

# CURRICULUM VITAE

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## Clinic Contact Information

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## **Education**

- 1996, B.S., Environmental Engineering, University of Illinois at Urbana-Champaign
- 2000, M.D., Vanderbilt University School of Medicine
- 7/2000-7/2003, Internal Medicine Residency, University of Colorado Denver (UCD) School of Medicine
- 7/2006-6/2009, Primary Care Research Fellowship funded by the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services, including Certificate in Public Health from UCD School of Public Health (18 hours coursework)
- 7/2009-6/2011, Colorado Clinical and Translational Sciences Institute (CCTSI) Clinical Faculty Scholars Program

## **Board Certification and Medical Licensure**

- American Board Internal Medicine certified through 12/31/2013
- Valid Colorado state medical license and DEA license

## **Awards and Honors**

- University Hospital "Inspired Kindness" Award
- CCTSI KL2 career development funding, awarded competitively (funding for 2011-2014)

- UCD Center for Women's Health Junior Investigator Award, awarded competitively (2008)
- Travel Award to 5<sup>th</sup> Annual Meharry-Vanderbilt Alliance National Health Disparities Conference, awarded competitively (2007)
- UCD Center for Women's Health Jacqueline Marie Leaffer Travel Award to 67<sup>th</sup> Annual American Diabetes Association Scientific Sessions, awarded competitively (2006)
- Outstanding Instructor Award – University of Colorado Internal Medicine Residency Program (2001-2002)
- Dean's Award, 2000 (awarded to one graduating Vanderbilt medical student for leadership and community service)
- Vanderbilt Medical School Class President (1998-1999)
- Ira O. Baker Award, 1996 (awarded to the top University of Illinois senior undergraduate student majoring in Environmental Engineering)

### **Academic Appointments**

- Instructor, Division of Internal Medicine 7/2003-7/2004
- Assistant Professor, Division of Internal Medicine 7/2004-present

### **National Committees**

- 2008 U.S. Department of Health and Human Services Physical Activity Guidelines Advisory Committee: Physical Activity in prevention of Metabolic Disease sub-committee member
- 2008-2009 68<sup>th</sup> and 69<sup>th</sup> American Diabetes Association Scientific Sessions Program Planning: Integrated Physiology Subcommittee member

### **Review Committees**

- Diabetic Medicine journal (2009-present)
- "Clinical Vignettes" submissions, Society of General Internal Medicine annual meeting (2010)

### **University Committees**

- General Internal Medicine Productivity Committee (from 2004-2005, developed instrument for measuring faculty clinical financial productivity as compared to the national benchmark and their salary/benefits)
- Department of Medicine Intern Selection Committee (2008- present)

### **University Activities**

- Interviewed applicants for Internal Medicine Residency (2004-05, 2007-present)

## **Memberships in Professional Societies**

- Society of General Internal Medicine (2003- present)
- American College of Physicians (2003- present)
- American Diabetes Association (2006- present)

## **Teaching (by category)**

### **Students**

- “Hypertension”, 2005-2010. 41 Physician Assistant students
- “Endocarditis”, 2005-2006, 2008-2010. 41 Physician Assistant students

### **Housestaff**

- “Dyspepsia”, September/November 2003. 20 Internal Medicine residents in resident clinics
- “Introduction to Medical Billing”, July/August 2004, August 2005/February 2006, July 2006. 20 Internal Medicine residents in resident clinics
- “Thyroid Disease”, December 2004/January 2005. 20 Internal Medicine residents in resident clinics
- “Office Management I”, 2004-2010. 10 Primary Care Track Internal Medicine interns
- “Office Management II”, 2004-2010. 10 Primary Care Track Internal Medicine residents
- “Office Management III”, 2005-2010. 10 Primary Care Track Internal Medicine residents
- “Medical Errors”, 2005 and 2007. 10 Primary Care Track Internal Medicine residents
- “Esophageal Reflux”, February/March 2006. 20 Internal Medicine residents in resident clinics
- “Metabolic Syndrome”, October 2007. 10 Internal Medicine residents in resident clinic

- “Transient Ischemic Attack”, 2010. Internal medicine resident clinic

### **Fellows**

- “Outpatient Billing in Geriatrics”, March 2007. 2 Geriatric Medicine fellows and 1 Geriatric faculty member

### **Faculty**

- “Outpatient dermatology and procedural billing issues”, Spring 2005, Spring 2008. 7-8 GIM faculty
- “Bare Necessities for Level 4 outpatient visits”, Summer 2005. 8 GIM Faculty
- “Bare Necessities for Level 5 outpatient visits”, Fall 2005. 6 GIM Faculty
- “Allscripts EMR Billing Overview”, Winter 2006. 11 GIM Faculty
- “Faculty Outpatient Billing Orientation”, July-September 2006, 5 GIM Faculty
- “Billing issues with EKGs, Medicare Smoking Cessation Counseling”, September 2006. 5 GIM Faculty
- “Introduction to Medicare’s Payments for Quality Reporting Initiative (PQRI)”, July 2007, April 2008. 8-12 GIM Faculty
- “Billing annual physicals: Preventive vs. Level 5”, Fall 2008. 15 GIM faculty

### **Current Research Interests**

- Barriers to exercise in type 2 Diabetes
- Partnering with community groups to increase physical activity in those with type 2 diabetes

### **Grant Funding**

1) Agency: University of Colorado Primary Care Research Unit  
 Title: “Types of anti-hypertensive medications prescribed for older Americans”  
 Role: Principal Investigator (Grant funds covered Professional Research Analyst to perform statistical analysis on National Ambulatory Medical Care Survey (NAMCS) NAMCS dataset)  
 Funded April 2002

2) Agency: University of Colorado General Internal Medicine divisional small grant

Title: "Do persons with type 2 diabetes mellitus find that it is harder to exercise? perceptions of exercise intensity as compared with objective physiologic workload in T2DM and control subjects"

Role: Principal Investigator (Total grant funds: \$5870 for 1 year)

Funded January 2007

3) Agencies: University of Colorado Center for Women's Health Junior Investigator Award, UCD General Internal Medicine divisional small grant, Eugene C. and Florence Armstrong Family Foundation)

Title: "Exercise-related Perceived Rate of Exertion at Steady-State workloads (ExPRESS) in Type 2 Diabetes Mellitus

Role: Principal Investigator (Total grant funds: \$25,000 from Center for Women's Health, \$15,000 from divisional small grant, \$10,000 from Eugene C. and Florence Armstrong Family Foundation)

4) Agency: NIH NIDDK Extramural Loan Repayment Program for Clinical Research

Dates of award: 7/1/2009-6/30/2011

Goals of award: To recruit and retain highly qualified health professionals as clinical investigators

5) Agency: University of Colorado General Internal Medicine divisional small grant

Title: "Are Barriers to Physical Activity different in Adults with Diabetes?"

Dates of award: 8/17/2009 – 7/31/2010

Role: Principal Investigator

Goals of project: 1) To determine differences in usual physical activity between those with diabetes as compared to those without diabetes. 2) To determine differences in perceived barriers to physical activity in men and women with diabetes as compared to non-diabetic controls.

6) Agency and Project #: American Diabetes Association, 1-08-CR-52

Title: "Influence of Endothelial Function on Central vs. Peripheral Causes of Exercise Impairment in Type 2 Diabetes"

Dates of award: 1/01/2008-12/31/2011

Role: Co-investigator, 20% effort

Goals of project: Determine the causes of the exercise impairment in Type 2 diabetes and evaluate the role of endothelial function as an overarching cause of the impairments. Examine the role of gender differences in this effort.

7) Agency: Novartis Pharmaceuticals Corporation

Title: "Patient-centered Medical Home approach to overcome clinical inertia in the treatment of patients with poorly-controlled hypertension"

Dates of award: 10/01/2009-1/31/2011

Role: Principal Investigator, 35% effort from 7/1/2010 to 1/31/2011

Goals of project: In a study population with uncontrolled blood pressure readings, participants were randomized to a patient-centered medical home intervention to facilitate primary care clinic visits vs. usual care. Our key study outcomes are change in blood pressure and clinical inertia.

8) Agency: Colorado Clinical & Translational Sciences Institute KL2 Research Scholar Program

Title: "Objective and Subjective mediators of Perceived Exercise Effort in Type 2 Diabetes –Barriers to Physical Activity"

Dates of award: 09/30/2011 – 09/29/2014

Role: Principal Investigator, 75% effort protected for research and training activities during KL2 award timeframe, 40% effort for proposed KL2 scientific study

Goals of project: To identify potential behavioral and physiological mediators of perceived exercise effort (measured by Borg Rating of Perceived Exertion) in people with Type 2 Diabetes.

## **Bibliography**

### **a. Peer-reviewed Articles**

1. **Huebschmann AG**, Reis EN, Emsermann C, Dickinson LM, Reusch JEB, Regensteiner JG. Women with Type 2 Diabetes Perceive Greater Effort during Exercise than nondiabetic women. *Applied Journal of Physiology, Nutrition, and Metabolism*. 34(5):851-857, 2009. PMID: 19935846.
2. **Huebschmann AG**, Regensteiner JG, Kohrt W: Accelerated Vascular Aging effects of Type 2 Diabetes. *Vascular Medicine*. 2010 (in press). PMID: pending
3. Physical Activity Guidelines Advisory Committee. *Physical Activity Guidelines Advisory Committee Report, 2008*. U.S. Department of Health and Human Services, Washington DC. 2008.
4. Libby AM, Pace W, Anderson HO, Bryan C, Ellis S, Allen RR, Brandt E, **Huebschmann AG**, West D, Valuck RJ. Comparative Effectiveness Research in DARTNet Primary Care Practices: Point of Care Data Collection on Hypoglycemia and Over-the-Counter and Herbal Use among Patients Diagnosed with Diabetes. *Medical Care*. 48(6):S1-S6, 2010. PMID: 20473193
5. **Huebschmann AG**, Regensteiner JG: Diabetes Mellitus and Exercise Physiology in the presence of diabetic co-morbidities. in: Regensteiner JG. Diabetes and Exercise. Totowa, NJ. Humana. 2009.
6. Braun PA, **Huebschmann AG**, Kim CA, Lezotte DC, Shupe A, Dabelea D. Effect of Maternal Birthplace on Gestational Diabetes Prevalence in Hispanic

Women in Colorado. *Journal of Immigrant and Minority Health*. 2010 Jul 18. PMID: 20640918

7. **Huebschmann AG**, Regensteiner JG, Reusch JEB, Vlassara H. Diabetes and Advanced Glycoxidation End Products. *Diabetes Care*. 29(6):1420-32, 2006. PMID: 16732039.
8. Lee, RS, Melhado TV, Chacko KM, White KJ, **Huebschmann AG**, Crane LA: The Dilemma of Disclosure: Patient perspectives on gay and lesbian providers. *Journal of General Internal Medicine*. 23(2):142-7, 2008. PMID: 18043983
9. **Huebschmann AG**, Bublitz C, Anderson R. Are elderly hypertensive patients treated differently? *Clinical Interventions in Aging*. 1(3):289-294, 2006. PMID: 18046883

#### **b. Book chapters**

- **Huebschmann AG**, Regensteiner JG: Diabetes Mellitus and Exercise Physiology in the presence of diabetic co-morbidities. in: Regensteiner JG. Diabetes and Exercise. Totowa, NJ. Humana. 2009

#### **c. Abstracts**

##### **Oral Presentation**

- **Huebschmann AG**, Braun PA, Kim CA, Lezotte DC, Shupe A, Dabelea D. "The Effect of Maternal Birthplace on Gestational Diabetes Risk in Pregnant Hispanic Women in Colorado." 26<sup>th</sup> Annual Epidemiologic Research Exchange, University of Colorado Denver, April 11, 2008.

##### **Poster Presentations**

- **Huebschmann AG**, Bauer TA, Kahler EN, Dickinson LM, Emsermann C, Reusch JEB, Regensteiner, JG. "Women with Type 2 Diabetes Perceive low intensity exercise as a Greater Effort than non-diabetic overweight and normal weight controls" 5<sup>th</sup> Annual National Disparities Conference – "Diabetes Health Disparities: Determinants, Prevention, Treatment, and Policy", Nashville, TN, Nov 12-13, 2007.
- **Huebschmann AG**, Bauer TA, Dickinson LM, Emsermann C, Reusch JEB, Regensteiner JG. Perceptions of Exercise Difficulty Compared with Objective Work Intensity in Subjects with Type 2 Diabetes vs. Non-Diabetic Overweight and Lean Subjects. *Diabetes*. 56 Supp 1:2517-PO, 2007.

- **Huebschmann A**, Bublitz C, Anderson R: “Are elderly hypertensive patients treated differently?” SGIM Annual Meeting, Vancouver, British Columbia, April 30-May 3,2003.
- **Huebschmann A**, Bublitz C, Anderson R: “Are beta-blockers under-used in African-American hypertensive patients?” SGIM Annual Meeting, Vancouver, Canada, April 30-May 3, 2003.

#### **D. Research Presentations**

- Huebschmann AG: “Relationship between physical activity and microvascular diabetic complications (Prevention, Treatment, and Safety)” UCD Endocrine Division Research Conference, March 2008.
- Huebschmann AG: “Do diabetic women feel it is harder to exercise than non-diabetic women?” UCD Division of General Internal Medicine-divisional rounds, June 2007.
- Huebschmann AG: “Advanced Glycooxidation End Products in Diabetes Mellitus – Bad Actors generated by a Western diet, diabetes, and aging” UCDH Department of Medicine Grand Rounds, October 2006.
- Huebschmann AG: “Hypertension Review for the General Internist” UCD Division of General Internal Medicine- divisional rounds, August 2004.

#### **E. Online Publication**

- **Huebschmann AG**. “Clinical Epidemiology”, Required Online Module for all Internal Medicine Fellows. Published internally for the Department of Medicine, University of Colorado Denver School of Medicine, 2008.

#### **F. Research Mentees**

- 2007-2008: Erin Kahler, MD, Internal Medicine resident, Mentored diabetes research resulting in her receipt of the Johns Hopkins Neil R. Powe GIM Housestaff Research Award (12/2007)
- 2010-2011: Rachael Dirksen, MD, Internal Medicine resident, Mentored SGIM Clinical Vignette submission on contraception counseling in perimenopausal women

#### **References**

Available on request