

**CURRICULUM VITAE**  
**The Johns Hopkins University School of Medicine**

Edward K. Kasper, MD, FACC, FAHA

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**DEMOGRAPHIC INFORMATION**

***Current Appointments***

University:	E. Cowles Andrus Professor in Cardiology Department of Medicine Johns Hopkins School of Medicine
Hospital:	Director, Clinical Cardiology Johns Hopkins Hospital

***Personal Data***

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***Education and Training***

Undergraduate	B.A./1979	Johns Hopkins University, Natural Sciences
Doctoral	M.D/1984	University of Connecticut School of Medicine
Postdoctoral	1984-1987	The Johns Hopkins Hospital, Internship and Residency in Internal Medicine
	1988-1991	The Johns Hopkins Hospital, Fellowship in Cardiovascular Disease

***Professional Experience (in chronological order)***

<i>Dates</i>	<i>Positions</i>	<i>Institutions</i>
1987-1988	Assistant Chief of Service	Department of Medicine The Johns Hopkins Hospital
	Instructor in Medicine	Johns Hopkins University School of Medicine
1991-1992	Assistant Professor of Medicine	Vanderbilt University School of Medicine, Department of Medicine
	Medical Director	Vanderbilt Cardiomyopathy and Heart Transplant Program
1993-1998	Assistant Professor of Medicine	Johns Hopkins University School of Medicine
1993-2003	Director, Heart Failure and Heart Transplant Service	Johns Hopkins School of Medicine
1998-2007	Associate Professor of Medicine	Johns Hopkins University School of Medicine
2003-2008	Chief, Cardiology	Cardiology Division Johns Hopkins Bayview Medical Center
2007-	Professor of Medicine	Johns Hopkins University School of Medicine
2008-	Director, Clinical Cardiology	The Johns Hopkins Hospital

**RESEARCH ACTIVITIES**

***Publications***

***Peer-reviewed original research:***

1. Kristt DK, Shirley MS, **Kasper E**. Monoaminergic synapses in infant mouse neocortex: comparison of cortical fields in seizure-prone and resistant mice. *Neuroscience* 1980;5:883-891.
2. Kristt DK, **Kasper EK**. High density of cholinergic muscarinic receptors accompanies high intensity acetylcholinesterase-staining in layer IV of infant rat somatosensory cortex. *Developmental Brain Research* 1983;284(2-3):373-376.
3. Hruban RH, **Kasper EK**, Gaudin PB, Baughman K, Baumgartner WB, Reitz BA, Hutchins GM. Severe lymphocytic endotheliitis associated with coronary artery spasm in a heart transplant recipient. *The Journal of Heart and Lung Transplantation* 1992;11:42-47.

## **Publications**

### ***Peer-reviewed original research: continued***

4. **Kasper E**, Ventura C, Ziman BD, Lakatta EO, Weisman H, Capogrossi MC. Effect of U-50, 488H on the contractile response of cardiomyopathic hamster ventricular myocytes. *Life Sciences* 1992;50(26):2029-2035.
5. Yeoh TK, Frist WH, Lagerstrom C, **Kasper EK**, Groves J, Merrill W. Relationship of cardiac allograft size and pulmonary vascular resistance to long-term cardiopulmonary function. *The Journal of Heart and Lung Transplantation* 1992;11:1168-1176.
6. Johns CJ, Paz H, **Kasper EK**, Baughman KL. Myocardial sarcoidosis: Course and management. *Sarcoidosis* 1992;9:231-236.
7. **Kasper EK**, Hruban RH, Baughman KL. Cardiomyopathy of obesity; a clinicopathologic evaluation of 43 obese patients with heart failure. *American Journal of Cardiology* 1992;70(9):921-924.
8. Baraldi-Junkins C, Levin HR, **Kasper EK**, Rayburn BK, Herskowitz A, Baughman KL. Complications of endomyocardial biopsy in cardiac transplant patients. *The Journal of Heart and Lung Transplantation* 1993; 12:63-67.
9. Bourge RC, Naftel DC, Costanzo-Nortin M, Kirklin JK, Young JB, Kubo SH, Olivari MT, **Kasper EK**. Pre-Transplant risk factors for death after cardiac transplantation: A multi-institutional study. *The Journal of Heart and Lung Transplantation* 1993; 12:549-562.
10. Gaudin PB, Hruban RH, **Kasper EK**, Olson JL, Beschoner WE, Baughman KL. Myocarditis associated with doxorubicin cardiotoxicity. *American Journal of Clinical Pathology* 1993; 100:158-163.
11. Herskowitz A, Campbell S, Deckers J, **Kasper EK**, Boehmer J, Hadian D, Neumann DA, Baughman KL. Demographic features and prevalence of idiopathic myocarditis in patients undergoing endomyocardial biopsy. *American Journal of Cardiology* 1993; 71:982-986.
12. **Kasper EK**, Agema WR, Hutchins GM, Deckers JW, Hare JM, Baughman KL. The causes of dilated cardiomyopathy: A clinicopathologic review of 673 consecutive patients. *Journal of the American College of Cardiology* 1994;23:586-90.
13. Gaudin PB, Rayburn BK, Hutchins GM, **Kasper EK**, Baughman KL, Goodman SN, Lecks LE, Baumgartner WA, Hruban RH. Peritransplant Injury to the myocardium associated with the development of accelerated arteriosclerosis in heart transplant recipients. *Am J Surg Pathol* 1994; 18(4): 338-346.
14. Pak PH, Gillinov AM, Hruban RH, Rosenthal LS, Rosengard BR, Augustine SM, Achuff SC, Laschinger JC, **Kasper EK**. Aortic dissection in a cardiac allograft recipient. *The Journal of Heart & Lung Transplantation* 1995;14:1003-5.
15. Kendell KR, Day JD, Hruban RH, Olson JL, Rosenblum WD, **Kasper EK**, Baughman KL, Hutchins GM. Intimate association of eosinophils to collagen bundles in eosinophilic myocarditis and ranitidine induced hypersensitivity myocarditis. *Arch Pathol Lab Med* 1995;119:1154-1160.
16. Baas IO, Offerhaus JA, El-Derry WS, Wu TC, Hutchins GM, **Kasper EK**, Baughman KL, Baumgartner WA, Chiou CJ, Hayward GS, Hruban RH. The WAF-1 mediated p53 growth-suppressor pathway is intact in the coronary arteries of heart transplant recipients. *Hum Pathol* 1996;27:324-329.
17. Berger RD, Orias D, **Kasper EK**, Calkins H. Catheter ablation of coexistent bundle branch and interfascicular reentrant ventricular tachycardia's. *J Cardiovasc Electrophysiol* 1996;7:341-347.

## **Publications**

### **Peer-reviewed original research: continued**

18. Kass DA, Van Anden E, Becker LC, **Kasper EK**, White WB, Feldman AM. Dose-dependence of chronic positive inotropic effect of vesnarinone in patients with dilated cardiomyopathy. *American Journal of Cardiology* 1996;78:652-656.
19. Berger RD, **Kasper EK**, Baughman KL, Marban E, Calkins H, Tomaselli GF. Beat-to-beat QT Variability: Novel Evidence for Repolarization Lability in Ischemic and Non-Ischemic Dilated Cardiomyopathy. *Circulation* 1997; 96:1557-1565
20. Gopal S, Narasumhan U, Day JD, Gao R, **Kasper EK**, Chen CL, Cina S, Robertson AL, Hruban RH. The Quilty Lesion: Focal Apoptosis /Necrosis and Lymphocyte Subsets in Human Cardiac Allografts. *Pathology International* 1998;48:191-198.
21. Augustine SM, Baumgartner WA, **Kasper EK**. Obesity and hypercholesterolemia following heart transplantation. *J. Transplant Coordinator* 1998;8:164-9.
22. O' Connor CM, Gattis WA, Gheorghide M, Granger CB, Gilbert J., McKenney JM, Messineo FC, Burnett JC, Katz SD, Elkagam U, **Kasper EK**, Goldstein S, Cody RJ, Massie BM. A Randomized Trial of Ecadotril versus Placebo in patients with Mild to Moderate Heart Failure: The U.S. Ecadotril Pilot Study. *American Heart J* 1999: 138 (6 pt 1)1140 - 1148.
23. Baldwin WM, Samaniego-Picota M, **Kasper EK**, Clark AM, Czader M, Rohde C, Zachary AA, Sanfilippo F, Hruban RH. Complement deposition in early cardiac transplant biopsies is associated with ischemic injury and subsequent rejection episodes. *Transplantation* 1999;68:894-900.
24. Felker GM, Hu W, Hare JM, Hruban RH, Baughman KL, **Kasper EK**. The spectrum of dilated cardiomyopathy. *Medicine (Baltimore)* 1999;78:270-283.
25. McCarthy RE, Boehmer JP, Hruban RH, Hutchins GM, **Kasper EK**, Hare JM, Baughman KL. Long-term outcome of fulminant myocarditis as compared with acute (nonfulminant) myocarditis. *New England Journal of Medicine* 2000; 342(10):690-695.
26. Felker GM, Thompson RE, Hare JM, Hruban RH, Clemetson DE, Howard DL, Baughman KL, **Kasper EK**. Underlying causes and long-term survival in initially unexplained cardiomyopathy. *New England Journal of Medicine* 2000; 342(15):1077-1084.
27. Felker GM, Boehmer JP, Hruban RH, Hutchins GM, **Kasper EK**, Baughman KL, Hare JM. Echocardiographic findings in fulminant and acute myocarditis. *Journal of the American College of Cardiology* 2000;36(1):227-232.
28. Felker GM, Jaeger CJ, Klodas E, Thiemann DR, Hare JM, Hruban RH, **Kasper EK**, Baughman KL. Myocarditis and long-term survival in peripartum cardiomyopathy. *Am Heart J* 2000 Nov;140(5):785-791.
29. Segal JB, **Kasper EK**, Rohde C, Bray PF, Baldwin WM, Resar JR, Hruban RH, Kickler TS. Coagulation markers predicting cardiac transplant rejection. *Transplantation*. 2001;72:233- 237.
30. Chance JJ, Segal JB, Wallerson G, **Kasper E**, Hruban RH, Kickler TS, Chan DW. Cardiac troponin T and C-reactive protein as markers of acute cardiac allograft rejection. *Clin Chim Acta* 2001;312:31-39.
31. **Kasper EK**, Gerstenblith G, Hefter G, Van Anden E, Brinker JA, Thiemann DR, Terrin M, Forman S, Gottlieb SH. A randomized trial of the efficacy of multi-disciplinary care in heart failure outpatients at high risk for hospital readmission. *J Am Coll Cardiol*. 2002;39:471-480.
32. Cappola TP, Felker GM, Kao WHL, Hare JM, Baughman KL, **Kasper EK**. Pulmonary hypertension and risk of death in cardiomyopathy. Patients with myocarditis are at higher risk. *Circulation*. 2002;105:1663-1668.

## Publications

### Peer-reviewed original research: continued

33. Subramanian AK, Quinn TC, Kickler TS, **Kasper EK**, Tucker PC. Correlation of chlamydia pneumonia infection and severity of accelerated graft arteriosclerosis after cardiac transplantation. *Transplantation*. 2002;73:761-764.
34. Hennebry TA, Segal JB, Kickler TS, **Kasper EK**, Resar JR. Usefulness of decreased levels of D-dimer in predicting progressive accelerated graft arteriosclerosis. *Am J Cardiol*. 2002;89:884-887.
35. Bertoni AG, Tsai A, **Kasper EK**, Brancati FL. Diabetes and idiopathic cardiomyopathy: a nationwide case-control study. *Diabetes Care*. 2003;26:2791-2795.
36. Nasir K, Tandri H, Rutberg J, Tichnell C, Spevak P, Crossan J, Baughman KL, **Kasper EK**, Tomaselli GF, Berger R, Calkins H. Filtered QRS duration on signal-averaged electrocardiography predicts inducibility of ventricular tachycardia in arrhythmogenic right ventricular dysplasia. *Pacing Clin Electrophysiol*. 2003;26:1955-1960.
37. Babayan ZV, McNamara RL, Nagajothi N, **Kasper EK**, Armenian HK, Powe NR, Baughman KL, Lima JA. Predictors of cause-specific hospital readmission in patients with heart failure. *Clin Cardiol*. 2003;26:411-418.
38. Rahman JE, Helou EF, Gelzer-Bell R, Thompson RE, Kuo C, Rodriguez ER, Hare JM, Baughman KL, **Kasper EK**. Noninvasive diagnosis of biopsy-proven cardiac amyloidosis. *J Am Coll Cardiol* 2004;43:410-415.
39. Pulerwitz TC, Cappola TP, Felker GM, Hare JM, Baughman KL, **Kasper EK**. Mortality in primary and secondary myocarditis. *Am Heart J*. 2004;147(4):746-50.
40. Bomma C, Rutberg J, Tandri H, Nasir K, Roguin A, Tichnell C, Rodriguez R, James C, **Kasper E**, Spevak P, Bluemke DA, Calkins H. Misdiagnosis of arrhythmogenic right ventricular dysplasia/cardiomyopathy. *J Cardiovasc Electrophysiol*. 2004;15(3):300-6.
41. Ardehali H, Qasim A, Cappola T, Howard D, Hruban R, Hare JM, Baughman KL, **Kasper EK**. Endomyocardial biopsy plays a role in diagnosing patients with unexplained cardiomyopathy. *Am Heart J* 2004;147:919-923
42. Baldwin WM 3<sup>rd</sup>, Armstrong LP, Samaniego-Picota M, Rahimi S, Zachary AA, **Kasper EK**, Conte JV, Hruban RH, Rodriguez ER. Antithymocyte globulin is associated with complement deposition in cardiac transplant biopsies. *Hum Immunol*. 2004 Nov;65(11):1273-80.
43. Khakoo AY, Halushka MK, Rame JE, Rodriguez ER, Kasper EK, Judge DP. Reversible cardiomyopathy caused by administration of interferon alpha. *Nature Clinical Practice Cardiovascular Medicine*. 2005 Jan;2(1):53-57.
44. McGiffin DC, Brown R, Kirklin JK, Naftel DC, Bourge RC, Pritzker MR, **Kasper EK**, Stevens T, Clemson BS, Smith AL, Hill JA, Rodeheffer RJ. The case for selective re-issuance of medical certificates to allow pilots who have received a heart transplant to resume flying. *J Heart Lung Transplant*. 2005 Mar;24(3):259-69.
45. Chang PP, Longenecker JC, Wang NY, Baughman KL, Conte JV, Hare JM, **Kasper EK**. Mild vs severe pulmonary hypertension before heart transplantation: different effects on post transplantation pulmonary hypertension and mortality. *J Heart Lung Transplant*. 2005;8:998-1007.
46. Ardehali H, Howard DL, Hariri A, Qasim A, Hare JM, Baughman KL, **Kasper EK**. A positive endomyocardial biopsy result for sarcoid is associated with poor prognosis in patients with initially unexplained cardiomyopathy. *Am Heart J*. 2005;150:459-463.
47. Rodriguez ER, Skojec DV, Tan CD, Zachary AA, **Kasper EK**, Conte JV, Baldwin WM. Antibody-mediated rejection in human cardiac allografts: Evaluation of immunoglobulins and complement activation products C4d and C3d as markers. *Am J Transplant*. 2005;5:2778-2785.

## **Publications**

### **Peer-reviewed original research: continued**

48. Spaeder J, Najjar SS, Gerstenblith G, Hefter G, Kern L, Palmer JG, Gottlieb SH, **Kasper EK**. Rapid titration of carvedilol in patients with congestive heart failure: a randomized trial of automated telemedicine versus frequent outpatient clinic visits. *Am Heart J* 2006;151:844.e1-10.
49. Kittleson MM, Bead V, Fradley M, St John ME, Champion HC, **Kasper EK**, Russell SD, Wittstein IS, Hare JM. Elevated uric acid levels predict allograft vasculopathy in cardiac transplant recipients. *J Heart Lung Transplant*. 2007 May;26 (5):498-503.
50. Kittleson MM, St John ME, Bead V, Champion HC, **Kasper EK**, Russell SD, Wittstein IS, Hare JM. Increased uric acid levels predict hemodynamic compromise in patients with heart failure independently of B-type natriuretic peptide levels. *Heart*. 2007;93:365-7.
51. Stevenson LW, Hellkamp AS, Leier CV, Sopko G, Koelling T, Warnica JW, Abraham WT, **Kasper EK**, Rogers JG, Califf RM, Schramm EE, O'Connor CM. Changing preferences for survival after hospitalization with advanced heart failure. *J Am Coll Cardiol*. 2008 Nov 18;52 (21):1702-8.
52. Heidecker B, **Kasper EK**, Wittstein IS, Champion HC, Breton E, Russell SD, Kittleson MM, Baughman KL, Hare JM. Transcriptomic biomarkers for individual risk assessment in new onset heart failure. *Circulation*. 2008 Jul 15; 118 (3):238-46.
53. Kittleson MM, Skojec DV, Wittstein IS, Judge DP, Barouch LA, Hare JM, **Kasper EK**, Russell SD. The Change in B-type peptide levels over time predicts significant rejection in cardiac transplant recipients. *J Heart Lung Transplant*. 2009;28:704-09.
54. Heidecker B, Lamirault G, **Kasper EK**, Wittstein IS, Champion HC, Breton E, Russell SD, Hall J, Kittleson MM, Baughman KL, Hare JM. The gene expression profile of patients with new-onset heart failure reveals important gender-specific differences. *Eur Heart J*. 2010;31:1188-96.
55. Farasat SM, Bolger DT, Shetty V, Menachery EP, Gerstenblith G, Kasper EK, Najjar SS. Effect of beta-blocker therapy on rehospitalization rates in women versus men with heart failure and preserved ejection fraction. *Am J Cardiol*.2010;105:229-43.
56. Heidecker B, Kittleson MM, **Kasper EK**, Wittstein IS, Champion HC, Russell SD, HRuban RH, Rodriguez ER, Baughman KL, Hare JM. Transcriptomic biomarkers for the accurate diagnosis of myocarditis. *Circulation*. 2011 Mar 22;123(11):1174-84
57. Silber HA, Trost JC, Johnston PV, Maughan WL, Wang NY, **Kasper EK**, Aversano TR, Bush DE. Finger Photoplethysmography During the Valsalva Maneuver Reflects Left Ventricular Filling Pressure. *Am J Physiol Heart Circ Physiol*. 2012 Mar 2.
58. Heidecker B, Kittleson MM, **Kasper EK**, Wittstein IS, Champion HC, Russell SD, Hruban RH, Rodriguez ER, Baughman KL, Hare JM. Transcriptomic biomarkers for the accurate diagnosis of myocarditis. *Circulation*. 2011 Mar 22;123(11):1174-84. doi:10.1161/CIRCULATIONAHA.110.002857. Epub 2011 Mar 7.
59. Parakh K, Kittleson MM, Heidecker B, Wittstein IS, Judge DP, Champion HC, Barouch LA, Baughman KL, Russell SD, **Kasper EK**, Sitammagari KK, Hare JM. The variable natural history of idiopathic dilated cardiomyopathy. *Isr Med Assoc J*. 2012 Nov; 14 (11): 666-71.
60. Krum H, Forbes A, Yallop J, Driscoll A, Croucher J, Chan B, Clark R, Davidson P, Huhn L, **Kasper EK**, Hunt D, Egan H, Stewart S, Piterman L, Tonkin A. Telephone Support to Rural and Remote Patients with Heart Failure: The Chronic Heart Failure Assessment by Telephone (CHAT) Study. *Cardiovasc Ther*. 2012 Oct 13. Doi: 10.1111/1755-5922. 12009.

## Publications

### Peer-reviewed original research: continued

61. Tampakakis E, Leary PJ, Selby VN, De Marco T, Cappola TP, Felker GM, Russell SD, **Kasper EK**, Tedford RJ. The diastolic pulmonary gradient does not predict survival in patients with pulmonary hypertension due to left heart disease. *JACC Heart Fail.* 2015 Jan;3(1):9-16. Doi: 10.1016/j.jchf.2014.07.010. Epub 2014 Nov12. PMID:25453535
62. Toerper MF, Flanagan E, Siddiqui S, Appelbaum J, **Kasper EK**, Levin S. Cardiac catheterization laboratory inpatient forecast tool: a prospective evaluation. *J Am Med Inform Assoc.* 2016 Apr;23(e1):e49-57. doi: 10.1093/jamia/ocv124. Epub 2015 Sep 5. PMID: 26342217
63. Valenta I, Antoniou A, Marashdeh W, Leucker T, **Kasper E**, Jones SR, Dannals RF, Solnes L, Pomper MG, Schindler TH. PET- measured longitudinal flow gradient correlates with invasive fractional flow reserve in CAD patients. *Eur Heart J Cardiovasc Imaging.* 2016 June 19. pii:jew116. (Epub ahead of print) PMID:27325812
64. Kruse MJ, Kovell L, **Kasper EK**, Pomper MG, Moller DR, Solnes L, Chen ES, Schindler TH. Myocardial Blood Flow and Inflammatory Cardiac Sarcoidosis *JACC Cardiovasc Imaging.* 2017 Feb;10(2):157-167. doi: 10.1016/j.jcmg.2016.09.023. Epub 2017 Jan 18. PMID: 281099203
65. Tampakakis E, Shah SJ, Borlaug BA, Leary PJ, Patel HH, Miller WL, Kelemen BW, Houston BA, Kolb TM, Damico R, Mathai SC, **Kasper EK**, Hassoun PM, Kass DA, Tedford RJ. Pulmonary Effective Arterial Elastance as a Measure of Right Ventricular Afterload and Its Prognostic Value in Pulmonary Hypertension Due to Left Heart Disease. *Circ Heart Fail.* 2018 Apr;11(4):e004436. doi: 10.1161/CIRCHEARTFAILURE.117.004436. PMID:29643065
66. Crawford TC, Okada DR, Magruder JT, Fraser C, Patel N, Houston BA, Whitman GJ, Mandal K, Zehr KJ, Higgins RS, Chen ES, Tandri H, **Kasper EK**, Tedford RJ, Russell SD, Gilotra NA. A Contemporary Analysis of Heart Transplantation and Bridge-to-Transplant Mechanical Circulatory Support Outcomes in Cardiac Sarcoidosis. *J Card Fail.* 2018 Jun;24(6):384-391. doi: 10.1016/j.cardfail.2018.02.009. Epub 2018 Mar 1. PMID:29482029
67. Garibaldi BT, Niessen T, Gelber AC, Clark B, Lee Y, Madrazo JA, Manesh RS, Apfel A, Lau BD, Liu G, Canzoniero JV, Sperati CJ, Yeh HC, Brotman DJ, Traill TA, Cayea D, Durso SC, Stewart RW, Corretti MC, **Kasper EK**, Desai SV. A novel bedside cardiopulmonary physical diagnosis curriculum for internal medicine postgraduate training. *BMC Med Educ.* 2017 Oct 6;17(1):182. doi: 10.1186/s12909-017-1020-2. PMID:28985729
68. Okada DR, Saad E, Wand AL, Griffin JM, **Kasper EK**, Chen EH, Chrispin J, Tandri H, Solnes LB, Gilotra NA. Effect of Corticosteroid Dose and Duration on 18-Fluorodeoxyglucose Positron Emission Tomography in Cardiac Sarcoidosis. *JACC Cardiovasc Imaging.* 2020 Jan 9. pii: S1936-878X(19)31184-2. doi: 10.1016/j.jcmg.2019.12.013. PMID: 31954655
69. Tampakakis E, Shah SJ, Borlaug BA, Leary PJ, Patel HH, Miller WL, Kelemen BW, Houston BA, Kolb TM, Damico R, Mathai SC, **Kasper EK**, Hassoun PM, Kass DA, Tedford RJ. Pulmonary Effective Arterial Elastance as a Measure of Right Ventricular Afterload and Its Prognostic Value in Pulmonary Hypertension Due to Left Heart Disease. *Circ Heart Fail.* 2018 Apr;11(4):e004436. doi: 10.1161/CIRCHEARTFAILURE.117.004436. PMID: 29643065
70. Crawford TC, Okada DR, Magruder JT, Fraser C, Patel N, Houston BA, Whitman GJ, Mandal K, Zehr KJ, Higgins RS, Chen ES, Tandri H, **Kasper EK**, Tedford RJ, Russell SD, Gilotra NA. A Contemporary Analysis of Heart Transplantation and Bridge-to-Transplant Mechanical Circulatory Support Outcomes in Cardiac Sarcoidosis. *J Card Fail.* 2018 Jun;24(6):384-391. doi: 10.1016/j.cardfail.2018.02.009. Epub 2018 Mar 1. PMID: 29482029

## **Publications**

### **Review articles and Guidelines:**

1. **Kasper EK**, Hruban RH, Baughman KL. Obesity related cardiomyopathy - A distinct entity. *Cardiology Board Review* 1993; 10:27-33.
2. **Kasper EK**, Rayburn BK. Controversies in CV pathology. *Cor notes* 1993; 8:4.
3. **Kasper EK**, Baughman KL. Underlying causes of dilated cardiomyopathy. *Cardiology Board Review* 1995; 12:24-26.
4. Day JD, Rayburn BK, Goodin PB, Baldwin WM, Lowenstein CJ, **Kasper EK**, Baughman KL, Baumgartner WA, Hutchins GM, Hruban RH. Cardiac Allograft Vasculopathy: The central pathogenetic role of ischemia induced endothelial cell injury. *Journal of Heart and Lung Transplantation. Journal of Heart Lung Transplant* 1995; 14:S142-S149.

### **Publications : Review articles and Guidelines: continued**

5. McCarthy RE, **Kasper EK**. A review of the amyloidosis that infiltrate the heart. *Clinical Cardiology*. 1998;21(8):547-552.
6. **Kasper EK**. Fifteen years of heart failure trials: Lessons learned the hard way. *Italian Heart Journal* 2000;1 Suppl 3:S108-109.
7. Ardehali H, **Kasper EK**, Baughman KL. Peripartum cardiomyopathy. *Minerva Cardioangiol*. 2003;51(1):41-8.
8. Baldwin WM, **Kasper EK**, Zachary AA, Wasowska BA, Rodriguez ER. Beyond c4d: other complement-related diagnostic approaches to antibody-mediated rejection. *Am J Transplant*. 2004;4:311-318.
9. Bilchick K, Henrikson C, Skojec D, **Kasper EK**, Blumenthal R. Treatment of hyperlipidemia in cardiac transplant recipients. *Am Heart J* 2004;148:200-10.
10. Ardehali H, **Kasper EK**, Baughman KL. Diagnostic approach to the patient with cardiomyopathy: whom to biopsy. *Am Heart J*. 2005 Jan;149(1):7-12.
11. Fleisher LA, Beckman JA, Brown KA, Calkins H, Chaikof E, Fleischmann KE, Freeman WK, Froehlich JB, **Kasper EK**, Kersten JR, Riegel B, Robb JF. ACC/AHA 2006 Guideline update on perioperative cardiovascular evaluation for noncardiac surgery: Focused on perioperative beta-blocker therapy. A report of the American College of Cardiology/American Heart Association task force on practice guidelines (writing committee to update the 2002 guidelines on perioperative cardiovascular evaluation for noncardiac surgery). *J Am Coll Cardiol* 2006;47:2343-55. And *Circulation* 2006;113:2662-74 and *Anesth Analg*. 2007;104:15-26.
12. Fleisher LA, Beckman JA, Brown KA, Calkins H, Chaikof E, Fleischmann KE, Freeman WK, Froehlich JB, **Kasper EK**, Kersten JR, Riegel B, Robb JF. ACC/AHA 2007 Guidelines on Perioperative Cardiovascular Evaluation and Care for Noncardiac Surgery: Executive Summary: A Report of the American College of Cardiology/American Heart Association Task Force on Practice Guidelines (Writing Committee to Revise the 2002 Guidelines of Perioperative Cardiovascular Evaluation of Noncardiac Surgery) Developed in Collaboration with the American Society of Echocardiography, American Society of Nuclear Cardiology, Heart Rhythm Society, Society of Cardiovascular Anesthesiologists, Society for Cardiovascular Angiography and Interventions, Society for Vascular Medicine and Biology, and Society for Vascular Surgery. *Circulation*. 2007; 116:1971-96 and *J Am Coll Cardiol*. 2007; 50:1707-32.

13. Fleisher LA, Beckman JA, Brown KA, Calkins H, Chaikof EL, Fleischmann KE, Freeman WK, Froehlich JB, **Kasper EK**, Kersten JR, Riegel B, Robb JF. 2009 ACCF/AHA focused update on perioperative beta blockade: a report of the American college of cardiology foundation/American heart association task force on practice guidelines. *Circulation*. 2009;120:2123-51. And *J Am Coll Cardiol*. 2009;54:2102-28.
14. Schlendorf KH, **Kasper EK**. Use of novel and conventional biomarkers for management of patients with heart failure. *Curr Treat Options Cardiovasc Med*. 2011 Dec;13(6):475-88.
15. Yancy CW, Jessup M, Bozkurt B, Butler J, Casey DE Jr, Drazner MH, Fonarow GC, Geraci SA, Horwich T, Januzzi JL, Johnson MR, **Kasper EK**, Levy WC, Masoudi FA, McBride PE, McMurray JJ, Mitchell JE, Peterson PN, Riegel B, Sam F, Stevenson LW, Tang WH, Tsai EJ, Wilkoff BL. 2013 ACCF/AHA Guideline for the Management of Heart Failure: A Report of the American College of Cardiology Foundation/American Heart Association Task Force on Practice Guidelines. *Circulation*. 2013 June 5;128(16):e240-327. doi:10.1161/CIR.0b013e31829e8776..
16. Yancy CW, Jessup M, Bozhurt B, Butler J, Casey DE Jr, Drazner MH, Fonarow GC, Geraci SA, Horwich T, Januzzi JL, Johnson MR, **Kasper EK**, Levy WC, Masoudi FA, McBride PE, McMurray JJ, Mitchell JE, Peterson PN, Riegel B, Sam F, Stevenson LW, Tang WH, Tsai EJ, Wilkoff BL. 2013 ACCF/AHA guideline for the management of heart failure: executive summary: a report of the American College of Cardiology Foundation/American Heart Association Task Force on practice guidelines. *Circulation*. 2013 June 5;128(16):1810-52. doi:10.1161/CIR.0b013e31829e8807.

#### **Editorials:**

1. Gheorghiadu M, **Kasper EK**. Treatment of Heart failure: A Managed Care Perspective. *The American J of Managed Care* 1998; 4: Supplement.

#### **Book Chapters:**

1. **Kasper EK**, Hruban RH, Baughman KL. Idiopathic dilated cardiomyopathy. In: Braunwald E, Abelmann WH, eds. *Atlas of heart diseases, Vol II, Cardiomyopathies, myocarditis, and pericardial disease*. Philadelphia: Current Medicine, 1995:3.2-3.18.
2. **Kasper EK**, Baughman KL. Complications of endomyocardial biopsy. In: Lutz J, eds. *Complications of interventional procedures*. New York: Igaku-Shoin, 1995: 72-79.
3. Day JD, Hutchins GM, Byrne BJ, Baumgartner WA, Baughman KL, **Kasper EK**, Hruban RH. Accelerated arteriosclerosis in heart transplant recipients. The central role of endothelial injury. In: Solez K, Racusen LC, Billingham M, eds. *Solid organ transplant rejection - mechanisms, pathology, and diagnosis*. New York: Marcel Dekker, 1995:107-136.
4. Baughman KL, **Kasper EK**, Herskowitz A. Myocardial and Pericardial Disease. In: Noble J, Greene HL, Levinson W, Modest GA, Young MJ, eds. *Textbook of Primary Care Medicine, 2nd Edition*. St. Louis: Mosby-Year, 1996:301-312.
5. Baughman KL, **Kasper EK**. Endomyocardial Biopsy. In: Uretsky BF, ed. *Cardiac Catheterization: Concepts, Techniques and Application*, Malden, MA: Blackwell Science, 1997:306.
6. Kelemen MD, **Kasper EK**, Cardiomyopathy and Cardiac Transplantation. In: Lima J. ed. *Diagnostic Imaging in Clinical Cardiology*. London: Martin Donitz, Ltd., 1998: 151-164.
7. Wittstein II, **Kasper EK**, Treatment of Acute Vascular Rejection in Cardiac Allografts. In: Dec GW, Narula J, Ballester M, Carrio I, ed. *Cardiac Allograft Rejection*. Norwell, Massachusetts: Kluwer Academic Publishers, 2001:267-284.

8. **Kasper EK**, Baughman KL. Myocardial and Pericardial Disease. In: Noble J, ed. *Textbook of Primary Care Medicine*. St Louis, MO: Mosby, 2001:615-623.
9. Field M, Chacko M, **Kasper EK**. Heart Failure. In: Cheng A, Zaas A, ed. *The Osler Medical Handbook*. Philadelphia, PA: Mosby, 2003:149-166.
10. **Kasper EK**. Congestive Heart Failure. In: Miller RG, Ashar BH, Sisson SD ed. *The Internal Medicine Board Review*. Philadelphia, PA: Mosby, 2004:35-39.
11. **Kasper EK**. Cardiomyopathies and Myocarditis. in Rosendorff C, ed. *Essential Cardiology, Principles and Practice – 2<sup>nd</sup> edition*. Totowa, NJ: Humana Press, 2005:641-651.
12. **Kasper EK**. Causes and evaluation for reversible etiologies of heart failure. In Baughman KL, Baumgartner WA ed. *Treatment of Advanced Heart Disease*. New York, NY: Taylor & Francis Group, 2006:23-35.

**Books:**

1. Editor: **Kasper EK**. *Heart Failure Evaluation and Care of Patients with Left Ventricular Systolic Dysfunction*. New York, New York: Chapman & Hall, 1997.
2. Editor: Baumgartner WA, Reitz B, **Kasper EK**, Theodore J. *Heart and Lung Transplantation, second edition*. New York, New York: W.B. Saunders Company, 2002
3. **Kasper EK**, Knudson M. *Living Well With Heart Failure, the Misnamed, Misunderstood Condition*. Baltimore, Maryland: Johns Hopkins University Press. 2010.

***Inventions, Patent, Copyrights***

U.S. patent number 7056289 issued on June 6, 2006 for an invention entitled “Method and System for Outpatient Monitoring. Inventors Gerstenblith G, **Kasper EK**, Gottlieb SH, Palmer JG, Spaeder J, Thorne PR.

***Extramural Sponsorship (current, pending, previous)***

***Grants – Previous***

*No current grants.*

*No pending grants*

1. 02/09/94-02/28/96.  
A 1 year, open label, multi center safety study of bid oral carvedilol in NYHA Class I-IV CHF.  
SmithKline Beecham.  
M941313  
Smith Kline Beecham,  
\$28,215  
Edward Kasper, MD. – local principal investigator
2. 2/1/95-1/31/96  
A randomized, multiple dose study of the chronic administration of Vesnarinone in heart failure.  
M951459  
Otsuka Pharmaceuticals.  
\$86,777  
Edward Kasper, MD. – local principal investigator
3. 08/31/95-10/24/96

- Randomized, double-blind, multi-center pilot safety study of the addition of ecadotril 50 to 400mg bid or placebo to the background of conventional therapy in patients with symptomatic congestive heart failure.  
M960646  
Bayer Pharmaceuticals.  
\$25,428  
Edward Kasper, MD. – local principal investigator.
4. 12/29/95-10/31/97  
A randomized, double-blind, placebo-controlled, multiple dose of the chronic administration of Vesnarinone in CHF.  
2294201  
Otsuka America Pharmaceuticals.  
\$47,179.00  
Edward Kasper, MD. – local principal investigator.
5. 5/05/97-3/31/98  
Mechanisms of Accelerated Graft Arteriosclerosis.  
NIH PO1-HL56091  
National Institute of Health Program Project Grant.  
\$985,543.00  
William Baldwin, M.D.– principal investigator  
2% - Director, Clinical Core
6. 10/01/97-03/31/98  
Inhibition of Metalloprotease by BMS-186716 in a randomized exercise and symptoms study in subjects with heart failure.  
M980539  
Bristol-Myers Squibb Pharmaceuticals. .  
\$34,545  
Edward Kasper, M.D. - local principal investigator
7. 12/01/97-11/30/98  
Excitation-contraction coupling in anoxic myocytes.  
RO1HL42050  
National Heart, Lung, & Blood Institute  
\$199,618.00  
Brian O' Rourke Ph.D – principal investigator  
5% - Heart Biopsies
8. 7/19/99-6/1/02  
Contribution of Energy Depletion to Human Heart Failure.  
RO1HL61912  
National Heart, Lung & Blood Institute  
\$261,453.00  
Robert Weiss, MD – principal investigator  
2% - Patient Recruitment.
9. 09/30/00-09/29/04  
Applied Genomics in Cardiopulmonary Disease.  
NIH PO1-HL 99-024.  
National Heart, Lung, & Blood Institute  
\$435,578.00  
Joseph Garcia, MD – principal investigator

- 5% - Patient Recruitment
10. 12/01/01-11/30/04  
The surgical treatment for ischemic heart failure.  
NIH UO1-HL 6905.  
Duke Clinical Research Institute  
\$147,012.00  
Robert Jones, MD – principal investigator  
2% - local principal investigator

## EDUCATIONAL ACTIVITIES

### *Teaching*

#### **Classroom instruction:**

Cardiovascular Pathophysiology, 1994-2004, 2 lectures and small group meetings yearly

Clinical Skills, Cardiac Auscultation, 1995-2003, 6 lectures yearly on cardiac auscultation

Rational Therapeutics – Congestive Heart Failure, 1998-2005, annual lecture

Cardiovascular Pathophysiology, 2005-2006, Co-Director with Richard Lange, MD

Cardiovascular Pathophysiology, 2007-2009, Director

Cardiovascular Section, Genes to Society, 2010-present, Co-Director with Thomas Traill

#### **Clinical instruction:**

Comprehensive Ambulatory Subspecialty Elective II, 1997-2003, Cardiology Section Director

Cardiac Auscultation rounds for Janeway Housestaff, 1993-2003, weekly

Janeway Firm Faculty, 1993-2006, 2009-present

Fellows Continuity Clinic Supervisor, Cardiology, 1993-present, 3 fellows per year.

#### **CME instruction:**

Johns Hopkins Annual Cardiology Update, 1999-2008, Course Director

Clinical and Research Aspect of Heart Failure at Johns Hopkins, 2003, Course Director

Cardiovascular Topics at Johns Hopkins, 1994-2016, annual lecture

Cardiovascular Topics at Johns Hopkins, 2008-2016, Course Director

Johns Hopkins Internal Medicine Board Review, 1998-2005, annual lecture

### ***Mentoring (pre- and post-doctoral)***

Advises (Cardiomyopathy & Heart Transplant Fellows who received clinical training under my direction):

Warren Rosenblum MD: Associate Professor of Medicine Columbia University

Randy Williams MD: CEO of Pharos Innovations

Rene Alvarez, MD: Professor of Medicine Temple University, Chief Heart Transplantation

Daniel Pauly MD, PhD: Professor of Medicine, Chief University of Missouri-Kansas City

Ilan Wittstein, MD: Associate Professor of Medicine Johns Hopkins School of Medicine

Daniel Judge, MD: Associate Professor of Medicine, Johns Hopkins School of Medicine

Samer Najjar, M.D: Director Heart Transplantation, Washington Hospital Center

G. Michael Felker, M.D: Professor of Medicine, Duke University Medical Center

Thomas Cappola, M.D: Professor of Medicine, Chief of Cardiology, Hospital of the University of Pennsylvania.

Patricia Chang, M.D.: Associate Professor of Medicine, Director Heart Failure, University of North Carolina Chapel Hill

Lili Barouch, MD: Associate Professor of Medicine, Johns Hopkins University School of Medicine.

### ***Editorial Activities***

Abstract reviewer; International Society for Heart & Lung Transplantation - 1995, American College of Cardiology - 2003, 2004, American Heart Association - 2003, 2004

Reviewer, American Journal of Cardiology, The Journal of Clinical Therapeutics, American Heart Journal, Journal of the American College of Cardiology, Journal of Cardiac Failure, Circulation, New England Journal of Medicine, Journal of Heart Lung Transplant.

## **CLINICAL ACTIVITIES**

### ***Certification***

Medical License:            Maryland:            D34884, 1987-present  
   Tennessee:            1991-1992.

Boards:                        National Board of Medical Examiners, 1985  
   American Board of Internal Medicine, 1989  
   American Board of Internal Medicine,  
   Cardiovascular Diseases, 1991, Recertification 2001, 2011

**Service Responsibilities** (specialty, role, time commitment)

Director, Cardiomyopathy & Heart Transplant Service, The Johns Hopkins Hospital, Time commitment 75%. 1993-2003.

Clinical Attending, Johns Hopkins Bayview Medical Center 2003-2008. 3 months CCU attending per year

Cardiac Biopsies and right heart catheterization 1993-2004. Approximately 250 per year.

Cardiac Consult Service, Progressive Cardiac Care Unit, and Cardiomyopathy and Heart Transplant Service. Johns Hopkins Hospital. 2009-present

Four clinics per week (each half a day) – two supervising fellows in addition to my own patients.

**ORGANIZATIONAL ACTIVITIES**

**Major Institutional Administrative appointments:**

Major Committees:

1987-1988	Intern Selection Committee,
1993-1999	Department of Medicine, The Johns Hopkins Hospital
2013 - Present	
1991-1992	Executive Committee, Vanderbilt University Medical Center, Transplant Center
1993-present	Fellowship Selection Committee, Johns Hopkins Cardiology
1994-1998	Ethics Committee, Johns Hopkins Hospital
1998- 2003	Executive Committee, Johns Hopkins Comprehensive Transplant Center
1999 - 2010	Medical School Admission Committee, Johns Hopkins School of Medicine
2002-2003	Length of Stay Committee, Department of Medicine, Johns Hopkins School of Medicine
2003-2008	Ambulatory Physicians Oversight Committee, Johns Hopkins Bayview Medical Center
2003-2008	Care Management Oversight Committee, Johns Hopkins Bayview Medical Center
2005	Pulmonary Chief Search Committee, Johns Hopkins Hospital
2013-2019	Office of Johns Hopkins Physicians Ambulatory Oversight Committee, Johns Hopkins Hospital
2015-2019	Education Policy and Curriculum Committee, Johns Hopkins School of Medicine

***Professional Societies:***

American College of Cardiology, Fellow, 1992-present.

Extramural Continuing Education Subcommittee, American College of Cardiology, 2001-2004.

Disease Management Task Force 2005-2007

Councilor, Maryland Chapter, American College of Cardiology, 1999- 2003

Governor-elect, Maryland Chapter, American College of Cardiology, 2002-2003

Governor, Maryland Chapter, American College of Cardiology, 2003-2006

Board of Governors, American College of Cardiology 2002-2006

International Society for Heart and Lung Transplantation, Member, 1991-2005.

United Network for Organ Sharing, Member, 1991-present.

Working Group of Transplant Cardiologists, Member, 1991-2005.

American Heart Association, Clinical Council, Member, 1995-present.

American Heart Association, Fellow, 2008 – present

Vice-Chair, Young Clinician's and Investigator's Committee 2005-2007

Chair, Young Clinician's and Investigator's Committee 2007-2009

Member at Large, Clinical Council AHA 2009-2014

Heart Failure Society of America, Member, 1997-2010.

Society of Geriatric Cardiology, Fellow, 1999- 2005

***Conference Organizer, Session Chair:***

Johns Hopkins Cardiology Division, 1999-2016, Annual Johns Hopkins Cardiology Update, Course Director

Johns Hopkins Cardiology Division, 2003, Clinical and Research Aspect of Heart Failure at Johns Hopkins, Course Director

American Heart Association Annual Scientific Meeting, 2003 - 2017, session moderator

American College of Cardiology Annual Scientific Meeting, 2004 - 2008, session moderator

International Society for Heart Lung Transplantation Annual Scientific Meeting, 1996. session moderator

***Advisory Committees, Review Groups:***

Organ Procurement Committee, Transplant Resource Center of Maryland, Baltimore, Maryland, 1993-1996

NIH Site Reviewer, General Clinical Research Center, November, 1996

Advisory Council to Improve Outcomes Nationwide in Heart Failure Preceptorship Committee, 1998

Board of Trustees, Transplant Resource Center of Maryland, Baltimore, Maryland, 1998-2002

Chairman - Data Safety and Monitoring Board, Vascular interaction with age in Acute Myocardial Infarction (VINTAGE MI) clinical trial. 2002-2004.

ACC/AHA Guideline Writing Committee for Preoperative Evaluation for Noncardiac Surgery 2005-2010

ACC White Paper Writing Committee for Cardiovascular Disease Management 2005

Maryland State Cardiac Data Advisory Committee. 2010-present

ACC/AHA Guideline Writing Committee for Heart Failure – 2010-2015

**RECOGNITION**

***Honors and Awards:***

- 1984 Scholar in Medicine, University of Connecticut School of Medicine
- 1987 The Daniel Baker, Jr. Memorial Award for Outstanding Patient Care, Department of Medicine, The Johns Hopkins Hospital
- 1988 American Heart Association Fellowship Grant, Maryland Affiliate
- 1992 President's Award for the best scientific paper, Southern Thoracic Surgical Association
- 1996 Visiting Professor, Saint Francis Hospital, Hartford, Connecticut
- 1997 Visiting Professor, Silesian Center of Heart Diseases, Zabrze, Poland
- 1999 Visiting Professor, National Heart Foundation, Melbourne, Australia
- 1999 Visiting Lecturer, King Edward Memorial Hospital, Hamilton, Bermuda
- 2000 Visiting Lecturer, University of Bologna, Bologna, Italy
- 2003 Visiting Professor, University of North Carolina at Chapel Hill
- 2014 Professors award for excellence in teaching. Pre-clinical sciences. Johns Hopkins School of Medicine

**INVITED LECTURES:**

- 1987 Thrombocytopenic Purpura. Topics in Internal Medicine, Johns Hopkins Hospital

- 1991 Ethical Considerations in Organ Transplantation. Tennessee Society of Internal Medicine Gatlinburg, Tennessee
- Physiology of the Cardiac Allograft. Medicine Grand Rounds, Vanderbilt University Medical Center
- Heart Transplantation. Congestive Heart Failure Symposium, Vanderbilt University Medical Center
- Rehabilitation of Patients with Left Ventricular Dysfunction. Tennessee Association of Cardiopulmonary Rehabilitation, Baptist Hospital Nashville, Tennessee
- 1992 Clinical Pathology Conference. Vanderbilt University Medical Center
- 1993 Heart Failure and Transplant Update: Implications for Cardiac Rehabilitation. Heart Health Program, Johns Hopkins Medical Institutions
- 1994 New Heart Failure Drugs. Advances in Cardiac Diagnosis and Treatment, Johns Hopkins Medical Institutions
- Alcoholic Cardiomyopathy. Medicine Grand Rounds, The Johns Hopkins Hospital
- Dilated Cardiomyopathy. Emergency Medicine Grand Rounds, The Johns Hopkins Hospital
- 1995 Cardiopulmonary Exercise Stress Testing. Advances in Cardiac Diagnosis and Treatment, Johns Hopkins Medical Institutions
- Promising Therapies for Heart Failure. United Resource Networks 4th Annual National Clinical Conference. Minneapolis, Minnesota
- Management of Hypertension following Cardiac Transplantation. Cardiovascular Seminar's 68th American Heart Association Meeting. Anaheim, California
- 1996 Outpatient Intensive Care Management of CHF. Advances in Cardiac Diagnosis and Treatment, Johns Hopkins Medical Institutions
- The Role of the Internist in Cardiac Transplantation. Grand Rounds, Saint Francis Health Center, Hartford, Connecticut
- The CHF Management Program at Johns Hopkins. National Managed Health Care Congress. Boston, Massachusetts
- 1996 Kyle Y. Swisher, JR., MD, Day of Cardiology. CHF-Delivery of Care and the Role of Disease Management, St. Agnes Hospital, Baltimore, Maryland
- Heart Failure Clinic. Merck & Company. Baltimore, Maryland
- CHF Management. National Managed Health Care Congress. Oakland, California
- 1997 CHF Management. Silesian Center for Heart Diseases. Zabzre, Poland
- Congestive Heart Failure. Grand Rounds, Suburban Hospital Bethesda, Maryland
- 1998 Treatment of Heart Failure Based on a New Understanding of Mechanics. Basic and Clinical Topics in Cardiovascular Disease. Baltimore, Maryland
- Heart Failure Management. Ninth Annual Update, Cardiology 1998, Medical Society of Delaware. Newark, Delaware

- Treatment of Heart Failure Based on New Mechanisms. Edna G. Kynett Memorial Foundation Lecture. Jefferson Medical College. Philadelphia, Pennsylvania
- Congestive Heart Failure. Johns Hopkins Internal Medicine Board Review Course.
- Grand Rounds. Suburban Hospital. Bethesda, Maryland
- Ground Rounds. St. Joseph Medical Center. Towson, Maryland
- 1999    Cardiomyopathy and Indications for Heart Transplantation. Sinai Hospital. Baltimore, Maryland
- Grand Rounds. Winchester Medical Center. Winchester, Virginia
- Grand Rounds. Greater Baltimore Medical Center. Baltimore, Maryland
- Congestive Heart Failure. Johns Hopkins Internal Medicine Board Review Course.
- Heart Failure. Heart Facts. Johns Hopkins Hospital. Baltimore, Maryland
- 15 Years of heart Failure Trials. Lessons Learned the Hard Way. Johns Hopkins Cardiology Update 1999. Sanibel Island, Florida. (Course Director)
- Grand Rounds. King Edward Memorial Hospital. Hamilton, Bermuda
- Heart Failure Trials. George Washington University Medical Center. Washington, D.C.
- Heart Failure Lessons. Basic and Clinical Topics in Cardiovascular Disease. Johns Hopkins Cardiology Division. Baltimore, MD
- Beta Blockers and ACE Inhibitors in Heart Failure. Grand Rounds. Greater Baltimore Medical Center, Baltimore, MD
- 2000    Grand Rounds. Johns Hopkins Hospital.
- Congestive Heart Failure. Johns Hopkins Internal Medicine Board Review Course.
- Heart failure trials. Acute Coronary Syndromes: Triage, Diagnosis, and Therapy – An Interdisciplinary Approach Using Laboratory Markers. Baltimore, MD.
- Heart Failure. 36<sup>th</sup> Annual Robert M. Jeresaty, M.D. Cardiovascular Symposium. Saint Francis Hospital, Hartford, Connecticut.
- Diastolic Dysfunction. What Is It and Can We Treat It? Johns Hopkins Cardiology Update 2000, Captiva Island, Florida. (Course director)
- Heart failure Trials. 1<sup>st</sup> Educational Meetings on Cardiovascular Diseases, Bologna, Italy
- Grand Rounds. Johns Hopkins Bayview Medical Center, Baltimore, Md.
- 2001    Grand Rounds, The Johns Hopkins Hospital.
- Surgical Management of Ischemic Cardiomyopathy. Basic and Clinical Topics in Cardiovascular Disease. Johns Hopkins Cardiology Division. Baltimore, MD
- Management of the Patient With Severe Heart Failure. Johns Hopkins Cardiology Update 2001. Captiva Island, Florida. (Course director).

- Surgical management of ischemic cardiomyopathy. Johns Hopkins Cardiology Update 2001. Captiva Island, Florida. (Course director).
- Treatment of Heart Failure Due To Diastolic Dysfunction. Controversies in Cardiology: Congestive Heart Failure. Eastern Virginia Medical School. Norfolk, Virginia.
- Congestive Heart Failure. Johns Hopkins Internal Medicine Board Review Course.
- 2001 Inflammatory Cardiomyopathy in Y2K. MCP Hahnemann University, Inflammation and Cardiovascular Diseases. Philadelphia, PA
- 2002 Grand Rounds, The Johns Hopkins Hospital
- Congestive Heart Failure. Johns Hopkins Internal Medicine Board Review Course
- What are the last resorts for a patient with severe heart failure? Palliative & supportive care in advanced heart failure. Consensus conference. Salt Lake City, Utah
- What's new in the recent AHA/ACC heart Failure guidelines. Johns Hopkins Cardiology Update 2002. Captiva Island, Fl. (Course Director)
- Management of severe heart failure. Basic and clinical topics in cardiovascular disease. Johns Hopkins. Baltimore, Md.
- Clinicopathologic Conference, The Johns Hopkins Hospital
- 2003 Congestive Heart Failure, Johns Hopkins Internal Medicine Board Review Course
- Taking the Idiopathic out of dilated cardiomyopathy. Basic and Clinical Topics in Cardiovascular Disease. Johns Hopkins Medical Institution.
- The Outpatient Management of Heart Failure. Johns Hopkins Cardiology Update 2003. Captiva Island, Fl.
- BNP for Diagnosis and Management. Johns Hopkins Cardiology Update 2003. Captiva Island, Fl.
- The Causes and Prognosis of Cardiomyopathy. Cardiology Grand Rounds. University of North Carolina at Chapel Hill
- 2004 What's New in Heart Failure? Cardiovascular Topics at Johns Hopkins. Baltimore, Md.
- Update Congestive Heart Failure – Comets and Charms. Topics in Clinical Medicine, Johns Hopkins Hospital, Baltimore, Maryland
- The Role of BNP in CHF Management. Current Topics in Geriatrics. Johns Hopkins Bayview Medical Center – Geriatrics Center. Towson, Maryland
- Prognosis in End-Stage Heart Disease. American Heart Association Annual Scientific Meeting. New Orleans, Louisiana.
- Heart Failure Management. Johns Hopkins Cardiology Update 2004. Marco Island, Florida
- Heart Failure Management – Options for the End-Stage Patient. Johns Hopkins Cardiology Update 2004. Marco Island, Florida

Congestive Heart Failure. Johns Hopkins Internal Medicine Board Review Course. Baltimore, Maryland.

Heart Failure. Johns Hopkins University/Harvard Medical School Primary Medicine Course, Washington DC.

2005 Hypertrophic Cardiomyopathy. Cardiovascular Topics at Johns Hopkins. Baltimore, Maryland

Debate: Regionalization is Good for Solid Organ Transplantation (Con). Johns Hopkins Department of Medicine Research Retreat. Baltimore, Maryland.

Congestive Heart Failure. Johns Hopkins Internal Medicine Board Review Course. Baltimore, Maryland.

2006 Heart Failure – What to Use and When. Cardiovascular Topics at Johns Hopkins. Baltimore, Maryland

I stopped keeping track in 2007.