

CURRICULUM VITAE

Adrian Bennet Van Bakel, M.D., Ph.D.

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Medical University of South Carolina
Department of Medicine: Cardiology
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ACADEMIC POSITIONS:

1998 - present Associate Professor of Medicine
Division of Cardiology
Medical University of South Carolina
Charleston, South Carolina

1991 - 1998 Assistant Professor of Medicine
Division of Cardiology
Medical University of South Carolina
Charleston, South Carolina

1991 - 1993 Director, Cardiac Ultrasound
VAMC, Charleston, SC

1991 - present Medical Director
Cardiac Transplant Program
Medical University of South Carolina

1995 - 2003 Medical Director
Congestive Heart Failure Clinic

EDUCATION:

1977 B.A. University of North Carolina at
Chapel Hill, Chapel Hill, North Carolina

1981 M.D. University of Louisville
Louisville, Kentucky

1983 Ph.D. University of Louisville
Louisville, Kentucky

POSTDOCTORAL TRAINING:

1983-1984	Intern in Medicine Medical University of South Carolina Charleston, South Carolina
1984-1985	Assistant Resident in Medicine Medical University of South Carolina Charleston, South Carolina
1985-1986	Senior Resident in Medicine Medical University of South Carolina Charleston, South Carolina
1986-1988	NIH Postdoctoral Research Fellow Department of Clinical Pharmacology Medical University of South Carolina Charleston, South Carolina
1988-1991	Clinical Fellow, Division of Cardiology Medical University of South Carolina Charleston, South Carolina
1991	Transplant Fellow, Division of Cardiology University of Utah Salt Lake City, Utah

LICENSE - CERTIFICATIONS:

1984	S.C. License # 12006
1991	Utah License # 91-1838987-1205
1985	American Board of Internal Medicine
1993	American Board of Internal Medicine Cardiovascular Diseases
2003	American Board of Internal Medicine Cardiovascular Diseases, Recertification

MEMBERSHIPS AND AWARDS:

Outstanding Clinician Award 2008
MUSC Foundation

Phi Kappa Phi Honor Society

Charleston County Medical Society

American Heart Association
Council on Clinical Cardiology

Fellow: American College of Physicians 1998

Fellow: American College of Cardiology 1995

International Society for Heart and Lung Transplantation
Heart Failure Council

Working Group of Transplant Cardiologists

Heart Failure Society of America

COMMITTEES:

Medical University of South Carolina:

Chairman, Cardiac Transplant Selection Committee

Member, MUSC Transplant Steering Committee

Chairman, MUSC Heart Failure Working Group

L. Burn and Associates Working Group on Congestive Heart Failure

Member, Transplant Focus PDCA Committee

Member, Transplant Information System Oversight Committee

South Carolina:

Member, Heart Failure Working Group of Carolina Medical Review

National:

Member, Cardiac Transplant Research Database Steering Committee
Database Subcommittee

INVITED LECTURES:

Patient with Diffuse Cardiac Allograft Vasculopathy
ISHLT Symposium: Cardiac Allograft Vasculopathy: Lessons Learned from
Clinical Experience
ISHLT 28th Annual Meeting and Scientific Sessions April 10, 2008.

Role of the Heart Failure Clinic Team: Illustrated by Case Discussions
Heart Failure Management 2007: Established Therapy and New Frontiers
Sponsored by UNC Schools of Medicine and Pharmacy
July 2007

When Does Cardiac Transplantation Become Necessary in Heart Failure?
Cardiology for the Primary Care Physician During Spoleto Festival 2007
May 30, 2007.

Update on the Management of Advanced Heart Failure
AnMed Medical Center Grand Rounds
March 22, 2007

Role of the Heart Failure Clinic Team: Illustrated by Case Discussions
Heart Failure Management 2006: Established Therapy and New Frontiers
Sponsored by UNC Schools of Medicine and Pharmacy
July 23, 2006

Who Needs Cardiac Transplantation?
Cardiology for the Primary Care Physician During Spoleto Festival USA, 2005
June 3, 2006

Update on the Management of Patients with Heart Failure
The New Drug Update
Sponsored by MUSC Department of Family Medicine
May 11, 2006

Diastolic Heart Failure: Recognition and Management
Heart Failure: Current Trends in the Diagnosis and Management
2nd Annual Symposium for APRNs and RNs
Sponsored by MUSC Heart Failure and Transplant Program and College of Nursing
May 5, 2006

Role of the Heart Failure Clinic Team: Illustrated by Case Discussions
Heart Failure Management 2005: Established Therapy and New Frontiers
Sponsored by UNC Schools of Medicine and Pharmacy
July 17, 2005

Who Needs Cardiac Transplantation?
Cardiology for the Primary Care Physician During Spoleto Festival USA, 2005

June 2, 2005

Referral for Heart Transplant: When and Why
Heart Failure: Current Trends in Diagnosis and Management
Sponsored by MUSC Heart Failure and Transplant Program and College of Nursing
April 22, 2005

Role of the Heart Failure Clinic Team: Illustrated by Case Discussions
Heart Failure Management 2004: Established Therapy and New Frontiers
Sponsored by UNC Schools of Medicine and Pharmacy
July 18, 2004

Management of Congestive Heart Failure: Current Guidelines
MED-U-WAY Lecture Series,
April 15, 2004

Medical Management of the Brain Dead Organ Donor
LifePoint Inc. Training Video
December 12, 2003

Management of Advanced Heart Failure
Spartanburg Regional Medical Center Heart Symposium
October 9, 2003
Heart Transplant-Update
Cardiology for the Primary Care Physician During Spoleto Festival USA, 2003
May 31, 2003

Medical Management of the Brain Dead Organ Donor
Surgical Grand Rounds, Palmetto Richland Memorial Hospital
March 28, 2003

Role of the Heart Failure Clinic Team: Illustrated by Case Discussions
Heart Failure Management 2002: Established Therapy and New Frontiers
Sponsored by UNC Schools of Medicine and Pharmacy
July 21, 2002

Management of Advanced Congestive Heart Failure
Anderson County Medical Society
March 12, 2002

Management of Congestive Heart Failure
South Carolina Academy of Family Physicians
53rd Annual Scientific Assembly
Hilton Head Island, SC
November 9, 2001

Heart Transplantation as Therapy for Advanced Congestive Heart Failure
Orangeburg Regional Medical Center Grand Rounds
Orangeburg, SC
October 20, 2001

Role of the Heart Failure Clinic Team: Illustrated by Case Discussions
Heart Failure Management 2001: Established Therapy and New Frontiers
Sponsored by UNC Schools of Medicine and Pharmacy
July 27, 2001

Maximizing the Use of Organs Recovered from the Cadaver Donor
Section on the Cardiac Donor
Sponsored by ASTS/AST
March 28-29, 2001

Immunosuppression Strategies in Heart Transplantation
Meet the Experts Panel
49th Annual Scientific Session
American College of Cardiology
March 14, 2000

Management of Advanced Heart Failure
Cardiology for the Primary Care Physician During Spoleto Festival USA, 1999
June 3, 1999

Initial Evaluation and Management of the Heart Failure Patient
Transplantation at MUSC, Stats, Facts and Selection Criteria
Course Co-Director
Current Trends in Congestive Heart Failure and Transplantation Symposium
Hilton Head Island, SC
September 13-14, 1997

Indications for Cardiac Transplantation
American College of Cardiology Extramural Program
Cardiology for the Primary Care Physician During Spoleto Festival USA, 1997
May 31, 1997

Cardiac Transplant Allograft Vascular Disease
Medicine Grand Rounds
Medical University of South Carolina
May 14, 1996

Evaluation of Patient with New Onset Heart Failure
South Carolina Affiliate American College of Cardiology
Scientific Program on Congestive Heart Failure
February 10, 1996

Cardiomyopathy and Congestive Heart Failure

Cardiothoracic Surgery Morning Lecture Series
September 18, 1995

Management of End-Stage Congestive Heart Failure
Thoracic Organ Transplant Nursing Inservice
August 7, 1995

Cardiac Transplantation/Steroid Withdrawal
University of North Carolina at Chapel Hill
Cardiology Fellows Conference
July 28, 1995

Management of End-Stage Congestive Heart Failure
Transplant Center Spring Symposium
April 14, 1994

PROFESSIONAL ACTIVITY:

Steering Committee: UNITY Impedance Monitoring IDE Study (St.Jude Medical)

Steering Committee: Cardiac Transplant Research Database (2007-

Manuscript Reviewer:

Circulation
Journal of Heart and Lung Transplantation
American Journal of the Medical Sciences
Journal of Cardiac Failure
American Journal of Transplantation

Abstract Grader:

American Heart Association
International Society for Heart and Lung Transplantation

Session Moderator: Congestive Heart Failure
15th Annual Joint Meeting
SC/NC Chapters, American College of Cardiology
September 27, 2008

Session Moderator: Valvular Disease in Heart Failure
12th Annual Scientific Meeting
Heart Failure Society of America
September 23, 2008

Session Moderator: Exercise Physiology/Testing: Exercise and Heart Failure
American Heart Association Scientific Sessions
November 8, 2004

Session Moderator: Advanced Heart Failure Management, Prognostication and Transplant Outcome
 24th Annual Meeting and Scientific Sessions
 International Society for Heart and Lung Transplantation
 April 23, 2004

Session Moderator: Dilated Cardiomyopathy: Insights into Prognosis
 45th Annual Scientific Session
 American College of Cardiology
 March 25, 1996

RESEARCH:

Principal Investigator:

A Multicenter, Randomized, Double-blind, Parallel Group, Active-controlled Study to Evaluate the Efficacy and Safety of Both Aliskiren Monotherapy and Aliskiren/Enalapril Combination Therapy Compared to Enalapril Monotherapy, on Morbidity and Mortality in Patients with Chronic Heart Failure (NYHA Class II-IV)
 Sponsor: Novartis

A Double-Blind, Placebo-Controlled, Randomized Trial Evaluating the Efficacy and Safety of Alagebrium (ALT-711) in Patients with Chronic Heart Failure (BENEFICIAL).
 Sponsor: Synvista

Treatment of Hyponatremia Based on Lixivaptan in NYHA Class III/IV Cardiac Patient Evaluation (BALANCE)
 Sponsor: Cardiokine Biopharma, LLC

Correlation of Intrathoracic Impedance Measures with Blood and Plasma Volumes in Congestive Heart Failure
 Sponsor: Medtronic, Inc.

Double-Blind, Placebo-Controlled, Multicenter Acute Study of Clinical Effectiveness of Nesiritide in Subjects with Decompensated Heart Failure ASCEND-HF Protocol A 093
 Sponsor: Scios, Inc.

Transplant-Eligible Patient Management for Congestive Heart Failure
 TMAC Protocol A 051
 Sponsor: Scios, Inc.

A 24 month, Multi-center Randomized, Open-label Non-inferiority Study of the Efficacy and Safety Comparing Two Exposures of Concentration-Controlled Certican with Reduced Neoral versus 3.0 g MMF with Standard Dose Neoral in de novo Heart Transplant Recipients RAD2310
 Sponsor: Novartis

A Double-blind, Randomized, Placebo-controlled, Multicenter Study to Assess the Efficacy and Safety of Darbopoetin Alfa Treatment on Mortality and Morbidity in Heart Failure (HF) Subjects with Symptomatic Left Ventricular Systolic Dysfunction and Anemia RED-HF

Sponsor: Amgen, Inc

A Multi-center, Randomized, Double-blind, Placebo-controlled Study of the Effects of KW-3902 Injectable Emulsion on Heart Failure Signs and Symptoms and Renal Function in Subjects with Acute Heart Failure Syndrome and Renal Impairment who are Hospitalized for Volume Overload and Require Intravenous Diuretic Therapy PROTECT

Sponsor: NovaCardia, Inc.

Medtronic Chronicle ICD Implantable Cardioverter Defibrillator Clinical Investigational Plan REDUCE-HF

Sponsor: Medtronic, Inc.

A Prospective, Open Label Study Evaluating Sirolimus Replacing CNI in a Standard Care Regimen of CNI, MMF, and Steroids in Heart Transplant Patients (Study MT18328, Heart STN)

Sponsor: Roche

Cardiac Transplant Research Database

Investigation of Current Clinical Patterns and Outcomes of Patients with Heart Failure

Sponsor: Unified Investigators to Evaluate Heart Failure (UNITE-HF)

CT Scan Correlation of Hemodynamic Zero-Point Reference to Various Anatomic Landmarks

Sponsor: none

Multicenter Trial of the Orqis Medical CRS for the Enhanced Treatment of CHF Unresponsive to Medical Therapy (MOMENTUM)

Sponsor: Orqis Medical Corporation

The Studies of Oral Enoximone Therapy in Advanced Heart Failure: A Phase III, Randomized, Double-blind, Multicenter, Parallel Group, Placebo-controlled Study of Oral Enoximone vs. Placebo in Advanced Chronic Heart Failure Subjects. (ESSENTIAL)

Sponsor: Myogen, Inc.

A Placebo Controlled Trial of BiDil to Standard Therapy in African-American Patients with Heart Failure (A-HeFT Trial)

Sponsor: NitroMed

A Prospective, Open-label, Single-arm, Forced Titration, Multicenter Study to Assess the Effects of Valsartan on Heart Rate Variability (HRV) in Patients with Chronic Heart Failure

Sponsor: Novartis Pharmaceuticals, Inc.

A Double-Blind, Placebo Controlled Randomized Study to Assess the Efficacy and Safety of Zenapax® in Combination with Cellcept®, Cyclosporine and Corticosteroids in Patients Undergoing Cardiac Transplantation

Sponsor: Roche Laboratories, Inc.

A Randomized, Double-Blind, Positive and Placebo-Controlled Multicenter, Dose-Ranging Study to Assess the Efficacy, Tolerability and Safety of SB 217242 in Patients with Stable NYHA Class II-III Congestive Heart Failure

Sponsor: SmithKline Beecham Pharmaceuticals

Mitral Valvular Repair/Replacement in Patients with Severe Left Ventricular Dysfunction (MIRACLE) Registry

A Double-Blind, Randomized, Placebo-Controlled Study to Assess the Effects of Ro 47-0203 (Bosentan) on the Clinical Status of Patients with Advanced Chronic Heart Failure and the Pharmacokinetics of Ro 47-0203 (Bosentan) (REACH-1)

Sponsor: Hoffman-LaRoche, Inc.

Beta-blocker Evaluation of Survival Trial (BEST)

Sponsor: NIH/VA Cooperative Studies

Prospective Randomized Amlodipine Survival Evaluation-2 (PRAISE-2)

A Randomized, Double-Blind, Dose-Titration, Parallel Group, Placebo-Controlled Study to Evaluate the Effect of Amlodipine on Survival in Patients with Congestive Heart Failure

Sponsor: Pfizer, Inc.

Co-Investigator:

A Multicenter, Double-Blind, Randomized, Placebo Controlled, Phase II-III Study of the Efficacy and Safety of Recombinant Human Tumor Necrosis Factor Receptor (p75) FcFusion Protein (TNFR:Fc) (etanercept) in Patients with Chronic Heart Failure (II-IV) (RENAISSANCE)

Sponsor: Immunex Corporation

A Phase 3 Open Label Titration Study of the Chronic Efficacy and Safety of OPC-18790 for the Treatment of Patients with Heart Failure

Sponsor: Otsuka American Pharmaceuticals, Inc

Vesnarinone Survival Trial (VEST)

A Randomized Multiple Dose Study of the Chronic Administration of Vesnarinone (OPC-8212) in Heart Failure

Sponsor: Otsuka America Pharmaceuticals, Inc.

Pentoxifylline in Cardiac Transplantation

Sponsor: none

PUBLICATIONS:

Goebel JA, Van Bakel AB, Rational use of diuretics in acute decompensated heart failure. *Current Heart Failure Reports* 2008 5:153-162.

Uber WE, Self SE, Van Bakel AB, Pereira NL Acute Antibody-Mediated Rejection Following Heart Transplantation. *Am J Transplantation* 2007;7: 2064-74.

Goodroe R. Bonnema DD. Lunsford S. Anderson P. Ryan-Baille B. Uber W. Ikonomidis J. Crumbley AJ. VanBakel A. Zile MR. Pereira N. Severe left ventricular hypertrophy 1 year after transplant predicts mortality in cardiac transplant recipients. *Journal of Heart & Lung Transplantation*. 2007 26(2):145-51.

Pereira NL, Zile MR, Harley RA, VanBakel AB. Myocardial Mechanisms Causing Congestive Heart Failure Early After Cardiac Transplantation. *Transplantation Proceedings* 2006 38(9):2999-3003.

Crumbley AJ, Odom S, Van Bakel AB, Pereira N, Ikonomidis JS, Bradley S, Shirali GS, Kratz JM, Sade RM, Uber W, Stroud MR, Crawford FA Cardiac Transplantation in South Carolina: 300 transplants. *J SC Med Assoc* 2006;102:5-10.

White-Williams C, Brown R, Kirklin J, St Clair K, Keck S, O'Donnell, Pitts D, Van Bakel A Improving clinical practice: should we give influenza vaccinations to heart transplant patients? *J Heart Lung Transplant* 2006; 25:320-3.

Konstam MA, Czerska B, Böhm M, Oren RM, Sadowski J, Khanal S, Abraham WT, Wasler A, Dahm JB, Gavazzi A, Gradinac S, Legrand V, Mohacsi P, Poelzl G, Radovancevic B, Van Bakel AB, Zile MR, Cabuay B, Bartus K, Jansen P: Continuous Aortic Flow Augmentation: A Pilot Study of Hemodynamic and Renal Responses to a Novel Percutaneous Intervention in Decompensated Heart Failure. *Circulation* 2005;112:3107-14.

Siachos T, VanBakel A, Feldman DS, Uber W, Simpson K, Pereira NL. Silent strokes in patients with heart failure. *J Cardiac Failure* 2005; 11:485-89.

Peura JL, Zile MR, Feldman DS, Van Bakel AB, McClure C, Uber W, Haynes H, Pereira NL. Effects of conversion from cyclosporine to tacrolimus on left ventricular structure and function in cardiac allograft recipients. *J Heart Lung Transplant* 2005; 24:1969-72.

Hershberger RE, Starling RC, Eisen HJ, Bergh CH, Kormos RL, Love RB, Van Bakel A. Gordon R, Papat R, Cockey L, Mamelok R.. Daclizumab to prevent rejection after cardiac transplantation.. *N Eng J Med* 2005; 352:2705-13.

Van Bakel AB, Pitzer S, Drake P, Kay NA, Stroud M, Sade R. Early hormonal therapy stabilizes hemodynamics during donor procurement. *Transplantation Proceedings* 2004; 36:2573-2578.

Uber WE, Uber LA, Van Bakel AB, Crumbley AJ, Pereira NL, Ikonomidis JS, Feldman DS. Outcomes of CD-3 monitoring with thymoglobulin therapy in cardiac transplantation. *Transplantation Proceedings* 2004; 36:3245-49.

Feldman DS, Ikonomidis JS, Uber WE, Van Bakel A, Pereira N, Crumbley AJ, Tann SM. Human B-natriuretic peptide improves hemodynamics and renal function in heart transplant patients immediately after surgery. *J Cardiac Failure* 2004; 10:292-296.

Zaroff JC, Rosengard BR, Armstrong WF, Babcock WD, D'Alessandro DA, Dec GW, Edwards NM, Jeevanandum V, Kauffman M, Kirklin JK, Large SR, Marelli D, Peterson TS, Ring WS, Robbins RC, Russell SD, Taylor DO, Van Bakel, A, Wallwork J, Young JD. Consensus Conference Report: Maximizing use of organs recovered from the cadaver donor: cardiac recommendations. *Circulation* 2002;106:836-841 and *J Heart Lung Transplant* 2002; 21:1153-1160.

Van Bakel AB, Chidsey G. Management of advanced heart failure. *Best of Clinical Cornerstone* 2002; 4:42-52.

Kingman A, Van Bakel AB. Myocarditis. *J SC Med Assoc* 2001; 97:421-423.

Sneed N, Paul S, Michele Y, Van Bakel A, Hendrix G. Evaluation of 3-quality of life measurement tools in patients with chronic heart failure. *Heart Lung* 2001; 30:332-340.

Van Bakel AB, Chidsey G. Management of advanced heart failure. *Clinical Cornerstone* 2000; 3:25-35.

Grady KL, White-Williams C, Naftel D, Costanzo MR, Pitts D, Rayburn B, Van Bakel A, Joski B, Bourge R, Kirklin J, for the Cardiac Transplant Research Database Group. Are preoperative obesity and cachexia risk factors for post heart transplant morbidity and mortality: A multiinstitutional study of preoperative weight-height indices. *J Heart Lung Transplant* 1999; 18:750-763.

Van Bakel AB. The cardiac transplant donor: Identification, assessment and management. *Am J Med Sci* 1997; 314:153-163.

Mills RM, Naftel DC, Kirklin JK, Van Bakel AB, Joski BE, Massin EK, Eisen HJ, Lee FA, Fishbein DP, Bourge RC, for the Cardiac Transplant Research Database Group. Heart transplant rejection with hemodynamic compromise: A multiinstitutional study of the role of endomyocardial cellular infiltrate. *J Heart Lung Transplant* 1997; 16:813-821.

Crumbley AJ III, Van Bakel AB, Handy JR, Hendrix GH, Wiles HB, Kratz JM, Sade RM, Stroud MR, Crawford FA Jr. Cardiac transplantation in South Carolina: The first 100 patients. *J SC Med Assoc* 1996; 92:485-492.

Crumbley AJ, Van Bakel AB. Tricuspid valve repair for biopsy induced tricuspid regurgitation following cardiac transplantation. *Ann Thorac Surg* 1994; 58 (4):1156-1160.

LeMense GP, Van Bakel AB, Judson MA, Crumbley AJ. Mycobacterium scrofulaceum infection presenting as lung nodules in a heart transplant recipient. *Chest* 1994; 106:1918-1920.

Truong DD, Szesni B, Fahn S, Gross J, Donovan K, Van Bakel A, and Wiley MK. Das neuroleptische maligne syndrome (dopaminabhängige maligne hyperthermie). *Der Nervenarzt* 1988; 59:103-109.

May DC, Jarobe CH, Van Bakel AB, Williams WM. Effects of cimetidine on caffeine disposition in smokers and nonsmokers. *Clin Pharmacol Ther* 1982; 31:656-661.

COOPERATIVE MULTICENTER PROJECTS

The Beta Blocker Evaluation of Survival Trial Investigators. A Trial of the beta blocker bucindolol in patients with advanced chronic heart failure. *New Eng J Med* 2001; 344:1659-1667.

Jaski BE, Kim JC, Naftel DC, Jarcho J, Costanzo MR, Eisen HJ, Kirklin JK, Bourge RC, for the Cardiac Transplant Research Database Research Group. Cardiac transplant outcome of patients supported on left ventricular assist device versus intravenous inotropic therapy. *J Heart Lung Transplant* 2001; 20:449-456.

Naftel DC, Pritzker MR, Heilman JK, III, Boehmer JP, Brozena SC, Dec GW, Ventura HO, Kirklin JK, Bourge RC, Miller LM, for the Cardiac Transplant Research Database Group. Heart transplant coronary artery disease detected by coronary angiography: A multiinstitutional study of preoperative donor and recipient risk factors. *J Heart Lung Transplant* 1998; 17:744-753.

McGriffin DC, Naftel DC, Spann JL, Kirklin JK, Young JB, Bourge RC, Mills RM, for the Cardiac Transplant Research Database Group. Risk of death or incapacitation after heart transplantation, with particular reference to pilots. *J Heart Lung Transplant* 1998; 17:497-504.

Johnson MR, Naftel DC, Hobbs RE, Kobashigawa JA, Pitts DE, Levine TB, Tolman D, Bhat G, Kirkland JK, Bourge RC for the Cardiac Transplant Research Database Group. The incremental risk of female sex in heart transplantation: a multiinstitutional study of peripartum cardiomyopathy and pregnancy. *J Heart Lung Transplant* 1997; 16:801-812.

Smart FH, Naftel DC, Costanzo-Nordin M, Levine TB, Pelletier GB, Yancy CS, Hobbs RE, Kirklin JK, Bourge RC for the Cardiac Transplant Research Database Group. Risk factors for early, cumulative, and fatal infections after heart transplantation: A multiinstitutional study. *J Heart Lung Transplant* 1996; 15:329-341.

Kubo SH, Naftel DC, Mills RM, O'Donnell J, Rodeheffer RJ, Cintron GB, Kenzora JL, Bourge RC, Kirklin JK for the Cardiac Transplant Research Database Group. Who is at risk for late recurrent rejection after cardiac transplantation? A multiinstitutional, multivariable analysis. *J Heart Lung Transplant* 1995; 14:409-418.

BOOK CHAPTERS:

Van Bakel AB, Meyer R. Congestive heart failure: Systolic dysfunction. In: *Primary care management of heart disease*, Taylor, GJ (ed), Mosby 1999;pp 259-76

O'Marro SD, Van Bakel AB. Infections in patients with heart disease. In: *Primary care management of heart disease*, Taylor, GJ (ed), Mosby 1999;pp 456-63

ABSTRACTS:

Van Bakel AB, Brown RN, Hess M, Heroux A, Nikolaidis LA, Oliveri M-T, Law K, Naftel DC. Risk factors for early transplant mortality, predictive modeling and their relation to institutional outcomes in the modern era. *J Heart Lung Transplant* 2009;28(2S) S196.

Stehlik J, Feldman DS, Brown RN, Van Bakel AB, Russell SD, Ewald G, Hagan ME, Folsom J, Kirkland JK. Impact of interaction of donor characteristics on post transplant survival: a multiinstitutional analysis. *J Heart Lung Transplant* 2008;24(2S) S121.

Thompson MR, Nappi J, Dunn SP, Rodgers JE, Van Bakel AB, Continuous infusion furosemide in acute decompensated heart failure. *J Card Failure* 2007;13(Suppl 2):S185.

Bunting T, Patel C, Law K, Van Bakel A, Uber W, Xuyang Z, Woolson R, Pereira N. Hyperhomocysteinemia is associated with poor prognostic markers in patients with advanced heart failure undergoing heart transplant evaluation. American Heart Association, 7th Scientific Forum on Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke, Washington, DC, May 7-9, 2006.

Moazami N, Brown RN, Kirklin JK, Aaronson K, Van Bakel AB, Lewis N, Feldman DS, Oren R, Krull J Effects of high-potassium heart transplant preservation solutions on the development of cardiac allograft vasculopathy: a multi-institutional investigation. *J Heart Lung Transplant* 2006; 24(2S):S116.

Goodroe R, Padgett S, Anderson P, Ryan-Baille B, Uber W, Ikonomidis J, Crumbley AJ, Van Bakel A, Zile M, Pereira NL. Severe Left Ventricular Hypertrophy Predicts Mortality in Heart Transplant Recipients. *J Heart Lung Transplant* 2006;25(2S):S46

White-Williams C, Brown R, Kirklin J, St. Clair K, Keck S, O'Donnell J, Pitts D, Van Bakel A. Improving clinical practice: Should we give influenza vaccinations to heart transplant patients? *J. Heart Lung Trans* 2005; 24(2S):S115-16.

Zile M, Oren R, Bohm M, Sadowski J, Van Bakel A, Czarska B, Abraham W, Wasler A, Cabuay B, Bartus K, Konstam M. Continuous aortic flow augmentation using the Orqis® Cancion® CRS™ therapy in patients with severe heart failure: Determinants of the hemodynamic response. *J Heart Lung Transplant* 2005;24(2S):S148-49.

Czerska B, Oren R, Bohm M, Sadowski J, Van Bakel A, Abraham W, Wasler A, Cabuay B, Khanal S, Bartus K, Zile M, Konstam M. Clinical results with the Orqis® Medical Cancion® CRS™ therapy. *J Heart Lung Transplant* 2005;24(2S):S67.

Zile M, Oren R, Bohm M, Sadowski J, Van Bakel A, Czerska B, Abraham W, Wasler A, Khanal S, Cabuay B, Bartus K, Konstam M. Continuous aortic flow using the Orqis® Cancion® CRS™ Therapy in patients with severe heart failure: Determinants of the hemodynamic response. *J Am Coll Cardiol* 2005;185A-186A.

Oren R, Czerska B, Bohm M, Sadowski J, Van Bakel A, Abraham W, Wasler A, Cabuay B, Khanal S, Bartus K, Zile M, Konstam M. Cancion® Cardiac Recovery System: Effects of renal, echographic, and health status parameters during and following treatment with a novel, minimally invasive approach to cardio-renal support in severe heart failure. *Circulation Suppl* 3 2004;110(17).

Czerska B, Oren R, Bohm M, Sadowski J, Van Bakel A, Abraham W, Wasler A, Cabuay B, Khanal S, Bartus K, Zile M, Konstam M. Clinical results with the Orqis® Medical Cancion® CRS™ system. Presented: Heart Failure and Rotary Pump Summit 2004

Khanal S, Czerska B, Oren R, Bohm M, Sadowski J, Van Bakel A, Abraham W, Wasler A, Cabuay B, Bartus K, Zile M, Konstam M. Orqis® Cancion® Cardiac Recovery System: A novel minimally invasive device to treat acute severe heart failure – initial safety and efficacy report. Presented: Transcatheter Cardiovascular Therapeutics 16th Annual Scientific Symposium 2004

Chiaramida S, Sun Y, Zile M, Pereira N, Nielsen C, Van Bakel A, Meyer D, Konstam M. Comparison of patient data to computer simulation in an arterial cardiac assist device therapy of CHF suggests delayed recruited benefit in addition to immediate direct hemodynamic benefit. *J Card Fail (Supp)* 2004;10(4):S39.

Oren R, Czerska B, Bohm M, Sadowski J, Van Bakel A, Abraham W, Wasler A, Cabuay B, Khanal S, Bartus K, Zile M, Konstam M. Cancion® Cardiac Recovery System: Effects on renal, echocardiographic, and health status parameters during and following treatment with a novel, minimally invasive approach to cardio-renal support in severe acute heart failure. *J Card Fail (Supp)* 2004;10(4):S64.

Czerska B, Oren R, Bohm M, Sadowski J, Van Bakel A, Abraham W, Wasler A, Khanal S, Cabuay B, Bartus K, Zile M, Konstam M. Orqis® Cancion® Cardiac Recovery System: Hemodynamic effects of a novel minimally invasive approach to cardio-renal support in severe acute heart failure. *J Card Fail (Supp)* 2004;10(4):S22-3.

Czerska B, Van Bakel A, Oren R, Abraham W, Bourge R, Zile M, Konstam M. Cancion® Cardiac Recovery System in severe heart failure: Initial U.S. results of acute and sustained hemodynamic and clinical impact. *European Journal of Heart Failure* 2004;3:

Chiaramida S, Pereira N, Zile M, Nielsen C, Van Bakel A, Meyer D, Sun Y. Modeling and

prediction of acute hemodynamic effects of an arterial assist device.
J Am Coll Cardiol Suppl A 2004;43(5):404A.

Zile M, Oren R, Van Bakel A, Mohasci P, Bohm M, Hammer B, Gradinac S, Sadowski J, Bartus K, Wasler A, Konstam M. Cancion® *Cardiac Recovery System*: Hemodynamic and renal effects.
J Am Coll Cardiol Suppl A 2004;43(5):190A-191A.

Van Bakel AB, Pitzer S, Drake P, Kay NA, Sade R. Hormonal therapy stabilizes hemodynamics during donor procurement.
 Presented: International Society for Heart and Lung Transplantation 23rd Annual Meeting and Scientific Sessions, April 9-12, 2003; Vienna, Austria

Uber WE, Padgett SL, VanBakel AB, Crumbley AJ, Feldman DS, Ikonomidis JS, Simpson KN, Pereira NL. Predictors and outcomes of acute humoral rejection treated with plasmapheresis in heart transplant recipients.
 Presented: International Society for Heart and Lung Transplantation 23rd Annual Meeting and Scientific Sessions, April 9-12, 2003; Vienna, Austria

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