Supplemental Digital Appendix 1

Details of Resident Publications Before (2001-2006) and After (2006-2012) Implementation of the Resident Research Program at Baystate Medical Center

Academic			Resident		RRD
year (no. total			author	No. total	author
publications)	Name of journal	Article type	position	authors	position
2001/2002 (0)					
2002/2003 (1)	American Journal of Kidney Disease ¹	Original research	3	11	NA
2003/2004 (1)	Journal of Cardiovascular Anesthesia ²	Case report	1	6	NA
2004/2005 (1)	Journal of Magnetic Resonance Imaging ³	Original research	13	14	NA
2005/2006 (0)					
2006/2007 (0)					
2007/2008 (4)	Journal of General Internal Medicine ⁴	Original research	1	3	3
	Teaching and Learning in Medicine ⁵	Original research	3	4	
	Nephrology ⁶	Original research	3	4	
	Journal of Palliative Medicine ⁷	Essay	1	2	
2008/2009 (8)	Journal of Emergency Medicine ⁸	Case report	1 & 2	4	
	Journal of Cardiovascular Medicine ⁹	Case report	1	4	
	Journal of Invasive Cardiology ¹⁰	Case report	2	2	
	International Journal of STDs/AIDS ¹¹	Case report	1	5	
	Cleveland Clinic Journal of Medicine ¹²	Case report	2	4	
	Investigative Ophthalmology ¹³	Original research	2	9	
	Journal of General Internal Medicine ¹⁴	Original research	3 & 4	8	1
	American Journal of Surgery ¹⁵	Original research	1	3	
2009/2010 (11)	New England Journal of Medicine ¹⁶	Letter	1	3	3
	American Journal of Medicine ¹⁷	Case report	1 & 2	4	
	Journal of Invasive Cardiology ¹⁸	Case report	2 & 3	3	
	American Journal of Medicine ¹⁹	Case report	1 & 2	3	

	Journal of General Internal Medicine ²⁰	Editorial	2	2	1
-	American Journal of Medicine ²¹	Review	1	3	3
-	Journal of Investigative Medicine ²²	Original research	1 & 2	5	5
_	Acquired Immune Deficiency Syndrome ²³	Original research	2	6	
_	European of Gastroenterology and	Original research	1 & 2	4	
	Hepatology ²⁴				
-	JAMA ²⁵	Original research	4	6	1
-	Journal of Hospital Medicine ²⁶	Original research	4	6	1
2010-2011 (15)	Southern Medical Journal ²⁷	Case report	1	4	
	Journal of Hospital Medicine ²⁸	Case report	1	3	
	Annals of Long Term Care ²⁹	Case report	1 & 2	3	
	American Journal of Case Reports ³⁰	Case report	1	2	
	Journal of Interventional Gastroenterology ³¹	Case report	1	2	
	Clinical Medicine Insights ³²	Review	1 & 2	3	
	Current Heart Failure Report ³³	Review	2	3	
	Annals of Internal Medicine ³⁴	Original research	2	8	1
	Journal of International Association of	Original research	2	5	
	Physicians in AIDS Care ³⁵				
	Southern Medical Journal ³⁶	Original research	1	4	4
	British Medical Journal ³⁷	Original research	2 & 3	6	1
	Journal of General Internal Medicine ³⁸	Original research	1	6	6
	Heart Rhythm ³⁹	Original research	1	5	
	American Journal of Cardiology ⁴⁰	Original research	1 & 4	7	7
	Journal of Hospital Medicine ⁴¹	Essay	1	1	
2011-2012 (19)	Archives of Internal Medicine ⁴²	Letter	1	2	1
	Journal of Cardiovascular Disease Research ⁴³	Case report	1-3	4	
	Case Report Medicine ⁴⁴	Case report	1	3	
	Journal of Medical Case Reports ⁴⁵	Case report	1, 2, & 4	5	

Case report	1 & 4	5	
Editorial	1 & 2	2	
Review	3	4	
Review	2	3	
Original research	3 & 4	6	1
Original research	1 & 2	4	4
Original research	1	6	6
Original research	2	5	5
Original research	2	4	4
Original research	2	5	
Original research	2	5	
Original research	3	8	
Original research	1	7	
Original research	2	5	
Original research	1 & 2	5	5
	Editorial Review Review Original research	Editorial 1 & 2 Review 3 Review 2 Original research 3 & 4 Original research 1 & 2 Original research 3 Original research 2 Original research 3 Original research 1 Original research 1	Editorial 1 & 2 2 Review 3 4 Review 2 3 Original research 3 & 4 6 Original research 1 & 2 4 Original research 2 5 Original research 2 5 Original research 2 5 Original research 2 5 Original research 3 8 Original research 3 8 Original research 1 7 Original research 2 5

Abbreviations: RRD indicates resident research director; NA, not applicable.

Note: The resident research program was implemented in 2006. Resident authors' names are underlined in the references.

References

- 1. Headley S, Germain M, <u>Mailloux P</u>, et al. Resistance training improves strength and functional measures in patients with end-stage renal disease. Am J Kidney Dis. 2002;40:355-364.
- 2. <u>Mailloux PT</u>, Bhopatkar S, Boyd TK, Rousou JA, Jiang L, Higgins TL. Right atrial thrombus leading to altered mental status. J Cardiothorac Vasc Anesth. 2003;17:509-511.
- 3. Sacktor N, Skolasky RL, Ernst T, et al. A multicenter study of two magnetic resonance spectroscopy techniques in individuals with HIV dementia. J Magn Reson Imaging. 2005;21:325-333.
- 4. <u>Ashraf MJ</u>, Cook JR, Rothberg MB. Clinical utility of folic acid testing for patients with anemia or dementia. J Gen Intern Med. 2008;23:824-826.
- 5. Salerno SM, Faestel PM, <u>Mulligan T</u>, Rosenblum MJ. Disruptions and satisfaction in internal medicine resident continuity clinic differ between inpatient and outpatient rotations. Teach Learn Med. 2007;19:30-34.
- 6. Sharma AP, Mandhani A, <u>Daniel SP</u>, Filler G. Shorter break-in period is a viable option with tighter PD catheter securing during the insertion. Nephrology (Carlton). 2008;13:672-676.
- 7. Magauran CE, Brennan M. Being a "good doctor". J Palliat Med. 2008;11:506-508.
- 8. <u>Sivalingam SK</u>, <u>Saligram P</u>, Natanasabapathy S, Paez AS. Covert cryptococcal meningitis in a patient with systemic lupus erythematous. J Emerg Med. 2012;42:e101-104.
- 9. <u>Sivalingam SK</u>, Parthasarathy HK, Choong CK, Freeman LJ. Severe triple vessel coronary artery disease and aneurysms in a young white man: disease progression of childhood Kawasaki disease. J Cardiovasc Med (Hagerstown). 2009;10:170-173.
- 10. Giugliano GR, <u>Sivalingam SK</u>. Bivalirudin use during PCI for stent thrombosis in a patient with subacute intracranial hemorrhage. J Invasive Cardiol. 2009;21:136-138.
- 11. <u>Shah AM</u>, Tidswell M, Prefontaine M, Skiest DJ, Pantanowitz L. Choriocarcinoma in an AIDS patient--relapsing but not fatal. Int J STD AIDS. 2008;19:496-498.
- 12. Asudani D, Wretzel S, Patel R, Stayman A. A judgment call. Cleve Clin J Med. 2008;75:690-691, 695.
- 13. Abbas M, <u>Bobo LD</u>, Hsieh YH, et al. Human leukocyte antigen (HLA)-B, DRB1, and DQB1 allotypes associated with disease and protection of trachoma endemic villagers. Invest Ophthalmol Vis Sci. 2009;50:1734-1738.
- 14. Rothberg MB, <u>Kehoe ED</u>, <u>Courtemanche AL</u>, et al. Recognition and management of chronic kidney disease in an elderly ambulatory population. J Gen Intern Med. 2008;23:1125-1130.

- 15. <u>Payette M</u>, Chatterjee A, Weeks WB. Cost and workforce implications of subjecting all physicians to aviation industry work-hour restrictions. Am J Surg. 2009;197:820-825; discussion 826-827.
- 16. <u>Wartak SA</u>, Lotfi A, Rothberg M. Ticagrelor versus clopidogrel in acute coronary syndromes. N Engl J Med. 2009;361:2386-2387; author reply 2387-2388.
- 17. <u>Hernandez JA, Awkal M, Martagon-Villamil JA.</u> Looking Back at Lyme Carditis (Clinical Communication to the Editor). Am J Med. 2010;123:e9-e10.
- 18. <u>Kommana S, Wartak S</u>, Joelson J. Coarctation of Distal Thoracic Aorta—The Middle Aortic Syndrome in an Elderly Female with Severe Coronary Artery Disease. J Invasive Cardiol. 2010;22:E47-48.
- 19. <u>Kommana SL, Shah A</u>, Richardson C, Kelly B. Images of Dermatology. Handful of Sweets. Am J Med. 2008;121:1049-1051.
- 20. Rothberg MB, <u>Sivalingam</u> SK. The New Heart Failure Diet: Less Salt Restriction, More Micronutrients. J Gen Intern Med. 2010;25:1136-1137.
- 21. Luciano GL, Brennan MJ, Rothberg MB. Postprandial Hypotension. Am J Med. 2010;123:281.e1-6.
- 22. <u>Belforti RK, Wall MS</u>, Lindenauer PK, Pekow PS, Rothberg, MB. International Outsourcing of Medical Research by High Income Countries: Changes from 1995 to 2005. J Investig Med. 2010;58:287-294.
- 23. Iarikov DE, <u>Irizarry-Acosta M</u>, Martorell C, Rauch CA, Hoffman RP, Skiest DJ. Use of HIV Resistance Testing after Prolonged Treatment Interruption. J Acquir Immune Defic Syndr. 2010;53:333-337.
- 24. <u>Shaikh AA, Hussain SM,</u> Rahn S, Desilets DJ. Effect of an educational pamphlet on colon cancer screening: a randomized, prospective trial. Eur J Gastroenterol Hepatol. 2010;22:444-449.
- 25. Rothberg MB, Pekow PS, Lahtí M, <u>Brody O</u>, Skiest DJ, Lindenauer PK. Antibiotic Therapy and Treatment Failure in Patients Hospitalized for Acute Exacerbations of Chronic Obstructive Pulmonary Disease. JAMA. 2010;303:2035-2042.
- 26. Rothberg MB, Pekow P, Lahti M, <u>Brody O</u>, Skiest D, Lindenauer P. Comparative Effectiveness of Macrolides and Quinolones for Patients Hospitalized with Acute Exacerbations of Chronic Obstructive Pulmonary Disease (AECOPD). J Hosp Med. 2010;5:261-267.
- 27. <u>Dhelaria RK</u>, Acevedo C, Fadaili A, Crisi G. Microtumor embolization leading to cor pulmonale: an extremely rare complication of ovarian cancer. South Med J. 2010;103:720.
- 28. Wartak S, Lotfi A, Giuliano G. The Way To A Man's Heart Is Through His Liver. J Hosp Med. 2011;6:238-239.
- 29. <u>Bhargava A, Curtis A</u>, Belforti R. Acute Pancreatitis from Gastrostomy Tube Migration in a Nursing Home Resident. Annals of Long Term Care: Clinical Care and Aging. 2011;19:25-27.

- 30. <u>Gupta E</u>, Stefan M. Fulminant Clostridium Difficile Colitis Post Total Hip Replacement. Am J of Case Reports. 2010;11:267-270.
- 31. <u>Hussain S</u>, Ghaoui R. Porto-gastric fistula from penetration of coil from gastric varix after TIPS procedure for bleeding gastric varices. J Interv Gastroenterol. 2011;1:33.
- 32. <u>Samat AG, Bhargava A</u>, Reddy V. A Review of Exenatide in the Treatment of Type 2 Diabetes Mellitus. Clinical Medicine Insights: Therapeutics. 2010;(2):715-725.
- 33. Valania G, <u>Singh M</u>, Slawsky M. Targeting Hypotnatremia and Hemodynamics in Acute Decompensated Heart Failure: Is there a role for vasopressin antagonists? Curr Heart Fail Rep. 2011;8:198-205.
- 34. Rothberg MB, <u>Sivalingam SK</u>, Ashraf J, et al. Patients' and Cardiologists' Perceptions of the Benefits of Percutaneous Coronary Intervention for Stable Coronary Disease. Ann Intern Med. 2010;153:307-313.
- 35. Iarikov DE, Irizarry-Acosta M, Martorell C, Hoffman RP, Skiest DJ. Low Prevalence of Primary HIV Resistance in Western Massachusetts. J Int Assoc Physicians AIDS Care (Chic). 2010;9:227-231.
- 36. <u>Hussain S</u>, Stefan M, Visintainer P, Rothberg M. Why Do Physicians Prescribe Stress Ulcer Prophylaxis to General Medicine Patients? South Med J. 2010;103:1103-1110.
- 37. Rothberg MB, <u>Arora A, Hermann J</u>, Kleppel R, St. Marie P, Visintainer P. Phantom vibration syndrome among medical staff: a cross sectional survey. BMJ. 2010;341:c6914.
- 38. <u>Sivalingam SK</u>, Ashraf J, Vallurupalli N, Friderici J, Cook J, Rothberg MB. Ethnic differences in the self-recognition of obesity and obesity-related comorbidities: a cross-sectional analysis. J Gen Intern Med. 2011;26:616-620.
- 39. <u>Mallidi J.</u> Nadkami GN, Berger RD, Calkins H, Nazarian S. Meta-analysis of Catheter Ablation as an Adjunct to Medical Therapy for Treatment of Ventricular Tachycardia in Patients with Structural Heart Disease. Heart Rhythm. 2011;8:503-510.
- 40. <u>Wartak S.</u> Friderici J, Lotfi A, Verma A, Kleppel R, Naglieri-Prescod D, Rothberg MB. Patients' Knowledge of Risk and Protective Factors for Cardiovascular Disease. Am J Cardiol. 2011;107:1480-1488.
- 41. <u>Verma A, Brennan M. His mother. J Hosp Med. 2011;6:173-174.</u>
- 42. <u>Dhelaria R,</u> Rothberg MB. Is Varencicline Effectiveness Declining in Randomized Trials? Arch Intern Med. 2011;171:1770-1771; author reply 1771-1772.
- 43. <u>Atreya AR, Arora S, Sivalingam S,</u> Guigliano GR. ST Segment Elevation Myocardial Infarction as a Presenting Feature of Thrombotic Thrombocytopenic Purpura. J Cardiovasc Dis Res. 2012;3:167-169.

- 44. <u>Wartak SA</u>, Mehendale RA, Lotfi A. A unique case of asystole secondary to facial injury. Case Rep Med. 2012;2012:382605.
- 45. Ogunneye O, Hernandez J, Ogunneye Y, Ogu I, Landry D. Para-Influenza Virus Infection Associated with Posterior Reversible Encephalopathy Syndrome: a case report. J Med Case Rep. 2012;6:89.
- 46. <u>Wartak SA</u>, Mehendale RA, Freda B, <u>Verma A</u>, Rose DN. Altered mental status and low anion gap in a patient with sickle cell anemia: a case report. J Med Case Rep. 2012;6:72.
- 47. Ogunneye O, Hernandez J. Acute Cytomegalovirus Colitis Mimicking Exacerbation of Ulcerative Colitis. Precipitating or Coincidental. Am J Med. 2012;125:e3-4.
- 48. Freda BJ, Slawsky M, <u>Mallidi J</u>, Braden GJ. Decongestive Treatment of Acute Decompensated Heart Failure: Cardiorenal Implications of Ultrafiltration and Diuretics. Am J Kidney Dis. 2011;58:1005-1017.
- 49. Valania G, <u>Singh M</u>, Slawsky M. Targeting hyponatremia and hemodynamics in acute decompensated heart failure: Is there a role for vasopressin antagonists? Curr Heart Fail Rep. 2011;8:198-205.
- 50. Rothberg MB, Steele JR, Wheeler J, Arora A, Priya A, Lindenauer PK. The Relationship Between Time Spent Communicating and Communication Outcomes on a Hospital Medicine Service. J Gen Intern Med. 2012;27:185-189.
- 51. <u>Luciano G, Carter BL</u>, Garb JL, Rothberg MB. Residents-as-Teachers: Implementing a Toolkit in Morning Report to Redefine Resident Roles. Teach Learn Med. 2011;23:316-323.
- 52. <u>Seiler A, Visintainer P, Brzostek R, Benjamin E, Whitcomb W, Rothberg MB. Patient Satisfaction with Hospital Care Provided by Hospitalists and Primary Care Physicians. J Hosp Med. 2012;7:131-136.</u>
- 53. Rothberg MB, <u>Belforti R</u>, Fitzgerald J, Friderici J, Keyes M. Four Years' Experience with a Hospitalist-Led Medical Emergency Team: An Interrupted Time Series. J Hosp Med. 2012;7:98-103.
- 54. Stefan M, <u>Belforti R</u>, Langlois G, Rothberg MB. A Simulation Based Program to Train Medical Residents to Lead and Perform Advanced Cardiovascular Life Support. Hosp Pract (1995). 2011;39:63-69.
- 55. Lotfi AS, <u>Sivalingam SK</u>, Giugliano GR, Ashraf J, Visintainer P. Use of Fraction Flow Reserve to Predict Changes over Time in Management of Superficial Femoral Artery. J Interv Cardiol. 2012;25:71-77.
- 56. Lotfi A, <u>Wartak S</u>, Sethi P, Garb J, Giugliano G. Postoperative Atrial Fibrillation Is Not Associated With an Increase Risk of Stroke or the Type and Number of Grafts: A Single-Center Retrospective Analysis. Clin Cardiol. 2011;34:787-790.
- 57. Lotfi A, Cui J, <u>Wartak S</u>, et al. Influence of Low-Dose Aspirin (81 mg) on the Incidence of Definite Stent Thrombosis in Patients Receiving Bare-Metal and Drug-Eluting Stents. Clin Cardiol. 2011;34:567-571.

- 58. <u>Al Rowas S</u>, Haddad R, Gawri R, et al. Effect of in utero exposure to diethystilbesterol on lumbar and femoral bone, articular cartilage and the intervertebral disc in male and female adult mice progeny with and without swimming exercise. Arthritis Res Ther. 2012;14:R17.
- 59. Haessler S, <u>Bhagavan</u> A, Kleppel R, Hinchey KT, Visintainer P. Getting Doctors to Clean their Hands: Lead the Followers. BMJ Qual Saf. 2012;21:499-502.
- 60. <u>Penumetsa S, Mallidi J, Friderici J, Hiser W, Rothberg MB.</u> Outcomes of Admitted for Observation of Chest Pain. Arch Intern Med. 2012;172:873-877.