposium on Geriatric Care, Fall 1983.

Geriatric Pharmacology (presented with David Rush, PharmD) to American Academy of Family

Physicians Scientific Assembly, Fall, 1984) (invited speaker)

Glucose and Total Parenteral Nutrition; and Aspartame and the Fetus; Greater Kansas City Dieticians Society, May 1985 (invited speaker)

Vitamins - St. Mary's Hospital Nursing Staff, 1983.

Clinical Pharmacokinetics Using Theophylline and Lidocaine as Models - to St. Mary's Hospital Nursing Staff, 1982.

Clinical Pharmacokinetics - St. Mary's Hospital Nursing and Laboratory Supervisors, 1984.

Safe Handling of Chemotherapeutic Agents - Pharmacy and Oncology Unit Staffs, 1983.

One hour conference presented twice weekly to Truman Medical Center Internal Medicine Residents, on rotation at St. Mary's Hospital, usually from topics listed above, summer 1983 through spring 1986.

Presented sympatholytics, antianginal drugs, antibiotics, and chemotherapeutic agents for UMKC Board Review Course for medical students (Robert Blanc, Ph.D., coordinator) one hour per weekday for first two and one-half weeks of May, 1988.

Antibiotic Update: Clinical Pharmacology of Cephalosporins - Kansas City Emergency Physician's Foundation. Two Rivers Hospital, Kansas City Missouri, October 20, 1988 (invited speaker)

Antibiotic Update: Clinical Pharmacology of Cephalosporins - Emergency Physicians Group - Bethany Hospital, Kansas City, KS. January 23, 1989 (invited speaker)

Clinical Pharmacology of Nicotine: Where There's Smoke There's "Ire" - presented to ASSIST (American Stop Smoking Intervention Study) April 29, 1994 (invited speaker) Radisson Suite Hotel, Kansas City, MO

Videotaped antimicrobial and chemotherapeutic agent board review questions at UMKC campus for national use by students preparing for medical board examinations. May, 1990

Series of eight one-hour lectures presented to medical students on Red Docent Unit fall of 1994 (October and November) on evaluating medical literature, using eight individual scientific articles pertaining to drug therapy from New England Journal of Medicine and Annals of Internal Medicine

Conferences presented at UMKC School of Medicine for medical students, medical residents, physician and PharmD faculty (30 - 60 individuals present):

Ethanol Substitute Poisoning - presented for live televised noon conference, UMKC Medical School Nov. 25, 1986. Presented in Emergency Medicine series August 12, 1987, July 25 1988, July 7 1989, July 13, 1990, July 1991, July 1992, July 1993, July 1994, July 1995, July 1996, July 1997, July 1998, July 1999, July 2000, August 2001, July 2002, July, 2007, August 2009, August 2011, Aug 2012

Preliminary Results: Effect of Theophylline on Diaphragmatic Contractility - presented at Faculty Research Day, UMKC School of Medicine April 4, 1987.

Fluorinated Quinolones - presented for televised Department of Medicine noon conference UMKC Medical School May 26, 1987.

Department of Medicine Grand Rounds: Monobactams: New Drugs for Old Bugs - presented

December 4, 1987 UMKC Medical School (televised).

Ciprofloxacin - Department of Medicine noon conference UMKC Medical School March 7, 1988.

Ciprofloxacin - Department of Orthopedic Surgery Grand Rounds Truman Medical Center April 14, 1988.

Ciprofloxacin - Department of Medicine noon conference (televised) UMKC Medical School Oct. 4, 1988

Clinical Pharmacology of Cephalosporins - Department of Medicine noon conference, UMKC Medical School Feb. 27, 1989

Hypoprothrombinemia, Bleeding, and β -lactam Antimicrobial Therapy - Department of Medicine Noon Conference, December 12, 1989. Televised on city-wide closed circuit television.

Department of Medicine Grand Rounds: A Fresh Look at Aminoglycosides, UMKC School of Medicine, February 2, 1990. Televised on city-wide closed circuit TV.

Theophylline Toxicity - Department of Medicine Noon Conference, May 8, 1990 and January 10, 1991.

Department of Medicine Noon Conference Noon Conference: Dosing Drugs in Patients with Renal Insufficiency February 2, 1992

Department of Medicine Grand Rounds: Drug-induced Increases in Diaphragmatic Contractility: Fact or Fancy? April 10, 1992.

Gastrointestinal Decontamination in Drug Overdose - Reducing the Load. Department of Medicine Noon Conference, December 10, 1992.

Ethanol Substitute Poisoning - UMKC Pulmonary/Critical Care Section Didactic Lecture, February 25, 1993.

Department of Medicine Grand Rounds: Clinical Pharmacology of Tobacco Use: Where There's Smoke There's "Ire". UMKC Medical School, January 27, 1995

Department of Surgery Grand Rounds: Basic Pharmacology of Antimicrobial Agents Truman Medical Center Department of Surgery, January 14, 1995

Morbidity and Mortality Conference, Contrast media (iodine) allergy: pathophysiology, high risk patients, avoidance. Internal Medicine Residency Program, Truman Medical Center, January 30, 1995

Department of Medicine Noon Conference Noon Conference: Dosing Drugs in Patients with Renal Insufficiency February 9, 1995

Gastrointestinal Decontamination in Drug Overdose - Reducing the Load. Department of Medicine Noon Conference, February 13, 1996

Department of Medicine Noon Conference Noon Conference: Dosing Drugs in Patients with Renal Insufficiency February, 1996

Gastrointestinal Decontamination in Drug Overdose - Reducing the Load. Department of

Medicine Noon Conference, January 13, 1998

Invited speaker to Truman Medical Center-West Emergency Department Morbidity and Mortality Conference to speak on three cases of drug overdose (amitriptyline, theophylline, acetaminophen) October 7, 1998.

Stress Ulceration Prophylaxis in Intensive Care Patients: an Evidence-practice Mismatch?
Department of Medicine Grand Rounds. January 15, 1999

Evidence-based Medicine to Clinical skills course for year three medical students, UMKC school of Medicine. November 23, 1999 to present. Invited lecturer, 1 hour lecture.

Invited speaker: How to read an article from the medical literature. Oral maxillofacial surgery residents, December 6, 1999. Article presented for discussion: Strom BL, Abrytyn E, et al. Dental and cardiac risk factors for infective endocarditis. Ann Intern Med. 1998;129:761.

Department of Medicine Noon Conference: Drug Overdose in the Adult Patient 2/7/2000
Presented again 4/2/02, 2006, 2008, 2010

Department of Medicine Noon Conference: Hypophosphatemia 12/12/00

Department of Medicine Noon Conference: Diuretic Resistance 11/13/01

Department of Medicine Grand Rounds: Antibiotics in Animal feed: Feast or Therapeutic Famine? February 1, 2002.

Invited speaker: TMC and Saint Luke's Cardiology Fellows' Basic Science Seminar. Diuretic Resistance. 2/13/02

Department of Medicine Noon Conference: Use of the Laboratory in Toxicology: Testing for drugs of abuse & misadventure. 12-10-02

Department of Medicine Noon Conference: New concepts in narcotic addiction. June 10, 2003

Department of Medicine Noon Conference: Less common substances of abuse. November 17, 2003

Department of Medicine Grand Rounds: Unknown drug overdose: unraveling the clues 4/30/04

Department of Medicine Noon Conference: Diuretic Resistance Oct 11, 2004

Dept of Medicine Noon Conference: The 10 minute talk: presenting your research May 3, 2005

Dept of Medicine Noon Conference: Early management of acute drug overdose August 12, 2005

Department of Medicine Noon Conference Noon Conference: Dosing Drugs in Patients with Renal Insufficiency Nov 29, 2005

Invited speaker, pulmonary/critical care journal club, SOM, Dec 19th, 2005. Preventing dye-induced renal injury associated with contrast dye.

Dept of Medicine Noon Conference: Getting started in research May, 2006

Dept of Medicine Noon Conference: Getting started in research Oct 2, 2009

Dept of Medicine Noon Conference: Early management of acute drug overdose August 11, 2006

Dept of Medicine Noon Conference: Ethanol substitute poisoning. August 30, 2007

Residents' Knowledge of biostatistics DOM noon conference Nov 8, 2007

Dept of Medicine Noon conference Some biostatistical issues 4-10-08

Dept of Medicine Grand Rounds, May 23, 2008. Drug-induced QT prolongation: a modern sword of Damocles?

Dept of Medicine Noon Conference: Early management of acute drug overdose August 5, 2008

Medical School: How to use Blackboard for large group teaching. Teaching Scholars program, UMKC School of Medicine. Oct 31, 2008.

Dept of Medicine Noon Conference: How to write and present a poster. Dec 11, 2008.

Family Medicine noon conference: How to write and present a poster. Feb 4, 2009

Dept of Medicine Noon Conference – how to write and present a poster – May 12, 2011

Dept of Medicine Noon Conference: How to write a case report. Mar 12, 2009

Dept of Medicine Noon Conference: Some biostatistical concepts Feb 11, 2010

Dept of Medicine Noon Conference: Some biostatistical concepts Nov 11, 2010

Dept of Medicine Noon Conference: Some clinically relevant biostatistical concepts Nov 10, 2011

Department of Medicine Grand Rounds. May 25, 2010. Unknown drug overdose: unraveling the clues.

Invited speaker to nursing conference: How to critique a scientific article. August 16, 2010. Truman Medical Center.

Dept of Medicine Noon Conference: How to write a case report. Feb 9, 2012

Dept of Medicine noon conf - some clinically relevant statistical issues 2012 Dec 13, 2012

Department of Medicine Grand Rounds: June 26, 2012 – The art and science of estimating renal function: going with the flow.

Invited speaker to pathology residents' conference – spoke on biostatistical issues related to testing May 31, 2013

Dept of Medicine Noon Conference: Early management of acute drug overdose August 8, 2013

Department of Medicine Grand Rounds: March 4, 2014 – Of baths and vapors: innovations in substance abuse. (my 22nd grand rounds)

Dept of Medicine noon conf Feb 12, 2015: How to present your research: the 10 minute talk

Dept of Medicine Noon Conference - Early management of acute drug overdose July 31, 2014

Dept of Medicine Noon Conference - Early management of acute drug overdose July 31, 2015

Department of Medicine Grand Rounds: February 23, 2016 (my 23rd grand rounds) Metabolic crisis: methanol and ethylene glycol poisoning.

Teaching and mentoring Oct 27, 2016. To the anesthesia department at St. Lukes's hospital

Department of Medicine Grand Rounds: March 20, 2018. Lapses in reasoning: when we've been wrong. (my 24th grand rounds)

Special elective for David Wooldridge, MD (Chief Resident, 1996-1997), in Evaluation of Medical Literature. Month of June, 1997. As part of Ambulatory Care Month. Met one afternoon each week for about 2 hours to evaluate an article. This involved each of us very carefully reading the article in advance, calculating absolute risk reduction (ARR), number needed to treat (NNT), number needed to treat to lead to one bad outcome; all of these with 95% confidence intervals on the value. We went through each article in detail, and discussed and critiqued each section of the paper in turn. Articles reviewed: Week one: DCCT Research Group. The effect of intensive treatment of diabetes on the development and progression of long-term complications in insulin-dependent diabetes mellitus. *New Engl J Medicine*. 1993;329:977-86. Week 2: no meeting: DW on vacation. Week 3: Lewis *NEJM* 1993;329:1456 Effect ACE Inhibitors on diabetic nephropathy. week 4: DW presented in the residents journal with my supervision. Article: Pitt B. Randomized trial of losartan versus captopril in patients over 65 with heart failure (the ELITE study).

Special research elective for Marie Philipneri, MD (3rd year internal medicine resident) June and July, 1998. Met in afternoons 3 times per week for about 2 to 2.5 hours each time. This involved each of us very carefully reading the article in advance, calculating absolute risk reductions (ARR), number needed to treat (NNT), number needed to treat to lead to one bad outcome; all of these with 95% confidence intervals on the value. We went through each article in detail, and critiqued each section of the paper in turn. When anything was found that deserved criticism, we always discussed alternate methods of design to improve the research.

June 2: planning meeting, discussion of primary versus secondary study end points

June 3: Discussed two articles: #75 Zeller KR, Rapid reduction of severe asymptomatic hypertension. *Arch Intern Med*. 1989;149:2186; and #318 - Comparison of ibuprofen and acetaminophen in treatment of pts with osteoarthritis of the knee. Prospective. *NEJM* 1991;325:87-91.

June 4: Scandanavian Simvastatin Survival Trial (4S study). *Lancet*. 1994;344:1383.

June 8: Ramond MJ *NEJM* 1992;326:507- Randomized trial of prednisolone in pts with severe alcoholic hepatitis.

June 10: DCCT trial (Klatchko J, et al. The effect of intensive treatment of diabetes on the development and progression of long-term complications in insulin-dependent diabetes mellitus. *NEJM*. 1993;329:997.

June 11: Lewis EJ, et al. Effect angiotensin-converting-enzyme inhibition on diabetic nephropathy. *NEJM*. 1993;329:1456

June 15: Pernerger Risk of kidney failure associated with the use of acetaminophen, aspirin, and NSAIDs *NEJM* 1994;331:1675.

June 17: Solomon R, et al. Effects of saline, mannitol, and furosemide on acute decreases in renal function induced by radiocontrast agents. *NEJM* 1994;331:1416

June 18: Cauley, et al. Estrogen replacement therapy and fractures in older women. *Ann Intern Med* 1995;122:9.

June 22: Charache. Effect of hydroxyurea on the frequency of painful crises in sickle anemia. *NEJM*. 1995;332:1317

June 23: regularly scheduled residents' journal club meeting. I asked Marie to present the article for the day as part of the elective. Marie presented. Ravid M, et al. Use of enalapril to attenuate decline in renal function in normotensive, normoalbuminuric patients with Type 2 diabetes mellitus. *Ann Intern Med*. 1998;128:982-8.

June 25: Silverstein. Misoprostol, serious GI complications, and NSAIDs *Ann Intern Med* 1995;123:241.

June 29: Hoes AW, et al. Diuretics, β blockers, and the risk for sudden cardiac death in hypertensive patients. *Ann Intern Med*. 1995;123:481.

July 6: Spitzer WO, et al. Use of β -agonists and the risk of death and near death from asthma. (case control). *NEJM* 1992;326:501.

July 8: Pfeffer MA, et al. (SAVE trial) Effect of captopril on mortality and morbidity in pts with left ventricular dysfunction after myocardial infarction. *NEJM* 1992;327:669.

July 9: Singh N, et al. trimethoprim-sulfamethoxazole for the prevention of spontaneous bacterial peritonitis in cirrhosis: a randomized trial. *Ann Intern Med*. 1995;122:595-8.

July 13: Kawachi I, Colditz GA, et al. A prospective study of passive smoking and coronary heart disease. *Circulation* 1997;95:2374-9

July 15: Lai CL, et al. One year trial of lamivudine for chronic hepatitis B. *New Engl J Med*. 1998;339:61.

July 16: Smith-Warner SA, et al. Alcohol and Breast Cancer in Women. *JAMA* 1998;279:535 (meta-analysis)

July 20: viewed Dr. Cuddy's noon conference on meta-analysis on video tape

July 22: reviewed two articles on meta-analysis in follow-up to previous session: Freeman C, et al. Mega-analysis of meta-analysis: an examination of meta-analysis with an emphasis on once-daily aminoglycoside trials. *Pharmacotherapy* 1996;16:1093, and Pagliaro L, et al. Prevention of first bleeding in cirrhosis. *Ann Intern Med* 1992;117:59 (meta-analysis of β -blockers and sclerotherapy in prevention of bleeding).

July 23: Weiss MF, et al. Free pentosidine and neopterin as markers of progression rate in diabetic nephropathy. *Kidney International*. 1998;54:193.

July 27: Calculating sensitivity and specificity of a test and likelihood ratios, using an internet statistical package, an article from Evidence Based Medicine (May/June, 1998), and the book Evidence-Based Medicine (Sackett DL, et al, Churchill-Livingstone, New York, 1997) as references. Discussion of the Cochrane Collaboration Project and a visit to their internet site were also accomplished.

July 29: Computer statistical programs, statistical and study design-oriented textbooks and review articles (1993 JAMA series User Guide to the Medical Literature, Gaddis series in *Ann Emergency Medicine* on Statistics, Elenbaas/Cuddy series in *Ann Emergency Medicine* series on study design)

July 30: More on likelihood ratios, evaluation of elective, and Marie's performance during elective.

Special research elective with Heather Kort, DO, January, 2005. Besides working on her resident research project (for which I am the faculty adviser), we reviewed biostatistical issues likely to appear on internal medicine boards which Heather will take this summer during several lengthy educational sessions. Objectives included preparing for the IRB, designing a research project, and statistical analysis.

EBM elective for Iris Comes and Jill Dawson, 2006

EBM elective for Stella Abyhankar, MD, August, 2007

Research elective for Megan Varma, MD, 2012

Research elective for Luciana Lawless, DO, 2012

Faculty participant in **Research Design & Biostatistics Seminar** for Truman Medical Center Medical Fellows - fall, 1995. Course curriculum included basic statistics, cohort study design & statistical analysis (with examples), prospective blinded controlled studies & statistical analysis (with literature examples), and interaction with investigational review boards & writing consent forms. Other faculty included Stephen Dahl, PharmD, Paul Cuddy, PharmD, Julie Wright, PharmD, & Jacque Marinac, PharmD. My section was Controlled Clinical Trials, presented 10/3/95, and again in Oct, 1997. In 1997 my part comprised a journal club style review of the Raschke paper on weight-based dosing of heparin (Ann Intern Med 1993;119:874) as a model of a well-designed prospective clinical trial, an overview of various types of studies, the advantages, disadvantages, and relative strengths of each, and how to grade a study. Finally, we calculated RR, RRR, ARR, NNT on a number (about 8) of recent important studies with the goal of helping the fellows learn how to calculate, understand, and apply these values.

Faculty participant in **Research Design & Biostatistics Seminar** for Truman Medical Center Medical Fellows - winter/spring 2001 Course curriculum included basic statistics, cohort study design & statistical analysis (with examples), prospective blinded controlled studies & statistical analysis (with literature examples), and interaction with investigational review boards, survival analysis, introduction to evidence-based medicine, and sensitivity, specificity, prevalence, predictive values, likelihood ratios. Other faculty included Paul Cuddy, PharmD, Julie Wright, PharmD, Julie Oki, PharmD, Alan Salkind, MD, Jill Moormeier, MD, Gary Gaddis, MD, PhD. My section was Controlled Clinical Trials, presented 4/2/01, and 4/9/01. My part comprised a journal club style review of the Raschke paper on weight-based dosing of heparin (Ann Intern Med 1993;119:874) as a model of a well-designed prospective clinical trial, an overview of various types of studies, the advantages, disadvantages, and relative strengths of each, and how to grade a study. Finally, we calculated RR, RRR, ARR, NNT on a number (about 8) of recent important studies with the goal of helping the fellows learn how to calculate, understand, and apply these values.

Director of Journal Club for Internal Medicine Residency Program, UMKC School of Medicine, Truman Medical Center/St. Luke's Hospital beginning June, 1995. Responsibilities include selection of one article per month (10 mos/year, excluding July & August), leading detailed critical discussion & evaluation of article, developing a core library of instructive articles and books on evaluating medical literature, helping the resident discussants prepare for journal club, and providing an evaluation of their presentation for the resident's file. Other issues addressed include basic statistics, study design, risk reduction, relative risk reduction, absolute risk reduction, and number needed to treat. An attempt is made to include prospective, controlled, blinded designs, as well as cohort & trohoc archetypes. The articles selected are important, mainstream articles from major medical journals (N Engl J Med, Ann Intern Med, etc).

Articles reviewed include:

1995:

June 29, - Raschke - Ann Intern Med 1993;119:874 (weight-based heparin 80u/kg LD, 18 u/kg/h)

September 27, Silverstein - Misoprostol, serious GI complications, and NSAIDs Ann Intern Med 1995;123:241.

October 10, - Lewis NEJM 1993;329:1456 Effect ACE Inhibitors on diabetic nephropathy

November 29, - Ben-Menachem 1994;121:568-75. Prophylaxis for stress-related gastric hemorrhage in the medical intensive care unit.

December 12, - Pernerger NEJM 1994;331:1675 Risk of kidney failure associated with the use of acetaminophen, aspirin, and NSAIDs (trohoc study)

1996

January 30 Amiodarone in pts with congestive heart failure and asymptomatic ventricular arrhythmia. NEJM 1995;333:77.

February 27 Charache S Effect of hydroxyurea on the frequency of painful crises in sickle anemia. NEJM. 1995;332:1995;332:1317-22.

March 27 Levine M, Gent M, et al. A comparison of low-molecular-weight heparin administered primarily at home with unfractionated heparin administered in the hospital for proximal deep-vein thrombosis. N Engl J Med. 1996;334:677-81. AND March 27 Koopman MMW, Prandoni P, et al. Treatment of venous thrombosis with intravenous unfractionated heparin administered in the hospital as compared with subcutaneous low-molecular-weight heparin administered at home. N Engl J Med. 1996;334:682-7. (emphasis on Levine article, but comparisons made).

April 30 Maschio, et al. Effect of the angiotensin converting enzyme inhibitor benazepril on the progression of chronic renal insufficiency NEJM 1996;334:939-45.

June 26 Packer M, et al. Effect of carvedilol on morbidity and mortality in pts with chronic heart failure. NEJM 1996;334:1350.

September 25 Bradley JD et al. Comparison of an antiinflammatory dose of ibuprofen, an analgesic dose of ibuprofen, and acetaminophen in the treatment of patients with osteoarthritis of the knee. N Engl J Med. 1991;325:87-91.

October 23 Packer, et al. Effect of amlodipine on morbidity and mortality in severe chronic heart failure. NEJM 1996;335:1107.

November 27 Mossad SB, Macknin ML, et al. Zinc gluconate lozenges for treating the common cold. Ann Intern Med. 1996;125:81-8.

December 30 Mangano DT, Layug EL, et al. Effect of atenolol on mortality and cardiovascular morbidity after noncardiac surgery. NEJM 1996;335:1713

1997

January 29 Clark LC, Combs GF, et al. Effects of selenium supplementation for cancer prevention in patients with carcinoma of the skin. JAMA 1996;276:1957-63.

February 26 Schulman S, Granqvist S, Holmström, et al. The duration of anticoagulant therapy after a second episode of venous thromboembolism. NEJM 1997;336:393-8.

March 26 Digitalis Investigation Group. Effect of digoxin on mortality and morbidity in patients with heart failure. NEJM 1997;336:525-533.

April 30 Khuroo, et al. Comparison of omeprazole and placebo for bleeding peptic ulcer NEJM 1997;336:1054-8.

May 28 Kawachi I, Colditz GA, et al. A prospective study of passive smoking and coronary heart disease. Circulation 1997;95:2374-9

June 25 Pitt B, et al. Randomized trial of losartan versus captopril in patients over 65 with heart failure (Evaluation of Losartan In the elderly Study, ELITE) Lancet; 1997;349:747-51.

Sept 27 Adachi JD, et al. Intermittent etidronate therapy to prevent corticosteroid-induced osteoporosis. NEJM 1997;337:382-7.

Oct Anon. Randomized, placebo-controlled trial of carvedilol in patients with congestive heart failure due to ischemic disease. Lancet 1997;349:375-80. (Feb 8)

Nov - Hurt RD, Sachs DPL, et al. Comparison of sustained-release bupropion and placebo for smoking cessation. NEJM 1997;337:1195.

1998

Jan Taha AS, et al. Famotidine for the prevention of gastric and duodenal ulcers caused by nonsteroidal antiinflammatory

drugs. N Engl J Med. 1996;334:1435.

Feb Daoud et al. Preoperative amiodarone as prophylaxis against atrial fibrillation in patients undergoing heart surgery. N Engl J Med. 1997;337:1785

March Cook D, et. al. Comparison of sucralfate and ranitidine for the prevention of upper gastrointestinal bleeding in pts requiring mechanical ventilation. New England Journal of Medicine. 1998;338:791.

May 27 Estacio RO, et al. Effect of nisoldipine as compared with enalapril on cardiovascular outcomes in patients with non-insulin-dependent diabetes and hypertension. N Engl J Med 1998;38:645-52.

June 24 Ravid M, et al. Use of enalapril to attenuate decline in renal function in normotensive, normoalbuminuric patients with Type 2 diabetes mellitus. Ann Intern Med. 1998;128:982-8.

September 24 Gottlieb. Effect of beta blockade on mortality among high-risk and low-risk pts after myocardial infarction. NEJM 1998;339:489.

October 28 Fisher B, et al. Tamoxifen for the prevention of breast cancer: Report of the National Surgical Adjuvant Breast and Bowel Project P-1 Study. J National Cancer Institute. 1998;90:1371.

November 24 Prevention of cardiovascular events and death with pravastatin in pts with coronary heart disease and a broad range of initial cholesterol values New Eng J Med 1998;339:1349

December 22 Diaz R., et al. Metabolic modulation of acute myocardial infarction. Circulation. 1998;98:2227.

1999

January- Strom BL, Abrytyn E, et al. Dental and cardiac risk factors for infective endocarditis. Ann Intern Med. 1998;129:761.

February 24 CIBIS-II Cardiac Insufficiency Bisoprolol Trial The Lancet. 1999;353:9.

March 24 Jorenby DE, et al. Controlled trial of sustained-release bupropion, a nicotine patch, or both for smoking cessation. NEJM. 1999;340:685.

April - Rathley, et al. Lorazepam for the prevention of recurrent seizures related to alcohol. NEJM. 1999;340:915.

May 26 - Chen J, et al. Do "America's best hospitals" perform better for acute myocardial infarction? NEJM 1999;340:286.

June 23 - Ponc R, et al. Neostigmine for the treatment of acute colonic pseudo-obstruction. NEJM 1999; July 15 issue

Sept 29 - Pitt B, et al. Effect of spironolactone on morbidity and mortality in pts with severe heart failure. NEJM 1999;341:709-17.

Oct 27 - Efficacy of metoprolol CR/XL in chronic heart failure: metoprolol CR/XL randomized intervention trial in congestive heart failure (MERIT-HR). The Lancet. 1999;353:2001

Nov 23 - Effects of an ACE inhibitor, ramipril, on death from cardiovascular causes, myocardial infarction, and stroke in high-risk patients. NEJM 1999 (need to add vol and page when available)

Dec 29 - Effectiveness of high-dose riboflavin in migraine prophylaxis. Neurology 1999;50:466-70.

2000

Feb 23 - Packer M, et al. Comparative effects of low and high doses of the angiotensin-converting enzyme inhibitor, lisinopril, on morbidity and mortality in chronic heart failure. Circulation. 1999;100:2312-8.

Mar 29 - Weiler JM, et al. Effects of fexofenadine, diphenhydramine, and alcohol on driving performance. Ann Intern Med 2000;132:354-63.

April 26 ALLHAT investigators. Major cardiovascular events in hypertensive patients randomized to doxazosin vs chlorthalidone. JAMA 2000;283:1967-75.

May 24. Effect of losartan compared with captopril on mortality in patients with symptomatic heart failure: randomized trial - the Losartan Heart Failure Survival Study ELITE II. The Lancet 2000.355:1582-7.

June 21. Kress JP, et al. Daily interruption of sedative infusions in critically ill patients undergoing mechanical ventilation. *NEJM*2000;342:1471-7.

September 27 Tepel M, et al. Prevention of radiographic contrast agent induced reductions in renal function by acetylcysteine. *N Engl J Med.* 2000;343:180.

November 22. Kernan WN, et al. Phenylpropanolamine and the risk of hemorrhagic stroke. *N Engl. J Med.* Early publication on web site: final article to be published Dec 21, 2000.

December 27 Johnson RE, et al. Comparison of levomethadyl acetate, buprenorphine, and methadone for opioid dependence. *N Engl J Med.* 2000;343:1290.

2001

January 24 ANZICS. Low dose dopamine in pts with early renal dysfunction: a placebo controlled trial. *The Lancet.* 2000;356:2139.

February 28. Bernard. Efficacy and safety of recombinant human activated protein C for severe sepsis. *NEJM*2001;344:699.

March 28 Mogensen CE. Randomized controlled trial of dual blockade of renin-angiotensin system in patients with hypertension, microalbuminuria, and non-insulin dependent diabetes: the candesartan and lisinopril microalbuminuria (CALM) study. *BMJ.* 2000;321:1440.

April Akriviadis E, et al. Pentoxifylline improves short-term survival in severe acute alcoholic hepatitis: a double-blind, placebo-controlled trial. *Gastroenterology* 2000.119:1637-48.

May McClung MR, et al. Effect of risedronate on risk of hip fracture in elderly women *NEJM* 2001;344:333-40.

June Packer M. Effect of carvedilol on survival in severe heart failure. *NEJM.* 2001;344:1651.

September 26 Lewis EJ, et al. Renoprotective effect of the angiotensin receptor antagonist irbesartan in patients with nephropathy due to type 2 diabetes. *NEJM* 2001;345:851.

November Randomized trial of a perindopril based blood pressure lowering regimen among 6105 individuals with previous stroke or transient ischemic attack. *Lancet* 2001;358:1033.

December 26 Cohn JN. Randomized trial of the angiotensin-receptor blocker valsartan in chronic heart failure. *NEJM.* 2001;345:1667-75.

2002

January 23. Wouters. Intensive insulin therapy in critically ill patients. *NEJM* 2001;345:1359.

February 27 Anon. Reduction in the incidence of Type 2 diabetes in patients treated with metformin or lifestyle intervention. *NEJM* 2002;346:393.

March 27 Anon. Mild therapeutic hypothermia to improve the neurologic outcome after cardiac arrest. *NEJM* 2002.346:549-56.

April 24 Aversanov T. Thrombolytic therapy vs primary percutaneous coronary intervention for myocardial infarction in pts presenting to hospitals without on-site cardiac surgery. *JAMA.* 2002;287:1943-51.

May 22 *Serratia marcescens* bacteremia traced to an infused narcotic. *NEJM.* 2002;346:1529-37.

June 26 Perl TM, et al. Intranasal mupirocin to prevent postoperative staphylococcus aureus infections. *NEJM* 2002;346:1871-7.

September 25 WHI trial. Risks and benefits of estrogen plus progestin in healthy postmenopausal women. *JAMA.* 2002;288:321.

October 23 Hurlen M, et al. Warfarin, aspirin, or both after myocardial infarction. (WARIS II). *N Engl J Med.* 2002;347:969.
November 27 De Gans J, van Beek, et al. Dexamethasone in adults with bacterial meningitis. *NEJM* 2002;347:1549-56.

December 31 AFFIRM. Comparison of rate control and rhythm control in patients with atrial fibrillation. *N Engl J Med.* 2002;347:1825-33.

2003

January 22, ALLHAT. Major outcomes in high-risk hypertensive patients randomized to angiotensin-converting enzyme inhibitor or calcium channel blocker vs diuretic. *JAMA.* 2003;288:2981-97.

February 26, 2003. Kay. Acetylcysteine for prevention of acute deterioration of renal function following elective coronary angiography and intervention. *JAMA* 2003;289:533-8.

March 26, 2003, Ridker PM. Long-term, low intensity warfarin therapy for the prevention of recurrent venous thromboembolism. *NEJM.* 2003; 348:15.

April Pitt B, et al. Eplerenone, a selective aldosterone blocker, in pts with left ventricular dysfunction after myocardial infarction. *NEJM* 2003;348:1309-21.

May. NETT. Randomized trial comparing lung-volume-reduction surgery with medical therapy for severe emphysema. *NEJM* 2003;348:2059-73.

June. Annane D, et al. Effect of treatment with low doses of hydrocortisone and fludrocortisone on mortality in pts with septic shock. *JAMA* 2002;288:862-71.

September 24. Hylek EM. Effect of intensity of oral anticoagulation on stroke severity and mortality in atrial fibrillation. *NEJM.* 2003 349:1019.

October 22, 2003. Randomized trial of letrozole in postmenopausal women after 5 years of tamoxifen therapy for early-stage breast cancer. *NEJM* 2003;349:(online)

November 16, 2003. Pfeffer MA, et al. Valsartan, captopril, or both in myocardial infarction complicated by heart failure, left ventricular dysfunction, or both. *NEJM.* 2003;349:1893-906.

2004

Jan 28, 2004. MATISSE INVESTIGATORS. Subcutaneous fondaparinux versus intravenous unfractionated heparin in the initial treatment of pulmonary embolism. *NEJM.* 20003;349:1695-702.

Feb 25, 2004. Velicer CM, et al. Antibiotic use in relation to the risk of breast cancer. *JAMA* 2004;291:827-35.

Mar 24, 2004 Cannon CP, et al. Comparison of intensive and moderate lipid lowering with statins after acute coronary syndromes. *NEJM.* 2004;350:1495.

Apr 28, 2004 Hamrahian AH, et al. Measurement of serum free cortisol in critically-ill patients. *NEJM.* 2004;350:1629-38.

May 26, 2004 Sargent RP, et al. Reduced incidence of admissions for myocardial infarction associated with public smoking ban: before and after study. *BMJ* 2004;328:977.

June 23, 2004. Merten GJ, et al. Prevention of contrast induced nephropathy with sodium bicarbonate. *JAMA* 2004;291:2328.

Sept 22, 2004. Ray WA, et. al. Oral erythromycin and the risk of sudden death from cardiac causes. *NEJM* 2004;351:1089-96.

Oct 27, 2004. Diener. Aspirin and clopidogrel compared with clopidogrel alone after recent ischemic stroke or TIA in high-risk pts (MATCH trial). *Lancet* 2004;364:331.

Nov 24, 2004 Taylor. Combination of isosorbide dinitrate and hydralazine in blacks with heart failure. *NEJM* 2004;351:2049-57.

Dec 22, 2004 Juurlink DN, et al. Rates of hyperkalemia after publication of the randomized aldactone evaluation study (RALES). *NEJM* 2004;351:543-51.

2005

- Jan 26, 2005 Ridker PM, et al. C-reactive protein levels and outcomes after statin therapy. *NEJM*. 2005;352:20-8.
- Feb 23, 2005 Amiodarone or an implantable cardioverter-defibrillator for congestive heart failure. *NEJM* 2005;353:225-237.
- March 23, 2005. Randomized trial of low dose aspirin in the primary prevention of cardiovascular disease in women. *NEJM* 2005;352:
- April 27, 2005 Chimowitz MI, et al. Comparison of warfarin and aspirin for symptomatic intracranial arterial stenosis. *NEJM* 2005;352:1305-16.
- May 25, 2005 Meine TJ, et al. Association of intravenous morphine use and outcomes in acute coronary syndromes: results from the CRUSADE quality improvement initiative. *Am Heart J*.2005;149:
- June 22, 2005 LaRosa J, et al. Intensive lipid lowering in pts with atorvastatin in pts with stable coronary disease. *NEJM* 2005;352:1425-35.
- Sept 28, 2005 Bucaneve G, et al. Levofloxacin to prevent bacterial infection in patients with cancer and neutropenia. *N Engl J Med*. 2005;353:977-87.
- Oct 25, 2005 Romond EH, et al. Trastuzumab plus adjuvant chemotherapy for operable HER2 positive breast cancer. *NEJM* 2005;353:1673-84.
- Nov 23, 2005 Bradley TD, et al. Continuous positive airway pressure for central sleep apnea & heart failure. *NEJM* 2005;353:2025-33.
- Dec 28, 2005 Becker MA, et al. Febuxostat compared with allopurinol in pts with hyperuricemia and gout. *NEJM* 2005;353:2450-61.

2006

- Jan 25 2006 Hou FF et al. Efficacy and safety of benazepril for advanced chronic renal disease. *NEJM* 2006;354:131-40.
- Feb 22, 2006. Van den Berghe, et al. Intensive insulin therapy in the medical ICU. *NEJM* 2006;354:449-61.
- Mar 22, 2006 Park-Wyllie LY., et al. Outpatient gatifloxacin therapy and dysglycemia in older adults. *NEJM* 2006;354:1.
- April 26, 2006 Bhatt DL, et al. Clopidogrel and aspirin vs aspirin alone for the prevention of atherothrombotic events. *NEJM* 2006;354:1706-17.
- May 31, 2006 Wiedemann HP, et al. Comparison of two fluid strategies in acute lung injury. *NEJM* 2006;354:online
- June 28, 2006 Effect of tamoxifen vs raloxifene on the risk of developing invasive breast cancer and other disease outcomes. *JAMA* 2006; 295: online
- Sept 27, 2006 Kearon C, et al. Comparison of fixed-dose weight-adjusted unfractionated heparin and low-molecular-weight heparin for acute treatment of venous thromboembolism. *JAMA* 2006;296:935-42.
- Oct 25, 2006 Marenzi G, et al. N-acetylcysteine and contrast-induced nephropathy in primary angioplasty. *NEJM* 2006;354:2773-82.
- Nov 22, 2006 Singh AK, et al. Correction of anemia with epoetin alfa in chronic renal disease. (or correction of hemoglobin and outcomes in renal insufficiency CHOIR) *N Engl J Med*. 2006;355:2085-98.
- Dec 27, 2006 Kahn SE, et al. Glycemic durability of rosiglitazone, metformin, or glyburide monotherapy. *N Engl J Med*. 2006;355:2427-43.

2007

- Jan 24, 2007 Zanettini R, et al. Valvular heart disease and the use of dopamine agonists for Parkinson's Disease. *N Engl J*

Med. 2007;356:39-46.

Feb 28, 2007 Calverley P, et al. Salmeterol and fluticasone propionate and survival in chronic obstructive pulmonary disease. NEJM 2007;356:775-89.

March 28, 2007 Kostis WJ, et al. Weekend vs weekday admission and mortality from myocardial infarction. NEJM 2007;356:1099-109.

May, 23, 2007. Black DM, et al. Once-yearly zoledronic acid for treatment of postmenopausal osteoporosis. NEJM 2007;356:1809-22.

June 27, 2007 Effect of rosiglitazone on the risk of myocardial infarction and death from cardiovascular causes. NEJM 2007;356:2457-71.

Sept 26, 2007 Corwin H, et al. Safety and efficacy of epoetin alfa in critically ill patients. NEJM 2007;357:965-76.

Oct 24, 2007 van Gogh. Idaraparin vs std therapy for venous thromboembolic disease. NEJM 2007;357:1094-104.

Nov 28, 07 Lyles K. Zoledronic acid and clinical fractures and mortality after hip fracture. NEJM 2007;357:1799-809.

Dec 26, 2007. Robbins J, et al. Factors associated with 5-year risk of hip fracture in postmenopausal women. JAMA 2007;298:2389.

Jan 23, 2008 Sprung CL, et al. Hydrocortisone therapy for patients with septic shock NEJM 2008;358:111-24.

Feb 27, 2008 Brunkhorst FM, et al. Intensive insulin therapy and pentastarch resuscitation in severe sepsis. NEJM 2008;358:125-39.

Mar 26, 2008 Russell JA, et al. Vasopressin vs norepinephrine infusion in patients with septic shock. NEJM 2008;358:877-86.

May 28, 2008 Kastelein JJP, et al. Simvastatin with or without ezetimibe in familial hypercholesterolemia. NEJM 2008;358:1431.

June 25, 2008 ACCORD writers. Effects of glucose lowering in type 2 diabetes. NEJM 2008;358:2545-59.

Sept 24, 2008 Thomas J, et al. Methylnaltrexone for opioid-induced constipation in advanced illness. N Engl J Med. 2008;358:2332-43.

Oct 22, 2008 Tashkin DP, et al. A 4 year trial of tiotropium in chronic obstructive pulmonary disease. N Engl J Med. 2008;359:1543-54.

Nov 25, 2008 Ridker PM, et al. Rosuvastatin to prevent vascular events in men and women with elevated C-reactive protein. N Engl J Med. 2008;359:2195-207.

2009

Jan 28, 2009 Ray WA. Atypical antipsychotic drugs and the risk of sudden cardiac death. N Engl J Med. 2009;360:225-35.

Feb 25, 2009 Anon. Estimation of the warfarin dose with clinical and pharmacogenetic data. N Engl J Med 2009;360:753-64.

March 25, 2009 Juurlink DHN, et al. Population based study of the drug interaction between proton pump inhibitors and clopidogrel. CMAJ. 2009;180:online-1-7.

April 22, 2009. NICE-SUGAR. Intensive vs conventional glucose control in critically ill patients. N Eng J Med. 2009;360:1283-97.

May 27, 2009 ACTIVE Effect of clopidogrel added to aspirin in pts with atrial fibrillation. N Engl J Med. 2009;360:2066-78.

June 24, 2009 Herzig SJ, et al. Acid-suppressive medication use and the risk for hospital-acquired pneumonia. JAMA 2009;301:2120-8.

Sept 23, 2009 Connolly SJ, et al. Dabigatran vs warfarin in pts with atrial fibrillation. N Engl J Med. 2009;361:

Oct 28, 2009 RENAL investigators. Intensity of continuous renal replacement therapy in critically ill patients. N Engl J Med.

2009;361:1627-38.

Nov 25, 2009 Taylor AJ, et al. Extended-release niacin or ezetimibe and carotid intima-media thickness. N Engl J Med. 361;2113-22.

Dec 23, 2009 Schulman S, et al. Dabigatran vs warfarin in the treatment of acute venous thromboembolism. N Engl J Med. 2009;361:2342-52.

2010

Jan 27, 2010 Treatment with monoclonal antibodies against *Clostridium difficile* toxins. Lowy I, et al. N Engl J Med 2010 362:197-05.

Feb 24, 2010 Projected effect of dietary salt reductions on future cardiovascular disease. N Engl J Med. 2010;362:590-9.

Mar 23, 2010 ACCORD. Effects of intensive blood pressure control in type 2 diabetes mellitus. N Engl J Med. 2010; online 3-14-10

Apr 27, 2010 ACCORD. Effects of combination lipid therapy in type 2 diabetes mellitus. N Engl J Med. 2010: online 4-21-10.

May 26, 2010. VanGelder IC, et. al. Lenient vs strict rate control in patients with atrial fibrillation. N Eng J Med. 2010;362:1363-73.

June 23, 2010. Stone G. et al. Everolimus-eluding vs paclitaxel eluding stents in coronary artery disease. N Eng J Med. 2010;362:1663-74.

Sept 22, 2010 A randomized controlled trial of early vs late initiation of dialysis. N Eng J Med. 2010;363:609-19.

Oct 26, 2010 Ling W. Buprenorphine implants for treatment of opioid dependence.. JAMA. 2010;304:1576-82.

Nov 24, 2010 Zannad F. Eplerenone in patients with systolic heart failure and mild symptoms. N Engl. J of Med. 2010; early online.

Dec 22, 2010 Tang AS.L. Cardiac resynchronization therapy for mild-to-moderate heart failure. New Engl J Med. 2010;363:2385-95.

2011

Jan 26, 2011 EINSTEIN Oral rivaroxaban for symptomatic venous thromboembolism. N Engl Med 2011;363:249-510.

Feb 23, 2011 Hemmelgarn BR, et al. Prevention of dialysis catheter malfunction with recombinant tissue plasminogen activator. N Engl J Med 2011;364:303-12.

Mar 23, 2011 Felker GM, et al. Diuretic strategies in patients with acute decompensated heart failure. N Engl J Med. 2011;364:797-805.

April 27, 2011 Jain R, et al. Veterans affairs initiative to prevent methicillin-resistant *Staphylococcus aureus* infections. N Engl J Med. 2011;364:1419-30.

June 22, 2011 Goss PE, et al. exemestane for breast-cancer prevention in postmenopausal women. N Engl J Med. 2011: early online version.

Sept 28, 2011 Apixaban vs warfarin in pts with atrial fibrillation. N Engl J Med. 2011;365:981

Oct 26, 2011 Placebo-controlled trial of cytosine for smoking cessation N Engl J Med 2011;365:1193-200.

Nov 23, 2011 Niacin in pts with low LDL cholesterol levels receiving intensive statin therapy. N Engl J Med 2011;365:1-13.

2012

Dec 28, 2012 Reduced lung cancer mortality with low-dose computed tomographic screening. N Engl J Med.

2011;365:395-409.

Jan 25, 2012 Low molecular weight heparin and mortality in acutely ill patients. N Engl J Med 2011;365:2463

Feb 22, 2012 Intramuscular vs intravenous therapy for prehospital status epilepticus. N Engl J Med 2012;366:591-600

Mar 28, 2012 Acetylcysteine for prevention of renal outcomes in patients undergoing coronary and peripheral vascular angiography Circulation 2011;124:1250-9.

April 25, 2012 Randomized trial of rectal indomethacin to prevent post-ERCP pancreatitis. N Engl J Med. 2012;366:1412-22.

May 25, 2012 Homma S. warfarin and aspirin in pts with heart failure and sinus rhythm. N Engl J Med. 2012;366:1859-69.

June 27, 2012 Becattini C, et al. Aspirin for preventing the recurrence of venous thromboembolism. N Engl J Med. 2012;366:1959-67.

Sept 25, 2012 SPS3 investigators. Effects of clopidogrel added to aspirin in patients with lacunar stroke. N Engl J Med. 2012;367:817-25.

Oct 24, 2012 Prasugrel vs clopidogrel for acute coronary syndromes without revascularization. N Engl J Med 2012;367:1297-309.

Nov 28, 2012 Brighton, TA, et al. Low-dose aspirin for preventing recurrent venous thromboembolism. N Engl J Med. 2012;367:1979-87.

Dec 26, 2012. Agnelli G, et al. Apixaban for extended treatment of venous thromboembolism. N Engl J Med. 2012;367:(early online)

2013

Jan 23, 2013. Villanueva C., et al. Transfusion strategies for acute upper gastrointestinal bleeding N Engl J Med. 2013;368:early online

Feb 2013 – cancelled due to heavy snow and university closure

March 27, 2013 Duodenal infusion of donor feces for recurrent *Clostridium difficile* N Engl J Med. 2013;368:407-15.

April 24, 2013 Reduced cortisol clearance during critical illness. N Engl J Med. 2013;368:1477-88

May 22, 2013 Pacemaker or defibrillator surgery without interruption of anticoagulation N Engl J Med 2013;368: early on line

June 26, 2013 Rapid blood pressure lowering in patients with acute intra-cerebral hemorrhage N Engl J Med. 2013;368:2355-65.

Sept 25, 2013 Apixaban for treatment of acute venous thrombosis. N Engl J Med. 2013;369:799-808.

Oct 23, 2013 – Imazio M, et. al. A randomized trial of colchicine for acute pericarditis N Engl J med. 2013;369:1522-8.

Nov 27, 2013 Fried LF, et. al. Combined angiotensin inhibition for the treatment of diabetic nephropathy. N Engl J Med. 2013;369:1892-903.

Not held in Dec because 4th Wed was Christmas day

2014

Jan 22, 2014 Starmer AJ. Rates of medical errors and preventable adverse events among hospitalized children following implementation of a resident handoff bundle. JAMA 2013;310:2262-70.

Feb 26, 2014 Miller AB, et. al. Twenty five year follow-up for breast cancer incidence and mortality of the Canadian National Breast Screening Study: randomized screening trial. BMJ 2014;348:1-10 (on line)

Mar 26, 2014 AsfarP. High vs low blood pressure target in pts with septic shock N Engl J Med. 2014;370:on line

April 23, 2014 Caironi P, et al. albumin replacement in pts with severe sepsis or septic shock. N Engl J Med. 2014;370:1412-21.

May 28, 2014 Reducing antimicrobial therapy for symptomatic bacteruria among noncatheterized inpatients: a proof of concept study. Clin infect dis. 2014;58:980-3.

June 25, 2014 Once-weekly dalvabancin vs daily conventional therapy for skin infection. N Engl J Med. 2014;370:2169-79.

September 24, 2014 McMurray J JV, et. al. Angiotensin-nepriylsin inhibition versus enalapril in heart failure. N Engl J Med. 2014;371:993-1004. (repeated Sept 30, 2015)

Oct 23, 2014 Holst LB et.al. Lower vs higher hemoglobin threshold for transfusion in septic shock. NEJM 2014;371:1381-91.

November 26, 2014. Changes in medical errors after implementation of a handoff program. N Engl J Med. 2014 371:1803-12.

2015

January 28, 2015. Walker N, et.al. Cytisine vs nicotine for smoking cessation. N Engl J Med. 2014;371:2353-62.
Feb 25, 2015. Ebbert JOD, et. al. Effect of varenicline on smoking cessation through smoking reduction. JAMA. 2015;313:687-94.
March 25, 2015 Murphy GJ, et al. Liberal or restrictive transfusion after cardiac surgery. N Engl J Med. 2015;372:997-1008.
April 22, 2015 Postma DF, et.al. Antibiotic treatment strategies for community-acquired pneumonia in adults. N Engl J. Med. 2015;372:1312-23.
May 27, 2015 Mismetti P, et.al. Effect of a retrievable inferior vena cava filter plus anticoagulation vs anticoagulation alone on risk of recurrent pulmonary embolism. JAMA 2015;313:1627.
June 24, 2015. Cannon C, et al. Ezetimibe added to statin therapy after coronary syndromes NEJM 2015;372:2387-97.
Oct 28, 2015 Donny E, et. Al. Randomized trial of reduced-nicotine standards for cigarettes N Eng J Med. 2015;373:2350-9.
November 25, 2015 Randomized trial of intensive versus standard blood pressure control. NEJM 2015;373:2103
December 23, 2015 Perioperative bridging anticoagulation in patients with atrial fibrillation. NEJM 2015;373:823-33.

2016

January 27, 2016. Asymptomatic bacteriuria treatment is associated with a higher prevalence of antibiotic resistant strains in women with urinary tract infections. CID. 2015;61:1655-61.
February 23, 2016. Baker TB, et al. Effects of nicotine patch vs varenicline vs combination nicotine replacement therapy on smoking cessation at 26 weeks. JAMA 2016;315:371-79.
March 23, 2016 Talan D et al. Trimethoprim-sulfamethoxazole vs placebo for uncomplicated skin abscess. NEJM. 2016;374:823-32.
April 25, 2016. Kernan WN, et. al. Pioglitazone after ischemic stroke or transient ischemic attack. NEJM 2016;374:1321-31.
May 25, 2016 Gaudry S, et.al. Initiation strategies for renal-replacement therapy in the intensive care unit. NEJM. 2016;374:1-12.
June 22, 2016 Yusuf Cholesterol lowering in intermediate risk pts without cardiovascular disease (3 articles) NEJM 2016;374:2021
Sept 27, 2016 Kober I et.al. ICD implantation in pts with nonischemic systolic heart failure. NEJM 2016;375:
Oct 26, 2016 Prandon P et. al. Prevalence of pulmonary embolism among patients with syncope. NEJM 2016;375:1524-31.
Nov 2016 LOTT group. Randomized trial of long-term oxygen for COPD with moderate desaturation. NEJM 2016;375:1617-27.
Dec 2016 DTsugawa Y, et.al. Comparison of hospital mortality and readmission rates for medicare patients treated by male vs female physicians. JAMA doi:10.1001/jamainternalmedicine.2016.7875.

2017

Jan 2017 Gibson CM, et al. Prevention of bleeding in pts with atrial fibrillation undergoing PCI. NEJM 2016;375:2423-34.
Feb 2017 Wilcox MH, et.al. Bezlotoxumab for prevention of recurrent *Clostridium difficile* infection. NEJM 2017;376:305-17.
March 22, 2017 Ataga KI et al. Crizanlizumab for the prevention of pain crises in sickle cell disease. NEJM 2017;376:429.
April 25, 2017 Weitz JI, et al. Rivaroxaban or aspirin for the extended treatment of venous thromboembolism. NEJM 2017;376:1211-22.
May 24, 2017 Evolocumab and clinical outcomes in patients with cardiovascular disease. NEJM 2017;376:1713-22.
June 28, 2017 Moran GJ, et.al. Effect of cephalexin plus trimethoprim-sulfamethoxazole vs cephalexin alone on clinical cure of uncomplicated cellulitis. JAMA 2017;317:2088-96.
Sept 27, 2017 Rivaroxaban with or without aspirin in stable cardiovascular disease. NEJM 2017;377:1.(early online)
Oct 2017 – Romosozumab or alendronate for fracture prevention in women for osteoporosis NEJM 2017;377:1417
Nov 22, 2017 Percutaneous coronary intervention in stable angina. Lancet 2017.
[http://dx.doi.org/10.1016/S0140-6736\(17\)32714-9](http://dx.doi.org/10.1016/S0140-6736(17)32714-9)
Dec 27, 2017. Morch LS, et al. Hormonal contraception and the risk of breast cancer. NEJM 2017;377:2228-39.

2018

Jan 24, 2018 Raskob GE, et. al. Edoxaban for treatment of cancer-associated venous thromboembolism. NEJM 2018;378:1
Weisbord SD et. al. Outcomes after angiography with sodium bicarbonate and acetylcysteine (PRESERVE) NEJM 2018;378:603-14.
Annane D et.al. Hydrocortisone plus fludrocortisone for adults with septic shock. NEJM 2018;378:809
Semler MW et al. Balanced crystalloids vs saline in critically ill patients. NEJM 2018;378:829
2/28/18 Weisbord SD, et.al.outcomes after angiography with sodium bicarbonate and acetylcysteine. NEJM 2018;378:603-14.

3/28/2018 Annane D et al. Hydrocortisone plus fludrocortisone for adults with septic shock. NEJM 2018;378:809
4/25/18 Semler MW et al. Balanced crystalloids vs saline in critically ill patients. NEJM 2018;378:829
5/23/18 Johnson SC, et al. Clopidogrel and ASA in acute ischemic stroke and high-risk TIA. NEJM 2018; DOI:
10.1056/NEJMoa1800410
6/27/18 Halpern SD, et al. A pragmatic trial of e-cigarettes, incentives, and drugs for smoking cessation. NEJM 2018;378:2302.
9/26/18 Effect of aspirin on cardiovascular events and bleeding in the healthy elderly NEJM 2018
Reid IR, et al. Fracture prevention with zoledronate in older women with osteopenia. NEJM 2018; DOI:
10.1056/NEJMoa1808082
Krag M. et al. Pantoprazole in patients at risk for gastrointestinal bleeding in the ICU. NEJM 2018; Oct 24th early on line.
Manson JE, et al. Vitamin D supplements and prevention of cancer and cardiovascular disease. NEJM 2018; doi:
10.1056/NEJMoa1809944

2019

Schwartz GG, et al. Alirocumab and cardiovascular outcomes after acute coronary syndrome. NEJM 2018
early online doi: 10.1056/NEJMoa1801174
Hajek P et al. Randomized trial of e-cigarettes vs nicotine replacement therapy. NEJM 2019;380:629-37.
Carrier M, et al. Apixiban to prevent venous thromboembolism in patients with cancer. NEJM 2019;380:711-
9.
Arabi YM, et al. Adjunctive intermittent pneumatic compression for venous thromboprophylaxis. NEJM
2019;380:1305-15.
Perkovic V, et al. Canagliflozin and renal outcomes in Type 2 diabetes and nephropathy. NEJM 2019;380:

*jclub

TALKS TO PUBLIC GROUPS

Drug Abuse (Olathe Community Schools for Teachers, teachers-aides, nurses) 1984.

Drugs and the Elderly, to geriatric lay group from church, sponsored by St. Mary's Hospital,
Spring, 1986.

Drug therapy of MS, to Greater KC MS Society, Spring 1986

Drug Abuse to counselors at Ozanam School for Boys, Spring, 1985.

MENTORING

6-18-19 met with Rishabh Gupta, MS5, to discuss an ophthalmology paper he was
working on with an ophthalmology resident, with regard to the power of the study.

6-17-19 – met with Merrill Thomas, PGY3, for an EBM elective.

6-17 discussed the September 24, 2014 McMurray JJV, et. al. Angiotensin-
neprilysin inhibition versus enalapril in heart failure. N Engl J Med.
2014;371:993- 1004.

6-20-19 – discussed the December 23, 2015 Perioperative bridging
anticoagulation in patients with atrial fibrillation. NEJM 2015;373:823-33.

EBM elective for Kris Jones, DO med-peds PGY 3, and Claire Smith, MD PGY 2 Week of 6-10-19

6-10-19 Balanced crystalloids vs saline in critically ill patients from 2018 by Semler et al. 2 hours

6-12-19 :3/28/2018 Annane D et.al. Hydrocortisone plus fludrocortisone for adults with septic shock. NEJM 2018;378:80

Mentored Karen Figenshau, MS 6, on a case report about skin tags in a burn scar. 2 hrs, 6-4/19

Mentored Anna Curtis, MS5 for 2 hours on a case report in ID from the ID rotation at SL's on 6/3/19.

Mentored Connor King MS 6 on an abstract for a GI meeting on a pancreatic cancer case 2 hrs.on 6/3/19

Mentored Nasim Ahmediyeh, MD (breast surgeon) on her paper about screening for breast cancer at TMC – 2 hours. 5-28-19

Mentored about 14 medical students for the Health Sciences Summit in April 2019

1. Kevin Varhgese
2. Debolina Kanjilal
3. Sarah Pourakbar
4. Anusha Kodidhi
5. Danielle Terrill
6. Shannon Demehri
7. Xi Wang
8. Morgan Dresvyannikov

For presentation suggestions and mentoring, as well as poster reviews and editing for several others

Mentored Sharon Sabapathypillai and Imran Nizamuddin on an AOA leadership grant seeking to help underprivileged KC students acquire eye exams and glasses. Nov 2018 10 hours

Mentored Anhat Kaur, PGY 2, on an EBM elective Feb 11-15, 2019

Discussed:

Feb 11 April 25, 2017 Weitz JI, et al. Rivaroxaban or aspirin for the extended treatment of venous thromboembolism. NEJM 2017;376:1211-22.

Feb 13 6/27/18 Halpern SD, et al. A pragmatic trial of e-cigarettes, incentives, and drugs for smoking cessation. NEJM 2018;378:2302.

Feb 14 Nov 22, 2017 Percutaneous coronary intervention in stable angina. Lancet 2017. [http://dx.doi.org/10.1016?SO140-6736\(17\)32714-9](http://dx.doi.org/10.1016?SO140-6736(17)32714-9)

Mentored Matt Decker MS VI on an EBM elective –

1/8/19 - Dec 28, 2012 Reduced lung cancer mortality with low-dose computed tomographic screening. New Engl J Med. 2011;365:395-409.

1/10/19, reviewed > 9/26/18 Effect of aspirin on cardiovascular events and bleeding in the healthy elderly NEJM 2018

1/17/19 Halpern SD, et al. A pragmatic trial of e-cigarettes, incentives, and drugs for smoking cessation. NEJM 2018;378:2302.

1/23/19 2016 DTsugawa Y, et.al. Comparison of hospital mortality and readmission rates for medicare patients treated by male vs female physicians. JAMA doi:10.1001/jamainternalmedicine.2016.7875.

1/29/19 Manson JE, et al. Vitamin D supplements and prevention of cancer and cardiovascular disease. NEJM 2018: doi:10.1056/NEJMoa1809944

1/31/19 Postma DF, et.al. Antibiotic treatment strategies for community-acquired pneumonia in adults. N Engl J. Med. 2015;372:1312-23.

EBM elective for 2 weeks with Grant Parker, Med/Peds PGY 1 (March 20-29, 2018)

Randomized trial of intensive versus standard blood pressure control. NEJM 2015;373:2103

Postma DF, et.al. Antibiotic treatment strategies for community-acquired pneumonia in adults. N Engl J.

Med. 2015;372:1312-23.

Changes in medical errors after implementation of a handoff program. N Engl J Med. 2014 371:1803-12.
Reduced lung cancer mortality with low-dose computed tomographic screening. N Engl J Med. 2011;365:395-409.

EBM elective EBM elective in Sept 2018 for Waled Bahaj (PGY 2), Noel Torres Acosta (PGY 3).

Mentored Sahaja Atluri MS 3 on a poster she was working on for a poster for the international medicine poster competition Feb 8, 2018 (3 hours)

Mentored 25 student posters (helped with construct of poster) spring of 2017 for the health science summit.

Have mentored 12-20 internal medicine residents per year for the past 7 years for the Missouri-American College of Physicians poster competition, and 5-10 students per year for the same competition.

Have mentored 10-20 medical students for the medical school research day for the past 2 years, and fewer each year for the past 20 years.

Have mentored all categorical medicine residents for the past 10 years on their required research project for the IM residency program (15 per year).

Have mentored many students in their preparation of CVs and applications for AOA consideration (10-20 per year) for past 7 years.

Have mentored a number of faculty with regard to their promotion portfolios.

2012 – mentored 10 resident and 4 student posters for the Missouri ACP poster competition – of these medical students Tosan Oyowe, Ashley Deboeuf, and Adam Fleddermann won 3rd, 1st, and second prizes respectively, and IM residents Aref Bin Abdulkhak and Shariq Shamin won second prize in research, and 1st prize in clinical vignettes respectively.

2013 – mentored 5 student and 15 resident posters for MO-ACP

Mentored many residents for their required research presentations for IM residency

Mentored Loreley Robie on her AOA grant for Packs of hope, submitted Jan 321, 2014 to AOA.

Mentored Felicia Ratnaraj on her AOA grant Second Servings (won the grant, and have successfully run the project for several years.

Mentored Robert Goodson MS VI with a case report on syphilis 2-2014

Mentored Sakher Albadarin on his required resident research project on paracentesis in patients with ascites 2-2014

Mentored Quandeel Soomro and Komal Piryani on their smoking cessation patient survey for their required resident research project

Mentored Navina Mehta on her required resident research project on resident personal safety

2015 – mentored Ali Hasnie on a case report on ophthalmoplegia

March, 2017 – performed logistic regression for Sai Vanam's QI poster looking for predictors of malnutrition. He is a medical student and the work is a QI project.

Scientific adviser for poster preparation these medical students for posters they will present at the UMKC health science summit in April, 2014

Amit Nanda

Andrew Thome

Apurva Bhatt

Ashley Fletcher

Brandon Carney

Caroline Doo, Sahar Safavi

Furqaan Sadiq

Jacob Voelkel

Janessa Pennington

Jasmine Singh
Jeet Mehta
Keliang Xiao, Keliang Xiao (2 posters)
Laalasa Varanasi
McKenzie Lutz
Niharika Rath
Nishika Muddasani
Shreya Lankala
Susamita Kesh
Vidhi Shah
Vritti Gupta
Jacob Voelkel

Poster mentoring for 2015 for the UMKC health science summit:

Ayesha Murtuza
Dilreet Rai
Isadora Tarantino
Navya Reddy
Sunu Abraham
Amina Quayam
Megan Litzau (2 posters)
Amneet Hans
Kaitlin Vogt
Jonah Graves
Kavelin Rumalla
Rohit Saha
Kayla Briggs
Gautan Anand
Vijit Chouhan (2 posters)

Mentored 14 IM residents on 19 posters for MO-ACP in 2015

Mentored cardiology fellow Dany Jacob, MD, with the project titled Is There Variability in Management of Non-ST Elevation Myocardial Infarction Between Interventional and General Cardiologists? Presented in 2016 in Chicago at the American College of Cardiology.

Mentored resident Audrey Bearden, MD, with her project regarding the use of mycophenolate to treat scleroderma lung disease, & also, with posters about hand cleaner intoxication in a hospitalized patient and mango-induced angioedema. Lung disease poster presented at the American College of Rheumatology Annual meeting in Boston, 2014. Title: Treatment of scleroderma associated lung disease with mycophenolate mofetil: a community-based study. Link to abstract:

http://www.acrannualmeeting.org/wp-content/uploads/2014/10/2014-ACR_ARHP-Annual-Meeting-Abstract-Supplement.pdf

Mentored residents Sood Kisra, and Sai Narsingham with their project regarding resident communications with patients about post-discharge lab reports.

Mentored the following IM residents for the 2014 MO-ACP Lake of the Ozarks poster competition: Sai Narsingham, Audrey Bearden, Hassan Salameh, Ata Bajwa, Udit Bhatnagar, Sood Kisra

Mentored Dean Merrill and Jasmine Singh on their paper regarding vitamin D levels and carotid intima media thickness. (10/1/14 – 2 hrs)

Mentored Mazen Shobassy on his research proposal on association of presence of appendix or not and risk and severity of c. diff infection (1 hr 9-25-14)

Mentored Raj Shah of various research ideas (1 hour 9-25-14), and 1 hour 2/23/15

Mentored IM resident PGY 1 Rakesh Ponnareddy on research 2 /19/15 (1 hour)

Mentored Simran Arora PGY1 on power analysis for a GI study 2/23/15 (45 min)

Mentored Rhea Barghava PGY 2 on her case report 45 min 3-25-15

Mentored Blake Montgomery on his CV March 2015

Mentored Loreley Robie on her CV 1 hour 4-8-15

Mentored Arooge Towheed, PGY 1 on research 1 hour 4-18-15

Mentored Arooge Towheed 2 hrs on a case report and poster 4/1/15

Mentored Dany Jacob on his resident research project at 3 meetings April, 2015

Mentored Jacquie Kitchen, MD med/peds year 4, new chief resident on iPASS handoff method 5/19/15 2 hrs

Mentored Salman Khan, MD PGY 1, 5/27/15 1.5 hrs on case report submission

Mentored Apurva Bhatt MS V, on paper to be submitted 1.5 hrs May 18, 2015

Mentored Amneet Han MS V on her case report 6-25-15 (Septic shock secondary to a urinary tract infection with *Pedococcus pantasaceus*) – 1 hr

Mentored Aditiya Gutta (PGY 2) on a case report 6-25-15

Mentored Mouhanna Abu Ghanimeh (PGY 1) on research ideas 6-24-15 – 1 hour

Mentored Hisham Elsherbiny on research project (renal test's ability to predict imminent AKI) 1-7-16 – one hour

Mentored Omar Karadaghy (MS 5) on a research proposal to be undertaken in a one year offsite research project (30 min)

Mentored Comron Hassanzedah (MS 5) on his Carolyn Kuckein AOA research proposal for a \$5000 research grant (1 hour)

Mentored Grant Randall (MS 5) on a research project (1 13/16) 1 hr

Mentored Nkiru Osude (MS5) on a case report 1 hour (1/14/16)

EBM elective for Matt Lindquist (PGY 3, med-peds) Jan-Feb 2016

Discussed

Reduced lung cancer mortality with low-dose computed tomographic screening. N Engl J Med. 2011;365:395-409. (1/19/16)

Randomized trial of intensive versus standard blood pressure control. NEJM 2015;373:2103 (1/20/16)

Miller AB, et. al. Twenty five year follow-up for breast cancer incidence and mortality of the Canadian National Breast Screening Study: randomized screening trial. BMJ 2014;348:1-10 (on line)

April 22, 2015 Postma DF, et.al. Antibiotic treatment strategies for community-acquired pneumonia in adults. N Engl J. Med. 2015;372:1312-23.

Walker N, et.al. Cytisine vs nicotine for smoking cessation. N Engl J Med. 2014;371:2353-62.

EBM elective for Trey Sifers, MD, IM PGY 4 September 2015

Reviewed:

Gut microbiome contributes to a substantial proportion of the variation in blood lipids DOI
10.1161/circresaha.115.306807 1
Once-weekly dalvabancin vs daily conventional therapy for skin infection (NEJM)
Miller AB et al twenty-five year follow-up for breast cancer incidence and mortality of the Canadian National Breast Screening Study randomized screening trial. BMJ 2014;348:1-10 (on line)

EBM elective for Shubra Srinivas, MD Med/peds PGY 4 week of 10/30/2016.

Reviewed Trimethoprim-sulfamethoxazole vs placebo for uncomplicated skin abscess. NEJM. 2016;374:823-32.
Baker TB, et al. Effects of nicotine patch vs varenicline vs combination nicotine replacement therapy on smoking cessation at 26 weeks. JAMA 2016;315:371-79

EBM elective for Jeremy Availa, MD, MedPeds PGY IV, Reviewed:

Jan 11, 2017, Cholesterol lowering in intermediate risk pts without cardiovascular disease. NEJM 2016;374:2021.
Jan 12, 2017 Perioperative bridging anticoagulation in pts with atrial fibrillation NEJM 2015;373:823-33.
Jan 18, 2017 Oral rivaroxaban for symptomatic venous thromboembolism. NEJM 2011;363:249-510.

EBM elective for Amanda Sommerville, MD med/peds PGY 4

2/7/17 Comparison of hospital mortality and readmission rates for medicare patients treated by male vs female physicians JAMA doi:10.1001/jamainternalmedicine.2016.7875.
2/8/17 Asymptomatic bacteriuria treatment is associated with a higher prevalence of antibiotic resistant strains in women with urinary tract infections. CID. 2015;61:1655-61.
2/14/17 Talan D et al. Trimethoprim-sulfamethoxazole vs placebo for uncomplicated skin abscess. NEJM. 2016;374:823-32.
2/17/17 Prandon P et al. Prevalence of pulmonary embolism among patients with syncope. NEJM 2016;375:1524-31.

EBM elective for Aunya Cameron, PGY yr 3 med/peds resident.

3/21/17 Low-dose aspirin for preventing recurrent venous thromboembolism. N Engl J Med. 2012;367:1979
3/23/17 Oral rivaroxaban for symptomatic venous thromboembolism. NEJM 2011;363:249.
Diuretic strategies in patients with acute decompensated heart failure. NEJM 2011;364:797

EBM elective for Sola Kim PGY 3 –

6-13-17 EBM elective Indomethacin to prevent post ERCP pancreatitis NEJM

6-15-17 Varenicline Ebbert paper

6/15/2017 Sept 25, 2013 Apixaban for treatment of acute venous thrombosis. N Engl J Med. 2013;369:799-808.

6/16/2017 Diuretic strategies in CHF the DOSE trial NEJM

EBM elective for Madhuri Ramakrishnan (PGY 3) July, 2017

7/17/17 – SPRINT trial NEJM

7/19/17 – ACCORD trial for BP goals NEJM

7/24/17 – Initiation strategies for renal replacement therapy in the ICU NEJM 2016

7/26 ELAINE trial early or later dialysis in the ICU JAMA 2016

7/27/17 – MAP in the ICU NEJM 2014

Mentored Lina Y'aqoub (PG3) on a meta-analysis 2/12/18.

Mentored Rehman Ukani (PGY3) in my EBM elective – articles discussed were:

Orbita. Sham PCI for stable angina. Lancet 2017

Bezlotoxumab for prevention of recurrent *Clostridium difficile* infection

Dalbavancin vs conventional therapy Boucher HW, et. al. NEJM 2014;370:2169

Trim/sulfa and placebo vs cephalexin and trim/sulfa for cellulitis JAMA
2017;317:2088

Mentored Niraj Madhani (MS 5) on a poster about strep endocarditis and procalcitonin as a diagnostic test (2/14/17)

Elective for Alan Tran, DO PGY 1 week of 3/25/19

Gibson CM, et al. Prevention of bleeding in patients with atrial fibrillation undergoing PCI. NEJM 2016;375:2423-34.

Johnston sC et al. Clopidogrel and aspirin in acute ischemic stroke and high risk TIA. NEJM 2018; May 16, 2018 early on line.

Mentored John Pham, MD PGY 3 on a two week EBM elective in August 2018.

We reviewed: 2015 Perioperative bridging anticoagulation in patients with atrial fibrillation. NEJM 2015;373:823-33.

Balanced Crystalloids versus Saline in Critically Ill Adults NEJM 2018

Antibiotic strategies in hospitalized adults NEJM 2015

Changes in medical errors after implementation of a handoff program. N Engl J Med. 2014 371:1803-12.

Mentored Thomas Odeny, MD, PhD, Aug 2018, on a paper regarding screening for cancer in smokers at TMC.

Protocol ID: 18-378

Principal Investigator: Dr. Foxworth

Protocol Title: THE VALIDITY OF SMOKING HISTORY DOCUMENTATION IN THE ELECTRONIC MEDICAL RECORD AT TRUMAN MEDICAL CENTER

Department: School of Medicine

Submission include: Protocol_Veracity of Smoking History Documentation 3.0, De-identified Data Collection

Sheet_18-378, TMC Research Application_18-378, 18-378_waiver-or-alteration-of-authorization-web, subpart-b_18-378

EBM elective for Robin Imperial, MD PGY 3– 11/29/18 Nov 2018

Effect of aspirin on cardiovascular events and bleeding in the healthy elderly NEJM 2018

Annane D et.al. Hydrocortisone plus fludrocortisone for adults with septic shock. NEJM 2018;378:809

EBM elective for Marjan Nazer, MD (PGY3) and Clayton Mowrer, DO (PGY4)

4-16-19 – Annane D. Hydrocortisone plus fludrocortisone for adults with septic shock. NEJM 2018;378:809

4-18-19 Once-weekly dalbavancin vs daily conventional therapy for skin infections. NEJM 2014;370:2169.

Readings month for Amanda Loganbill Fischer, MS 6, May, 2014

Met twice weekly to discuss articles of her choosing from my list of journal club articles. This involved article critical dissection regarding research question, statistical analysis, methodology, power analysis, strengths and weaknesses, creation of a single-sheet review, calculation of NNTs and confidence intervals, etc.

Articles reviewed included:

Transfusion strategies for acute upper GI bleeding NEJM 2013;368:11-21.

Randomized trial of indomethacin to prevent post-ERCP pancreatitis NEJM 2013;366:1414-22.

Low-molecular weight heparin and mortality in acutely ill medical patients. NEJM. 2011;365:2463-72.

Hydrocortisone therapy for septic shock. NEJM. 2008;358:111-24.

Vasopressin versus norepinephrine therapy infusion in pts with septic shock. NEJM 2013;358:877-87.

Comparison of fixed-dose weight-adjusted unfractionated heparin and low-molecular weight heparin for acute tx of venous thromboembolism. JAMA 2006;296:935-42.

Daily interruption of sedative infusions in critically ill pts undergoing mechanical ventilation. NEJM. 2000;342:1471-7.

Neostigmine for the treatment of acute colonic pseudo-obstruction. NEJM 1999;341:137-41.

Albumin replacement in pts with severe sepsis or septic shock. NEJM 2014;370:1412-21.

High vs low blood pressure target in septic shock. NEJM 2014;370:1583-93.

OTHER

Reviewer, Chest; 1989.

Reviewer, Archives of Internal Medicine; 1989

Reviewer, Annals of Pharmacotherapy; 1990

Reviewer, Chest 1992, 1993

*Reviewer, Journal of General Internal Medicine, 2003

Reviewer of a new Biostatistics Book proposal and sample chapter for Lippincott, Williams, & Wilkins - January 2004.

Reviewer, Southern Medical Journal, 2005, 2006, 2007, 2009, 2011, 2012 (2 articles), 2013, 2014, 2016 (**Scorpion Envenomation in Pregnancy**).

Reviewer of abstracts, American Society for Clinical Pharmacology and Therapeutics, 2005

Reviewer, Open Journal of Clinical Toxicology June, 2016 for paper titled "IMPACT OF TRAINING AND PRACTICE SETTING ON THE PHYSICIAN'S OPINION REGARDING THE TREATMENT OF CALCIUM CHANNEL BLOCKER POISONING: A SURVEY OF EMERGENCY PHYSICIANS".

Reviewer, The Journal of Maternal-Fetal & Neonatal Medicine. Transplacental passage of vancomycin. Feb 1, 2017

Reviewer, Evaluation of mechanisms promoting antibiotic resistance, transference, and prevalence of *Klebsiella Pneumoniae* infections. Proposal for the Carolyn L. Kuckein Student Research Fellowship. March 27, 2017.

Judge, Greater Kansas City Science and Engineering Fair, 1991 through 1995

Judge, Student Research Day, UMKC Medical School, 1990 through 2001

Judge, Student Research Day, UMKC medical school, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013

Co-investigator Cefpirome vs. ceftriaxone in treatment of community-acquired pneumonia. (Phase III trial - begun 12-88 completed spring, 1990) A multicenter, observer-blind, randomized study of the safety, efficacy and tolerance of Cefpirome (HR 810) versus Ceftriaxone in the treatment of patients with community acquired pneumonia, Hoechst-Roussel Pharmaceuticals, Co-investigator (\$40,000)

Reviewer of research grant applications to the Sarah Morrison grant funds at UMKC SOM for 10 years (involves judging grant applications for 6-10 students twice annually).

Judged 6, spring 2014. Judged 5, Fall 2015, 6 2016, 4, spring 2017, 6 fall, 2017, 4 April 2018

Poster: Nutrition risk index: identifying malnourishment and its associated risk factors. Basra R, Vanam, S, Dominic A, Zamir H, **Foxworth J**, Dall, L. presented at Quality Improvement and Patient Safety Day, UMKC SOM, May 12, 2017.

Reviewer for AOA's Caroline L. Kuckein Student Award, April, 2017.

Reviewer for AOA Carolyn Kuckein grant: Harun Sugito, "Selection of camelid single-domain antibody fragments against Merozoite Surface Protein 1(MSP-1) as potential inhibitors of erythrocyte infection by *P. falciparum*."

PUBLICATIONS

Letters

Foxworth J. Academic uses for the Pharos. Pharos. 2009; Autumn issue: 43.

Salkind A, Cuddy PG, **Foxworth J.** How predictive is a history of penicillin allergy? JAMA 2001;286:1174-5. Letter comments to our article cited below and our response.

Foxworth JW. Hemodynamic actions of furosemide. Am Heart J. 1985;199:1408-9. (Letter)

Posters, abstracts, presentations, news items

Thomas Odeny, MD; Noel Torres-Acosta; MD; Aref Qureini, MD; Claire Smith, MD; Denesh Ratnasingam, MD; Ravali Gummi, MD; Diala Alawneh, MD; Julie Banderas, PharmD; David Wooldridge, MD; **John Foxworth, PharmD**

Improving documentation of meaningful smoking history at Medical Center: a quality improvement project
One of 4 podium presentations presented at UMKC quality & patient safety day May, 2019, SOM.

Gondi KT, Luke AJ, **Foxworth J**. Online presence of academic internal medicine residency programs: a comprehensive analysis. Poster to be presented at the UMKC health science summit April 17, 2019.

Also presented at UMKC-SOM Quality and patient safety day May 10, 2019

Perception of hospital staff on transplant: pre and post intervention. Wise J, Sarvestani A, Briggs K, Malik J, Ott M, Markham L, Williams H, Neal D, Richart C, **Foxworth J**, Moncure M. Poster presented May10, 2019, at UMKC-SOM Quality improvement and Patient Safety Day.

Sharma R, **Foxworth J**, Moormeier J Three-Dimensional Echocardiography as an Alternative to Cardiac Computed Tomography for Aortic Annular sizing: Systematic Review and Meta-Analysis: accepted for presentation at American Society of Echocardiography annual meeting June, 2018 Nashville.

Reducing 30-day readmission rates of COPD exacerbation Laith Derbas, Talal Asif, Rehman Ukani, Ahmed Elkaryoni, Zara Wadood, Lauren Mishler, Jeane Johnson, **John Foxworth**, David Wooldridge, Kristin Gillenwater Poster for MO-ACP poster competition Lake Tan Tar A, Lake of the Ozarks, Sept 15, 2018

Cardiac pacemaker-induced superior vena cava syndrome Yousaf Zafar, Zafar Ali, Laith Derbas, Waled Bahaj, Ahmed Elkaryoni, Eslam Dosokey, Anas Noman, Anahat Kaur, Omar AbuGhanimeh, **John Foxworth** Poster for MO-ACP poster competition Lake Tan Tar A, Lake of the Ozarks, Sept 15, 2018

Qureni A, **Foxworth J**, Aneurysm makes patient's abdomen shudder. Poster for MO-ACP poster competition Lake Tan Tar A, Lake of the Ozarks, Sept 16, 2017

Warsame M, **Foxworth J**, Lamotrigine-induced DRESS syndrome with multi-organ involvement. Poster for MO-ACP poster competition Lake Tan Tar A, Lake of the Ozarks, Sept 16, 2017

Asad H **Foxworth J**. Role of CA 19-9 in the diagnosis of cholangiocarcinoma in the setting of non-diagnostic imaging. Poster for MO-ACP poster competition Lake Tan Tar A, Lake of the

Ozarks, Sept 16, 2017

Raveena Basra, BLA, Harris Zamir, BLA, **John Foxworth, Pharm D.** Hyponatremic crisis: a story of ROHHAD syndrome. Poster for MO-ACP poster competition Lake Tan Tar A, Lake of the Ozarks, Sept 16, 2017

Basra R, Vanam S, Dominic A, Zamir H, **Foxworth J**, Dall, L. A Nutrition Risk Index: Identifying Malnourishment and its Associated Risk Factors. Poster for MO-ACP poster competition Lake Tan Tar A, Lake of the Ozarks, Sept 16, 2017

Improving compliance of guideline-recommended screening measures of health maintenance in TMC-HH clinics: a QI project. Blake S, Ghanem, Y, Harrell A, Bhargava R, Cope R, Alqalyoobi, Kusra S, Bajwa A, **Foxworth J**, Pirani N, Wooldridge D, Mustafa R. Poster for MO-ACP poster competition Lake Tan Tar A, Lake of the Ozarks, Sept 19, 2015

Native valve infective endocarditis caused by Staphylococcal Warneri. Bhardwaj B, **Foxworth J**, Bhatnagar U, Conaway D, Poster for MO-ACP poster competition Lake Tan Tar A, Lake of the Ozarks, Sept 19, 2015

A quality improvement project to improve IVC filter retrieval: Saint Luke's Hospital Experience Omer M, Davis C, **Foxworth J**, Wooldridge D, Wible B. Poster for MO-ACP poster competition Lake Tan Tar A, Lake of the Ozarks, Sept 19, 2015

Don't start radiotherapy: it's not a cancer Abu Ghanimeh M, Hanin J, Jones A, **Foxworth J**, Pirani N. Poster for MO-ACP poster competition Lake Tan Tar A, Lake of the Ozarks, Sept 19, 2015

Atypical hemolytic uremic syndrome: When environment and mutations hit your organ system. Abu Ghanimeh M, **Foxworth J**, Moormeier J Poster for MO-ACP poster competition Lake Tan Tar A, Lake of the Ozarks, Sept 19, 2015

Successful pulmonary vein stenting in fibrosing mediastinitis: an unusual case of hemoptysis. Pamulapati H, Bhatnager U, Janga P, **Foxworth J**, Moormeier J. Poster for MO-ACP poster competition Lake Tan Tar A, Lake of the Ozarks, Sept 19, 2015

Broken heart syndrome secondary to adrenal insufficiency. Pamulapati H, Bhatnagar U, bin Abdulhak A, **Foxworth J**, Moormeier J. Poster for MO-ACP poster competition Lake Tan Tar A, Lake of the Ozarks, Sept 19, 2015

Cardiac amyloidosis: an elusive masquerading cardiomyopathy. Bhatnagar U, Sharma A, **Foxworth J**, Moormeier J. Poster for MO-ACP poster competition Lake Tan Tar A, Lake of the Ozarks, Sept 19, 2015

Evaluation of the reporting process of the lab pending at discharge in an academic hospital. Narsingam, S, Kusra S, Patel S, Brahmhatt M, George A, Gupta V, **Foxworth J**. Poster for MO-ACP poster competition Lake Tan Tar A, Lake of the Ozarks, Sept 19, 2015

Eating smart: education in a safety net hospital population. Shah R, Ratnaraj F, Gutta A, Matthews N, **Foxworth J**. Poster for MO-ACP poster competition Lake Tan Tar A, Lake of the Ozarks, Sept 19, 2015

Diabetes treatment goals in the elderly: are we too aggressive? Lessons from a case report. Towheed A, Bhatnagar U, bin Abdulhak A, **Foxworth, J**. poster presentation for Quality and patient safety day program May 15, 2015.

Evaluation of the reporting process of the tests pending at discharge in an academic hospital. Kisra S, Narsingam S, Patel S, Brahmbhatt M, George A, Gupta V, **Foxworth J**. poster presentation for Quality and patient safety day program May 15, 2015.

Mollaret's meningitis: a diagnosis with which every physician should be familiar. Towheed A, Llah, S, Khan S, Bhardwaj B, **Foxworth J**. poster presentation for Quality and patient safety day program May 15, 2015.

Improving compliance of guideline recommended screening measures of health maintenance in clinics of TMC-HH: A QI project. Presented at QIPS day at UMKC SOM. Blake S, Bearden A, Ghanem Y, Harrell A, Bhargava R, Bhardwaj B, Cope R, Alqalyoobi S, Kisra S, Bajwa A, **Foxworth J**, Pirani N, Wooldridge D, Mustafa R. Presented at QIPS days at UMKC SOM May 15, 2015

Eating smart - poster presented at QIPS days at UMKC SOM – Shah R, Ratnaraj F, Gutta A, Matthew N, **Foxworth J**. May, 2015

Crisis Averted in Acute Anuric Papillary Necrosis. Rhea Bhargava, Jim Mertz, Ahmed M Awad, Barry Wood, Ryan Lustig, **John Foxworth**, Omkar Vaidya. University of Missouri, Kansas City, Missouri, USA. . Missouri-American College of Physicians poster sessions, Tan Tar A, Lake of the Ozarks, Sept 13, 2014

Where Medicine and Urology Meet: Testicular Infarct as The Sole Manifestation of Polyarteritis Nodosa
Aref Bin Abdulhak , MD; Randal Michelson, DO; Hassan Salameh , MD; Amr Edrees , MD; David Hermanns, MD, MPH; **John Foxworth, PharmD**. University of Missouri-Kansas City, Kansas City, MO
Missouri-American College of Physicians poster sessions, Tan Tar A, Lake of the Ozarks, Sept 13, 2014

What “Lead” to this? Lead Toxicity, A Multiorgan Involvement
Kisra S MD, Jacob D MD, Elhalawany H MD, Farid T MD, Mustafa Y MD, Wali M MD, **Foxworth J PharmD**, Tilson-Mallet N MD. Missouri-American College of Physicians poster sessions, Tan Tar A, Lake of the Ozarks, Sept 13, 2014

Airway Obstruction as the Sole Manifestation of Achalasia in a Pregnant Lady
Hassan Salameh MD, Aref Bin Abdulhak MD, Ashraf Gohar MD, **John Foxworth PharmD**

Mohannad Abu Omar, MD. Ali Shwaiki, MD. Aref Bin AbdulHak, MD. Neal Akhave, MSVI. **John Foxworth, PharmD**. Amyloidosis: A rare disease with atypical presentation. Missouri-American College of Physicians poster sessions, Tan Tar A, Lake of the Ozarks, Sept 28, 2013.

Polymicrobial Diarrhea in a Patient with Lupus. Seher Anjum M.D., Admatha H. Muthyala M.D, Aaref Bin Abdul Hak M.D., **John Foxworth, PharmD**. Missouri-American College of Physicians poster sessions, Tan Tar A, Lake of the Ozarks, Sept 28, 2013

Familial atypical hemolytic uremic syndrome in adult kidney transplant patient successfully treated with eculizumab: a case report. Aref bin Abdulhak, Mohannad Abu Omar, Abdurraheem Qasem, **John Foxworth, PharmD**. Missouri-American College of Physicians poster sessions, Tan Tar A, Lake of the Ozarks, Sept 28, 2013 (won first prize in clinical vignette division)

On a lymphoma long-forgotten. Ahmed Elkhanany, MD, Belal Tarakji, MD, Jill Moormeier, MD MPH, **John Foxworth PharmD**. Missouri-American College of Physicians poster sessions, Tan Tar A, Lake of the Ozarks, Sept 28, 2013

11 CT Scans in 11 Months for a Troubled Patient - A Novel Case of Abdominal Pain. Mir Fahad Faisal M.D., **John Foxworth, PharmD**, Esmat Sadeddin, M.D. Missouri-American College of Physicians poster sessions, Tan Tar A, Lake of the Ozarks, Sept 28, 2013

Fleddermann, A, Smith R, **Foxworth J**. Tumor of the Mandible and the Significance of Maintaining a Working Differential Diagnosis. Missouri-American College of Physicians poster sessions, Tan Tar A, Lake of the Ozarks, Sept 14, 2012. (won second prize for student division)

Shamin S, DeBoeuf, A, **Foxworth J**, Sheshadri M. 5-fluorouracil-induced symptomatic bradycardia. Missouri-American College of Physicians poster sessions, Tan Tar A, Lake of the Ozarks, Sept 14, 2012. (won first prize for student division)

Johal G, Winningham P, Davis K, Al-Hihi E, **Foxworth J**. Stage four occult primary breast cancer with metastasis to axillary nodes, liver, and bones. Missouri-American College of Physicians poster sessions, Tan Tar A, Lake of the Ozarks, Sept 14, 2012.

Enhancing Clinical Research Capacity at the UMKC School of Medicine
Karen B. Williams PhD, Chair Biomedical and Health Informatics
Mentors: **John Foxworth PharmD**, Assistant Dean - Faculty Development &
Jill Moormeier MD, MPH, Associate Dean - Graduate Medical Education
University of Missouri-Kansas City School of Medicine. Presented at ELAM by Dr. Williams, spring, 2012

Salman Bhatti, Syed Ahmed, Adnan Khalid, Asad Kabir, **John Foxworth** Severe Unintentional Anticoagulation in a Hospitalized Patient: An Example of the Swiss Cheese Model
Abstract Missouri-American College of Physicians poster sessions, Tan Tar A, Lake of the Ozarks, Sept 16, 2011.

Syed Ahmed, Jack Shenouda, Salman Bhatti, **John Foxworth**, Asad Kabir. Budd Chiari due to Fontan procedure. Missouri-American College of Physicians poster sessions, Tan Tar A, Lake of the Ozarks, Sept 16, 2011.

Vince Faridani, Shariq Shamim, Hasan Taha, Heather Andrews, **John Foxworth**. Oglivie's syndrome: the need for neostigmine. Missouri-American College of Physicians poster sessions, Tan Tar A, Lake of the Ozarks, Sept 16, 2011.

Adil Akhtar, Vince Faridani, **John Foxworth**. An urgent ulceration. Missouri-American College of Physicians poster sessions, Tan Tar A, Lake of the Ozarks, Sept 16, 2011.

Nurry Pirani, MD, **J Foxworth, PharmD** resident research presentation: stress ulcer prophylaxis: where are we going wrong? Presented at resident's research, May 3, 2011 UMKC SOM

Harshal Patil, **J Foxworth, PharmD**, Michael Main, MD: adequacy of transthoracic echocardiography and role of ultra sound contrast agents in pts with grade III obesity. Presented at resident's research May 3, 2011 UMKC SOM

Omkar Vadiya, MD, Amed Ahwad, DO, **John Foxworth, PharmD** Renal cell carcinoma in native kidneys of dialysis pts with and without renal transplantation. Presented at resident's research May 3, 2011 UMKC SOM

Syed Ahmed, Ammar Alkhazna, Asad Kabir, **John Foxworth**. Cocaine-induced moyamoya disease. Missouri-American College of Physicians poster sessions, Tan Tar A, Lake of the Ozarks, Sept 24, 2010.

Crabtree S, **Foxworth J**. Counting the Cost: Fiscal Burden of Caring for Undocumented Immigrants with End Stage Renal Disease (ESRD) at Truman Medical Center (TMC). Missouri-American College of Physicians poster sessions, Tan Tar A, Lake of the Ozarks, Sept 24, 2010.

[PUB255] Comparison of the Incidence of Renal Cell Carcinoma in Native Kidneys of Dialysis Patients with and without Renal Transplantation

Omkar U. Vaidya, Ahmed Awad, John Foxworth, Sharlyn Bogner Nephrology, Saint Lukes Hospital, Kansas City, MO; Internal Medicine, University of Missouri Kansas City, Kansas City, MO abstract accepted at national renal meeting, American Society of Nephrology, September, 2009 available at http://www.abstracts2view.com/asn/view.php?nu=ASN09L1_1541a (last accessed 11/6/09)

Brian Pepito MD, Seshu Rao MD, Kavitha Rao MD, Salima Ali MSV, **John Foxworth PharmD**, Alan Salkind MD ECONOMIC BURDEN OF COMMUNITY-ACQUIRED PNEUMONIA (CAP): USING THE CURB-65 CRITERIA IN DETERMINING SITE-OF-CARE TREATMENT. Missouri-American College of Physicians poster sessions, Tan Tar A, Lake of the Ozarks, Sept 25, 2009.

Lee L, Campbell D, Ansari S, Bonham A, **Foxworth J**. Can CT enterography replace esophagogastroduodenoscopy (EGD) in the diagnosis of gastritis? Missouri-American College of Physicians poster sessions, Tan Tar A, Lake of the Ozarks, Sept 25, 2009.

Judge, Missouri-American College of Physicians sessions at Lake of the Ozarks, fall, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018

Nachnani J, Moormeier J, Buchandani D, **Foxworth J**, et. al. Patient and Physician Predictors of Inappropriate Acid Suppressive Therapy Use in Hospitalized patients. Journal of Hospital Medicine. 2009;4:E10.

Missouri - American College of Physicians poster sessions, Sept 28, 2007, Lake Tan Tar A. Recognition and complication of jejunoileal bypass: a surgery of the past. Singh D, Laya S, **Foxworth J**, Allen M.

Missouri American College of Physicians poster sessions, Sept 28, 2007, Lake Tan Tar A. Bulchandani D, Comes I, Nachnani J, Al-Hihi, E, Bix J, **Foxworth J**. Predictors of community-acquired MRSA in the inpatient setting.

Missouri - American College of Physicians poster sessions, Sept 28, 2007, Lake Tan Tar A. Amin M, **Foxworth J**. Missed diagnosis from lapses in communication and suggestions to improve patient safety in outpatients.

Missouri-American College of Physicians poster sessions, Sept 28, 2007, Lake Tan Tar A. The inappropriate and excessive use of acid suppressive therapy. Nachnani J, Bulchandani D, Moormeier J, **Foxworth J**.

Summary of the community-acquired pneumonia study presented at ICCAC (see next item) in February 15th, 2002 issue of Internal Medicine News.

Salkind AS, Cuddy P, **Foxworth J**. Community acquired pneumonia: a meta analysis. ICCAC. Chicago, Dec., 2001. Oral presentation.

Salkind A, Cuddy P, Foxworth J. An educational program to enhance decision making in patients with stated penicillin allergy. Poster presentation, 22nd annual meeting of the Society for Medical Decision Making. Cincinnati, OH, Sept. 27, 2000.

Marinac JM, Balian JD, **Foxworth JW**, Willsie SK, Daus JC, Flockhart DA. Omeprazole as a probe for the CYP2C19 polymorphism in an African-American population. Poster session 97th annual meeting American Society Clinical Pharmacology and Therapeutics March 20, 1996. Lake Buena Vista, Florida.

Marinac JM, Balian JD, **Foxworth JW**, Willsie SK, Daus JC, Flockhart DA. Omeprazole as a probe for the CYP2C19 polymorphism in an African-American population. Abstract published in Clin Pharmacol Ther. 1996;59:134.

Marinac JS, **Foxworth JW**, Willsie SK. Determination of the dextromethorphan polymorphic hepatic oxidation (CP 450-IID6) in healthy black adults. American Society for Clinical Pharmacology and Therapeutics 95th annual meeting (1995) - scientific program presentations. Poster presentation & abstract

Marinac JS, **Foxworth JW**, Willsie SK. Determination of the omeprazole polymorphic hepatic oxidation (CP450-2C19) in Black Subjects - (102 pts enrolled as of February 13, 1995) - Presented at student research days UMKC School of Medicine, April 8, 1995 by Jennifer Daus, UMKC medical student.

Foxworth JW, Reisz GR, Knudson SM, Cuddy PG, Pyszyzynski DR, Emory CE. Theophylline and diaphragmatic contractility: investigation of a dose-response relationship. Presented at the 23rd Annual Congress of European Society for Clinical Respiratory Physiology - Athens, Greece June 20-24, 1988. European Respiratory J. 1988;1:91s.

ibid. Poster session, Theophylline & diaphragmatic contractility, UMKC School of Medicine Student & Faculty research day, April 21, 1989.

Gatz M, Reisz G, **Foxworth JW**, Pulmonary complications in neurological patients in pentobarbital coma. Chest. Supplement 1987;92:56S (abstract).

Subject reviews

Foxworth JW. Stress ulcer prophylaxis in the ICU. A practice-evidence mismatch? Critical Care Nursing Quarterly. 2000;22:39-44.

Foxworth JW. Preventing antibiotic-associated complications in the critical care setting. *Critical Care Nursing Quarterly*. 1997;20:1-11.

Foxworth JW. Toxicities of antimicrobial agents used in the critical care arena. *Critical Care Nursing Quarterly*. 1989;11:1-10.

Foxworth JW, Roberts JA, Mahmoud SF. Acquired methemoglobinemia: a case report and review of the literature. *Missouri Medicine*. 1987;84:187-9.

Book Chapters

Bamberger DB, **Foxworth JW**, Pepito B, Kallenburger M. Extravascular antimicrobial distribution and the respective blood concentrations & urine concentrations in humans. In: Lorian V, editor. *Antibiotics in Laboratory Medicine*. Baltimore: Lippincott, Williams & Wilkins, 2012:5th ed., Chap. 16: pp. 719-814.

Salkind AR, Cuddy PG, **Foxworth JW** Is this patient allergic to penicillin? In: Simel DL, Rennie D. (eds). *JAMA Evidence: The rational clinical examination*. New York: McGraw Hill. 2009: 1st ed. Chap 39: pp. 515-25.

Bamberger DB, **Foxworth JW**, Shain C, Bridwell D, Gerding D. Extravascular antimicrobial distribution and the respective blood concentrations & urine concentrations in humans. In: Lorian V, editor. *Antibiotics in Laboratory Medicine*. Baltimore: Lippincott, Williams & Wilkins, 2005:5th ed., Chap. 16: pp. 719-814.

Garg U, Jacobs DS, Grady HJ, **Foxworth JW**. Therapeutic Drug Monitoring, pp 731-71, in Jacobs DS, DeMott WR, Oxley DK (eds), *Laboratory Test Handbook*, 5th edition. Lexi-Comp, Cleveland, OH, 2001

Gerding DN, Hughes CE, Bamberger DB, **Foxworth JW**. Extravascular antimicrobial distribution and the respective blood concentrations in humans. In: Lorian V, editor. *Antibiotics in Laboratory Medicine*. Baltimore: Williams & Wilkins, 1995:4th ed., Chap. 18, pp. 835-99.

Scientific papers in peer-reviewed journals

Disseminated Histoplasmosis presenting as Dental lesion in the absence of a vital organ, the thymus. Accepted 9-5-19 by ID cases. Qureini A, Jadhav K, Foxworth J, Connor E.

Cladribine in the remission induction of adult acute myeloid leukemia: Where do we stand?

Authors:

Ayman Qasrawi¹, MD, Waled Bahaj, MD¹, Lien Qasrawi^{2,3}, Omar Abughanimeh¹, **John Foxworth, PharmD¹** and Rakesh Gaur^{4,5}, MD, MPH. *Ann Hematology*. 2018;98:561-79.

The manuscript "Treatment of Scleroderma Associated Lung Disease with Mycophenolate Mofetil: A Community-Based Study" (Manuscript No. 2015-1459), has been successfully submitted to *The Journal of Rheumatology* (1/18/16)

Using toxidromes to assess the poisoned patient. Abu Omar MNI, **Foxworth J.** *Hosp Med Clin*. 3 (2014) e128-e138

Incidence of renal cell carcinoma in native kidneys of dialysis patients with and without renal transplantation accepted by and in press, Clinical Journal of American Society of Nephrology. Sept 13, 2010. Awad, Vaidya, **Foxworth**, Bogener.

Nachnani JS, Bulchandani D, Moormeier J, **Foxworth J**. Patient and physician predictors of inappropriate acid-suppressive therapy use in hospitalized patients. J Hosp Med. 2009;4:E10-E14.

Bulchandani D, Comes I, Nachnani J, Al-Hihi E, Bix J, **Foxworth J**. Predictors of community-acquired methicillin resistant Staphylococcus aureus in the inpatient population. Missouri Medicine. 105:510-3, 2008 Nov-Dec.

Salkind A, Cuddy P, **Foxworth JW**. Meta-analysis of antibiotic treatment of community acquired pneumonia. Ann of Pharmacother 2003;36:1938-43.

Salkind A, Cuddy PG, **Foxworth J**. Is this patient allergic to penicillin? An evidence-based analysis of the likelihood of penicillin allergy. JAMA. 2001;285:2498. (Clinical Examination Series edited by David Simel. Funded by Sonnenwirth Grant \$5000)

Salkind A, Cuddy PG, **Foxworth J**. Is this patient allergic to penicillin? An evidence-based analysis of the likelihood of penicillin allergy. JAMA. 2001;285:2498. (Clinical Examination Series edited by David Simel). Cited 118 times as of 2/16/10.

Marinac JM, Balian JD, **Foxworth JW**, Willsie SK, Daus JC, Flockhart DA. Determination of CYP2C19 Phenotype in African-Americans using Omeprazole: Correlation with genotype. Clin Pharmacol Ther. 1996;60:138-44.

Marinac JS, **Foxworth JW**, Willsie SK. Dextromethorphan Polymorphic Hepatic Oxidation (CPY2D6) in Black American Adult Subjects. Therapeutic Drug Monitoring. 1995;17:120-4. (Funded by Sarah Morrison Grant for research in internal medicine: \$5000)

Foxworth JW, Reisz GR, Pyszczyński DP. Oral clonidine in patients with asthma: No significant effect on airway reactivity. European Journal Clinical Pharmacology 1995;48:19-22. Funded by Sarah Morrison Grant. (\$15,000).

Foxworth JW, Reisz GR, Knudson SM, Cuddy PG, Pyszczyński DR, Emory CE. Theophylline and diaphragmatic contractility: investigation of a dose-response relationship. Am Rev Respir Dis. 1988;138:1532-4 (funded by Department of Medicine: \$4000).

RESEARCH PROJECTS (ONGOING)

PI for lung cancer screening project, with Thomas Odeny, MD PhD, and Marcella Riley (MS 5). Nov 2018

Qasrawi, Madhu, Foxworth. Research project: Protocol Title: The Impact of Location of Colorectal Cancer on Carcinoembryonic Antigen (CEA) Levels. Accepted for poster presentation at NCCN conference in Orlando in March, 2018.
Approved by IRB May, 2017

Research project: Differences in key health indicators between teaching and non-teaching hospitals in the US. Project on teaching hospital data vs non-teaching hospital data (LOS, survival, etc)

Faculty advisor to Kristen Gillenwater, Orson Bangert for their required research project. The title was an evaluation of our ranking of IM resident applicants and their outcome performance. Spring, 2013

Faculty adviser to Nurry Pirani, MD for resident research project: stress ulcer prophylaxis: where are we going wrong? Presented at resident's research, May 3, 2011 UMKC SOM

Faculty adviser to Harshal Patil, **J Foxworth, PharmD**, Michael Main, MD: adequacy of transthoracic echocardiography and role of ultra sound contrast agents in pts with grade III obesity. Presented at resident's research May 3, 2011 UMKC SOM

Faculty adviser to Deepti Bulchandani, MD and Iris Comes, MD, on their project on community-acquired MRSA infections, 2007.

Faculty adviser to Pradeep Ramash, MD, medicine resident, on his project evaluating chest pain admissions to TMC and the final diagnosis. 2007

Faculty adviser to Jayasree Pilliaisetti, MD, medicine resident, on her residency project comparing care of patients by PGY 1, 2, or 3, in ordering yearly eye exams in diabetic patients. July, 2005.

Faculty adviser to Heather Kort, DO, and Rebecca Klontz, MD, on health benefits of far-infrared heated saunas. Randomized, controlled, double-blind study funded at \$50,000 by Sunshine Sauna. Spring, 2005.

Marinac JS, **Foxworth JW**, (co-principal investigators) Willsie SK. Timolol pharmacokinetics and pharmacodynamics in healthy African-Americans. Submitted into Spring 1995 competition as a Sarah Morrison Grant Proposal, request for \$12,922.28 - awarded January 15, 1996 for \$8000/year. Inability to find the necessary drug assay forced termination)

Principle investigator Effect of theophylline on the diaphragm in patients with severe COPD. Approved by TMC Investigational Review Board, 1991. Funded by Department of Medicine, TMC-W - in progress. (unable to enter enough patients)

Co-investigator (Drs. George Reisz and Marvin Gatz) Pulmonary Complications of Neurological Patients in Pentobarbital Coma.

Principle investigator (co-investigators Drs. David Bamberger & George Reisz) Impact on the efficacy and toxicity of aminoglycosides administered once daily versus three times daily in treatment of gram-negative aerobic infections. Funded by the Department of Medicine, Truman Medical Center. Approved by TMC Investigational Review Board 1/10/89. (terminated in 1991 because of insufficient patient enrollment)

co-investigator (Drs. Salkind and Cuddy), Evidence-based clinical application of penicillin skin testing, awarded Sonnenwirth grant, March, 2000. \$1500

OTHER INTERESTS

Listening to music, reading, fine woodworking, woodcarving, scrimshaw, mother of pearl inlay, gardening, computing, wildlife and natural resource conservation.