

Geoffrey D Barnes

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CURRICULUM VITAE

Geoffrey D Barnes, M.D., M.Sc., FACC, RPVI
 Clinical Lecturer, Cardiovascular Medicine and Vascular Medicine
 Department of Internal Medicine, Division of Cardiovascular Medicine
 University of Michigan Health System
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Education and Training

9/99 – 5/03	Washington University in St. Louis, St. Louis, MO	B.S.
9/03 – 5/07	University of Michigan Medical School, Ann Arbor, MI	M.D.
7/14 – 5/15	University of Michigan, Ann Arbor, MI	M.Sc.

Postdoctoral Training

6/07 – 6/10	Intern and Resident in Internal Medicine, University of Michigan Health System, University of Michigan Medical School, Ann Arbor, MI
7/10 – 6/11	Chief Medical Resident, Department of Internal Medicine, University of Michigan Health System, University of Michigan Medical School, Ann Arbor, MI
7/11 – 6/14	Cardiology Fellow, University of Michigan Health System, University of Michigan Medical School, Ann Arbor, MI
7/13 – 6/14	Vascular Medicine Fellow, University of Michigan Health System, University of Michigan Medical School, Ann Arbor, MI (concurrent fellowship)
7/14 – 6/16	Advanced Research Fellow, NIH T32 Training Grant, Division of Cardiovascular Medicine, University of Michigan Medical School, Ann Arbor, MI

Certification and Licensure

<i>Board Certification</i>	Internal Medicine, 2010 – 2020 (ABIM# 313239) Cardiovascular Medicine, 2014-2024 (ABIM# 313239) Registered Physician in Vascular Interpretation, 2014-2024 (ARDMS# 182052) Vascular Medicine, 2015-2025
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<i>Medical Licensure</i>	Michigan Medical License, Registration #4301090085, exp 1/31/17 Michigan Controlled Substance, exp 1/31/17
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US Dept of Justice DEA, exp 7/31/16
NPI 1427258532

Academic, Administrative and Clinical Appointments

Academic Appointments

7/14 – present Clinical Lecturer, Internal Medicine, Cardiovascular Medicine, University of Michigan Medical School

Clinical Appointments

6/10 – 6/16 Staff Physician, Internal Medicine, Ann Arbor Veteran’s Affairs Hospital
Ann Arbor, MI

7/14 – present Staff Physician, Cardiovascular and Vascular Medicine, University of Michigan Health System, Ann Arbor, MI

Research Interests

Dr. Barnes’ research interests focus on 1) anticoagulation care, 2) peri-operative anticoagulation management, 3)atrial fibrillation, 4) venous thromboembolism, 5) quality of care and quality improvement, 6) implementation science, 7) healthcare engineering (LEAN and work flow optimization), and 8) patient-physician shared decision making

Grants and Research Funding

Current

Developing an Implementation Strategy to Improve Peri-procedural Anticoagulation Management for Patients with Atrial Fibrillation (K01 HL135392-01)

PI: Geoffrey D Barnes, MD, MSc

Agency: NIH/NHLBI

Period: 1/17-12/21

Funding Amount: \$156,000 (Barnes Annual Direct)

Description: Many people with a common heart rhythm problem called atrial fibrillation must temporarily stop taking their “blood thinner” medication (e.g. warfarin) around the time of a surgery. These patients are commonly given shorter-acting blood thinners (“bridging anticoagulants”) hoping to prevent strokes. However, peri-procedural use of these shorter-acting bridging anticoagulants can actually lead to life-threatening bleeding events without preventing strokes. This research will develop a re-organized model of care for patients with atrial fibrillation to prevent harmful use of bridging anticoagulants when patients with atrial fibrillation undergo common surgical procedures.

Michigan Anticoagulation Quality Improvement Initiative (MAQI²)

PI: James B Froehlich, MD, MPH

Co-PI: Geoffrey D Barnes, MD, MSc

Agency: Blue Cross-Blue Shield of Michigan

Period: 9/08-present

Type: Collaborative Quality Initiative

Funding Amount: Approx \$500,000 yearly, automatically renewed

Specific aims: By bringing together multiple anticoagulation management services (AMS) across the state of Michigan, we aim to improve the quality of anticoagulation care for patients receiving warfarin therapy for any indication. Specifically, we will identify risk factors for adverse events, develop risk prediction models, identify key components of a successful AMS, perform cost analysis for anticoagulation care and develop recommendations and guidelines for AMS structure and design.

Using Teach Back to Improve Knowledge and Adherence in the Anticoagulation Clinic

PI: Geoffrey D Barnes, MD, MSc

Co-I: Eva Kline-Rogers, NP, Tina Alexandris-Souphis, RN, Steve Erickson, PharmD

Source: Frankel CVC Micro Grant

Period: 1/16-12/17

Type: Pilot Grant Funding

Funding Amount: \$5000

Specific aims: To demonstrate efficacy and feasibility of the Teach Back method to improve patient knowledge regarding warfarin therapy in the anticoagulation clinic setting.

Completed

Investigation of Physiologic Lower Extremity Pediatric Venous Anatomy and Valve Function

PI: Dawn Coleman, MD

Co-I: Geoffrey D Barnes, MD, MSc

Source: Frankel CVC Micro Grant

Period: 1/16-12/16

Type: Pilot Grant Funding

Funding Amount: \$4375

Specific aims:

1. Determine 'normal' pediatric venous valve function across the age range of 5-17 years as it relates to valve closure time (msec) and max velocity (cm/sec)
2. Determine the 'normal' incidence of accessory superficial veins in healthy children aged 5-17 (for example: anterior and posterior accessory superficial veins)
3. Determine the 'normal' spectrum of venous size in diameter (cm) of the pediatric deep and superficial veins

Development of a Shared Decision Making Tool for Atrial Fibrillation Anticoagulation

Co-PI: Geoffrey D Barnes, MD, MSc and James B Froehlich, MD, MPH

Funding Source: Bristol Meyers Squibb/Pfizer

Period: 8/14-6/16

Funding Amount: \$220,000

Specific aims:

1. To develop a shared decision making tool for anticoagulation in atrial fibrillation patients

- a. This tool should incorporate both risk stratification for stroke and bleeding as well as specific patient preferences to optimize patient adherence to anticoagulant therapy
2. To implement a shared decision making tool for anticoagulation in atrial fibrillation

Honors and Awards

2008	Golden Beeper Recipient for top honors in medical student teaching University of Michigan Medical School
2013	Conference Scholarship Recipient, 12 th National Conference on Anticoagulation Therapy, Phoenix, AZ
2013	Young Investigator Award, XXIV Congress of the International Society on Thrombosis and Haemostasis (ISTH), Amsterdam
2013	2 nd Place, Fellow in Training Poster Competition, Michigan American College of Cardiology (ACC) Conference, Detroit, MI
2013	1 st Place, Cardiovascular Medicine Fellow's Research Competition, University of Michigan Division of Cardiovascular Medicine, Ann Arbor, MI
2013	Inaugural Chair and Member, Young Professional Task Force, International Society on Thrombosis and Haemostasis (ISTH)
2014	Young Investigator Award, 60 th SSC Meeting of the International Society on Thrombosis and Haemostasis (ISTH), Milwaukee, WI
2015	Young Investigator Award Finalist, 64 th Annual Scientific Session of the American College of Cardiology, San Diego, CA

Membership in Professional Societies

2011 –	Member and Fellow, American College of Cardiology (ACC)
2012 –	Member, American Heart Association (AHA) Council on Peripheral Vascular Disease (PVD), Early Career Committee member Council on Quality of Care and Outcomes Research (QCOR)
2013 –	Member, American College of Physicians
2013 –	Member, American Medical Association
2013 –	Member, International Society on Thrombosis and Haemostasis (ISTH)
2014 –	Member, Society for Vascular Medicine (SVM)

Editorial Positions, Boards, and Peer-Review Services

Editorial Positions

2014 –	ACC Journal Scan, Editorial Team Leader
2017 –	Vascular Medicine, Editorial Board Member and Social Media Editor
2017 –	American Journal of Medicine, Specialty Editor

Ad Hoc Reviewer

American Heart Journal
 American Journal of Managed Care
 American Journal of Medicine
 American Journal of Pharmacy Benefit
 Annals of Internal Medicine
 BMJ
 Canadian Family Physician
 Circulation: Cardiovascular Quality and Outcomes
 Clinical Cardiology
 European Journal of Hematology
 Heart
 Journal of the American College of Cardiology
 Journal of the American Heart Association
 Journal of Hospital Medicine
 Journal of Thrombosis and Haemostasis
 Journal of Thrombosis and Thrombolysis
 Thrombosis Journal
 Vascular Medicine

Teaching**Medical Student Teaching**

10/2015 Small Group Faculty Facilitator, Cardiovascular Physiology Cases
 6/2016 Faculty, Patient-Based Scientific Inquiry (M4 Curriculum)
 9/2016 Faculty, Patient-Based Scientific Inquiry (M4 Curriculum)

Fellow and Resident Teaching

12/2014 Lecture, "Oral Anticoagulation", House Officer Lunchtime Lecture Series
 3/2015 Lecture, "Anticoagulation Quality Improvement", House Officer Quality Improvement Lecture Series
 8/2015 Lecture, "Introduction to STATA", Robert Wood Johnson Clinical Scholars Program
 9/2015 Lecture, "Oral Anticoagulation", House Officer Lunchtime Lecture Series
 10/2015 Lecture, "Venous Thromboembolism and Anticoagulation", Cardiovascular Fellowship
 7/2016 Discussant, Internal Medicine Morbidity and Mortality Conference
 8/2016 Group Facilitator, HO-II Retreat, Research in Residency Session
 9/2016 Discussant, Internal Medicine Morning Report Conference

Conference Faculty

6/2012 Faculty, 23rd Annual Meeting of the Society of Vascular Medicine, Minneapolis, MN
 5/2014 Faculty, 15th Annual Antithrombotic Therapy Symposium, Dearborn, MI
 11/2014 Faculty, American Heart Association Scientific Sessions, Chicago, IL
 2/2015 Faculty, 1st Qatar Conference on Safe Anticoagulation Management: New Advances and Trends, Doha, Qatar
 4/2015 Faculty, 13th National Conference of the Anticoagulation Forum, Washington, DC

6/2015	Faculty, Oral Anticoagulants in Atrial Fibrillation, CME Webinar Series (affiliation with American College of Cardiology), San Jose, Costa Rica
6/2015	Faculty, 61 st Annual SSC Meeting at the ISTH, Toronto, ON, Canada
11/2015	Faculty, American Heart Association Scientific Sessions, Orlando, FL
4/2016	Faculty, American College of Cardiology Scientific Sessions, Chicago, IL
4/2016	Faculty, Society of Interventional Radiology Annual Meeting, Vancouver, BC, Canada
5/2016	Faculty, Taiwan Society of Cardiology Annual Meeting, Taipei, Taiwan
6/2016	Faculty, Society for Vascular Medicine 27 th Annual Meeting, Long Beach, CA
6/2016	Faculty, 2016 Pulmonary Embolism Symposium, Boston, MA
11/2016	Faculty, American Heart Association Scientific Sessions, New Orleans, LA

Conference Organizing and Planning Committee

5/2016	Planning Committee, 27 th Annual Scientific Session of the Society for Vascular Medicine, Long Beach, CA
4/2017	Planning Committee, ACC.17 Scientific Sessions, Pulmonary Hypertension and Venous Thromboembolism Working Group, Washington, DC

Mentorship

House Officers:

2011-12	Mentor, PGY 2,3, Alex Katz, University of Michigan, Research Fellow <i>Product:</i> 1 manuscript published (American Journal of Managed Care)
2012-13	Mentor, PGY 2,3, John Coatney, University of Michigan, Chief Medical Resident <i>Product:</i> 1 manuscript published (American Journal of Managed Care)
2013-16	Mentor, PGY 2-5, Andrew Hughey, University of Michigan, Resident Physician and Cardiology Fellow <i>Product:</i> 1 manuscript under review
2013-16	Mentor, PGY 2, Brett Izzo, University of Michigan, Resident Physician <i>Product:</i> 1 manuscript published (Thrombosis Research)
2014-16	Mentor, PGY 2, Anum Minhas, University of Michigan, Resident Physician <i>Product:</i> 1 manuscript published (Journal of Thrombosis and Thrombolysis)
2014-15	Mentor, PGY2, Andrew Putnam, University of Michigan, Resident Physician <i>Product:</i> 1 manuscript published (Journal of Thrombosis and Thrombolysis) Kenneth R. Stark Award recipient for resident research (2015-2016)
2014-17	Mentor, PGY2, Jared Wilkinson, University of Michigan, Resident Physician <i>Product:</i> 1 manuscript in preparation
2015-17	Mentor, PGY2,3 Akash Kataruka, University of Michigan, Resident Physician <i>Product:</i> 1 manuscript published (Vascular Medicine), 1 manuscript in preparation
2015-16	Mentor, PGY3,4 Zach Hale, University of Michigan, Resident Physician <i>Product:</i> 1 manuscript published (Journal of Thrombosis and Thrombolysis)
2016 –	Mentor, PGY 4,5, Jordan Schaefer, University of Michigan, Hematology/Oncology Fellow <i>Product:</i> 1 oral abstract (American Society of Hematology 2016, ASH Abstract Achievement Award winner)

Medical Students:

2013-15	Mentor, Medical student and MPH candidate, Brian Salata
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Future House Officer in Internal Medicine at New York-Presbyterian
Hospital/Weill-Cornell Medical Center

Product: 1 manuscript published (American Journal of Cardiology)

Pharmacy Resident:

2014-16 Mentor, Pharmacy Student, Emily Ashjian, PharmD

Product: 1 manuscript in press (American Journal of Health-System Pharmacy)

Committee, Organizational and Volunteer Service

National and International

2013 – 2015 Chair, Early Career Task Force, ISTH
 2015 – Immediate Past Chair, Early Career Task Force, ISTH
 2014 – Member, Education and Outreach Committee, ISTH
 2014 – Member, FIT and Early Career Committee of PVD Council, AHA
 2015 – Member, Early Career Committee Academic Workgroup, ACC
 2015 – Member, Scientific Program Committee, SVM
 2016 – Member, Pulmonary HTN and VTE Program Committee, ACC
 2016 – Member, Social Media Committee, SVM
 2016 – Member, Task Force on Performance Measures, ACC/AHA

Regional

2003 – 2007 Children's Fundraiser Co-Chair and Vice President, Galens Medical Society,
University of Michigan Medical School
 2010 – Interviewer, Washington University in St. Louis Alumni and Parents Admissions
Committee, Michigan Chapter
 2013 – 2016 Co-chair, Washington University in St. Louis Alumni and Parents Admissions
Committee, Michigan Chapter

University of Michigan

2015 – 2017 Member, Atrial Fibrillation Quality Improvement Committee
 2016 – Member, IHPI Early Career Faculty Advisory Council

Volunteer

2010 – 2015 Clinician, Delonis Medical Clinic, Ann Arbor, MI
 2013 – Marketing Committee Member, Ann Arbor Symphony Orchestra, Ann Arbor, MI
 2014 – Board of Directors, Ann Arbor Symphony Orchestra, Ann Arbor, MI
 2016 – Vice President, Ann Arbor Symphony Orchestra, Ann Arbor, MI

Consulting Positions

11/2014 Advisory Board, Portola Pharmaceuticals
 3/2016 Advisory Board, Aralez Pharmaceuticals
 10/2016 Advisory Board, BMS/Pfizer

Visiting Professorship, Seminars, Webinars, and Extramural Invited Presentations

National and International

10/2004 Invited Workshop, 34th Annual Meeting of the Association for the Behavioral Sciences & Medical Education, “Understanding and Using Active Learning Theory and Methods”, Vail, CO

11/2004 Invited Workshop, 115th Annual Meeting of the Association of American Medical Colleges, “Understanding and Using Active Learning Theory and Methods”, Boston, MA

7/2006 Invited Workshop, International Meeting of the Association for Medical Educators in Europe, “Understanding and Using Active Learning Theory and Methods”, Genoa, Italy

6/2012 Invited Speaker, 23rd Annual Meeting of the Society of Vascular Medicine, “Improving Existing Therapies: Vascular Registries and the Michigan Anticoagulation Quality Improvement Initiative (MAQI²) Experience”, Minneapolis, MN

5/2014 Invited Speaker, 15th Annual Antithrombotic Therapy Symposium, “Quality Measures in Anticoagulation”, Dearborn, MI

11/2014 Invited Speaker, American Heart Association Scientific Sessions, “Shared Decision Making in Venous Thromboembolism”, Chicago, IL

2/2015 Invited Speaker, 1st Qatar Conference on Safe Anticoagulation Management, “Extended Anticoagulation in Venous Thromboembolism”, Doha, Qatar

2/2015 Invited Speaker, 1st Qatar Conference on Safe Anticoagulation Management, “Registry-based Quality Improvement in Anticoagulation”, Doha, Qatar

3/2015 Young Investigator Award Finalist, American College of Cardiology 64th Annual Scientific Sessions, “Contraindicated Medication Use with Percutaneous Coronary Intervention: Insights from the VA CART Program”, San Diego, CA

4/2015 Invited Speaker, 13th National Conference of the Anticoagulation Forum, “Ways to Measure Quality Improvement in Anticoagulation Management”, Washington, DC

6/2015 Invited Speaker, 61st Annual SSC Meeting, “Nomenclature of the Oral Anticoagulant Medications: Recommendation of the Control of Anticoagulation SSC”, Toronto, ON, Canada

11/2015 Invited Speaker, American Heart Association Scientific Sessions, “Direct Oral Anticoagulants: Answers to FAQ’s”, Orlando, FL

11/2015 Invited Speaker, American Heart Association Scientific Sessions, “Periprocedural Management of Warfarin”, Orlando, FL

4/2016 Invited Speaker, American College of Cardiology Scientific Sessions, “Who Should Get Extended Anticoagulation?” Chicago, IL

4/2016 Session Moderator, American College of Cardiology Scientific Sessions, “VTE: The Acute Phase and Beyond” Chicago, IL

- 4/2016 Poster Professor, American College of Cardiology Scientific Sessions, “FIT: Moderated Poster Session” Chicago, IL
- 4/2016 Invited Speaker, Society of Interventional Radiology Annual Meeting, “DOACs: Answers to Frequently Asked Questions”, Vancouver, BC, Canada
- 5/2016 Invited Speaker, Taiwan Society of Cardiology Annual Meeting, “Combined Anticoagulant and Antiplatelet Use in Acute Coronary Syndromes and Coronary Stenting” Taipei, Taiwan
- 6/2016 Invited Speaker, Society for Vascular Medicine 27th Annual Meeting “ABCs of Anticoagulation, 2016 Edition” Long Beach, CA
- 6/2016 Invited Speaker, Society for Vascular Medicine 27th Annual Meeting “Year in Review: Venous Thromboembolism” Long Beach, CA
- 6/2016 Invited Speaker, Society for Vascular Medicine 27th Annual Meeting “DOACs vs. Warfarin: AFib and Acute Coronary Syndrome” Long Beach, CA
- 6/2016 Invited Speaker, Society for Vascular Medicine 27th Annual Meeting “DOAC Reversal Agents: Mechanisms, Dosing, and When to Use” Long Beach, CA
- 6/2016 Invited Speaker, Society for Vascular Medicine Annual Fellows Course “Evidence-based Approach to IVC Filters” Long Beach, CA
- 6/2016 Session Moderator, Society for Vascular Medicine 27th Annual Meeting “Warfarin vs. DOACs: How to Pick” Long Beach, CA
- 6/2016 Session Moderator, Society for Vascular Medicine 27th Annual Meeting “Pulmonary Embolism” Long Beach, CA
- 6/2016 Session Moderator, 2016 Pulmonary Embolism Symposium “Anticoagulation Therapy: The Backbone of Treatment” Boston, MA
- 6/2016 Invited Speaker, 2016 Pulmonary Embolism Symposium “Post-PE Anticoagulation: Important Considerations that Influence Selection of Agents” Boston, MA
- 11/2016 Invited Speaker, 21st Annual Pulmonary Grand Rounds “State of the Art in VTE Treatment: Clarity or Controversy?” St. Louis, MO
- 11/2016 Invited Speaker, American Heart Association Scientific Sessions “Peri-procedural Management of Direct Oral Anticoagulants”, New Orleans, LA
- 11/2016 Invited Speaker, American Heart Association Scientific Sessions “Reimagining Anticoagulation Clinics in the 21st Century”, New Orleans, LA
- 11/2016 Session Moderator, American Heart Association Scientific Sessions “Novel Strategies to Improve Anticoagulation Delivery”, New Orleans, LA
- 11/2016 Invited Speaker, American Heart Association Scientific Sessions “Guideline-based VTE Care: What’s New in 2016?”, New Orleans, LA
- 11/2016 Session Moderator, American Heart Association Scientific Sessions “State of the Art in Venous Thromboembolism Care”, New Orleans, LA
- 11/2016 Invited Speaker, American Heart Association Scientific Sessions “Beyond the DOACs: What’s Next?”, New Orleans, LA

University of Michigan

- 7/2009 Lecture, “Overview of Anticoagulation”, M CORRP Summer Lecture Series, Ann Arbor, MI
- 7/2009 Lecture, “Approach to ECG’s”, Intern Lecture Series, University of Michigan, Ann Arbor, MI

- 6/2010 Lecture, “Overview of Anticoagulation”, MCORRP Summer Lecture Series, Ann Arbor, MI
- 1/2011 Lecture, “Venous Thromboembolism”, Resident Lecture Series, Ann Arbor VA, Ann Arbor, MI
- 7/2011 Lecture, “Overview of Anticoagulation”, MCORRP Summer Lecture Series, Ann Arbor, MI
- 12/2013 Lecture, “Venous Thromboembolism”, Cardiovascular Medicine Fellowship, University of Michigan, Ann Arbor, MI
- 9/2014 Lecture, “Anticoagulation: 2014 Update”, Medicine Faculty Hospitalist Educational Conference, University of Michigan, Ann Arbor, MI
- 9/2014 Grand Rounds Lecture, “Anticoagulation Challenges for the Cardiovascular Physician”, Cardiovascular Medicine Grand Rounds, University of Michigan, Ann Arbor, MI
- 12/2014 Lecture, “Anticoagulation: 2014 Update”, House Officer Lecture Series, University of Michigan, Ann Arbor, MI
- 3/2015 Lecture, “Registry-based Quality Improvement in Anticoagulation”, Quality Improvement Month Lectureship Series, University of Michigan, Ann Arbor, MI
- 3/2015 Lecture, “I Hear a Carotid Bruit – What Should I Do?”, 2nd Annual Practical Guide to Cardiovascular Imaging: What Referring Providers Need to Know, University of Michigan, Ann Arbor, MI
- 3/2015 Lecture, “Imaging Patients with Suspected Claudication”, 2nd Annual Practical Guide to Cardiovascular Imaging: What Referring Providers Need to Know, University of Michigan, Ann Arbor, MI
- 5/2015 Lecture, “Shared Decision Making in Venous Thromboembolism”, University of Michigan Decision Consortium, Ann Arbor, MI
- 9/2015 Lecture, “Anticoagulation: Introduction and 2015 Update”, House Officer Lecture Series, University of Michigan, Ann Arbor, MI
- 10/2015 Lecture, “Venous Thromboembolism and Anticoagulation”, Cardiology Fellow Lecture Series, University of Michigan, Ann Arbor, MI
- 10/2015 Lecture, “Anticoagulation: Safety and Efficacy in 2015”, Hematology Conference Series, University of Michigan, Ann Arbor, MI
- 10/2015 Faculty Discussant, “Apixaban for Atrial Fibrillation”, Pharmacology Journal Club, University of Michigan, Ann Arbor, MI
- 11/2015 Lecture, “VTE in the ICU: Diagnosis, Treatment and Prevention”, 28th Annual Update in Pulmonary and Critical Care Medicine, Ann Arbor, MI
- 1/2016 Grand Rounds Lecture, “Anticoagulation in 2016”, Cardiovascular Medicine Grand Rounds, University of Michigan, Ann Arbor, MI
- 5/2016 Lecture, “Anticoagulation for Venous Thromboembolism”, Algorithms for Modern Venous Care, Ann Arbor, MI
- 12/2016 Lecture, “Oral Anticoagulation in 2016”, Cardiology Fellow Lecture Series, University of Michigan, Ann Arbor, MI
- 12/2016 Lecture, “Peripheral Arterial Diseases and Venous Thromboembolism”, House Office Lecture Series, University of Michigan, Ann Arbor, MI
- 2/2017 Lecture, “Peri-procedural Anticoagulation Management” Aortic Disease Management Conference, Michigan Medicine, Ann Arbor, MI

Webinars

- 8/2014 Moderator, “Thrombotic Thrombocytopenia Purpura: New Insights in Pathogenesis and Treatment Modalities”, ISTH Webinar Series

- 2/2015 Moderator, “Controversies in Anticoagulation”, ISTH Webinar Series
 5/2015 Moderator, “Combining Antiplatelet and Anticoagulant Therapy”, ISTH Academy Webinar Series
 12/2015 Presenter, “The Changing Characteristics of Atrial Fibrillation Patients Treated with Warfarin”, Anticoagulation Forum Webinar Series
 1/2016 Moderator, “Monitoring of Anticoagulation” ISTH Academy Webinar Series
 2/2016 Presenter, “Improving Anticoagulation Care: Warfarin and the Direct Oral Anticoagulants”, Lake Superior Quality Innovation Network Webinar Series

Bibliography

Peer-Reviewed Research Publications

1. **Barnes GD**, Li J, Kline-Rogers E, Vedre A, Armstrong DF, Froehlich JB, Eagle KA, Gurm HS. “Dual Antiplatelet Failure: A New Syndrome or Clinical Non-Entity?” *Am Heart J* Oct 2007;154(4):732-5. PMID: 17893001
2. **Barnes GD**, Gafoor S, Wakefield T, Upchurch GR Jr, Henke P, Froehlich JB. “National Trends in Venous Disease” *J Vasc Surg*. 2010 Jun;51(6):1467-73. Epub 2010 Mar 20. PMID: 20304580
3. **Barnes GD**, Birkmeyer N, Flanders SA, Froehlich JB, Hemmila M, Henke PK, Prager RL, Leyden T, Share D, “Venous thromboembolism: A collaborative quality improvement model for practitioners, hospitals, and insurers” *J Thromb Thrombolysis* 2012 Apr;33(3):274-9. PMID: 22418698
4. **Barnes GD**, Kaatz S, Golgotiu V, Gu X, Leidal A, Kobeissy A, Haymart B, Kline-Rogers E, Kozlowski J, Almany S, Leyden T, Froehlich JB “Use of Warfarin for Venous Thromboembolism Prophylaxis Following Knee and Hip Arthroplasty: Results of the Michigan Anticoagulation Quality Improvement Initiative (MAQI²)” *J Thromb Thrombolysis*. 2013 35(1):10-4. PMID: 22797905
5. Atay JK, Fanikos J, **Barnes GD**, Ehle M, Coatney J, Piazza G, Froehlich JB, Goldhaber SZ “Effect of Dabigatran on Referrals to and Switching from Warfarin in Two Academic Anticoagulation Management Services” *American Journal of Cardiology* 2013; 112(3):387-9. PMID: 23647794
6. **Barnes GD**, Katz A, Desmond JS, Kronick SL, Beach J, Chetcuti SJ, Bates ER, Gurm HS “False Activation of the Cardiac Catheterization Laboratory for Primary PCI” *Am J Manag Care* 2013;19(8):671-675. PMID: 24304215
7. **Barnes GD**, Kaatz S, Winfield J, Gu X, Haymart B, Kline-Rogers E, Kozlowski J, Beasley D, Almany S, Leyden T, Froehlich JB “Warfarin use in atrial fibrillation patients at low risk for stroke: analysis of the Michigan Anticoagulation Quality Improvement Initiative (MAQI²)” *J Thromb Thrombolysis* 2014 37(2):171-176. PMID: 23653172
8. **Barnes GD**, Gu X, Haymart B, Kline-Rogers E, Almany S, Kozlowski J, Besley D, Krol GD, Froehlich JB, Kaatz S “The Predictive Ability of the CHADS₂ and CHA₂DS₂-VASc Scores for Bleeding Risk in Atrial Fibrillation: The MAQI² Experience” *Thromb Journal* 2014;134(2):294-299. PMID: 24929840
9. **Barnes GD**, Lucas E, Alexander GC, Goldberger ZD “National Trends in Ambulatory Oral Anticoagulant Use” *Am J Med* 2015;128(12):1300-5. PMID: PMC4658248.
10. Putnam A, Gu X, Haymart B, Kline-Rogers E, Almany S, Kozlowski J, Krol GD, Kaatz S, Froehlich JB, **Barnes GD** “The Changing Characteristics of Atrial Fibrillation Patients Treated with Warfarin” *J Thromb Thrombolysis* 2015;40(4):488-93. PMID: PMC4772860.

11. Salata BM, Hutton DS, Levine DA, Froehlich JB, **Barnes GD** “Cost-Effectiveness of Dabigatran (150 mg Twice Daily) and Warfarin in Patients \geq 65 Years with Non-Valvular Atrial Fibrillation – A Multiple-Payer-Perspective Analysis” *Am J Cardiol* 2016;117(1):54-60. PMID: PMC4780215
12. Freeman JV, Hutton DW, **Barnes GD**, Zho RP, Owens DK, Garber AM, Go AS, Hlatky MA, Heidenreich PA, Wang PJ, Al-Ahmad A, Turakhia MP “Cost-Effectiveness of Percutaneous Closure of the Left Atrial Appendage in Atrial Fibrillation Based on Results from PROTECT AF vs. PREVAIL” *Circ Arrhythm Electrophysiol* 2016;9:e003407
13. Ashjian E, Kurtz B, Renner E, Yeshe R, **Barnes GD** “Impact of a pharmacist-led outpatient direct oral anticoagulant service on medication appropriateness and adherence” *Am J Health-Syst Pharm* 2016 (in press)
14. **Barnes GD**, Stanislawski MA, Liu W, Barón AE, Armstrong EJ, Ho PM, Klein A, Maddox TM, Nallamothu BK, Rumsfeld JS, Tsai TT, Bradley SM “Use of Contraindicated Antiplatelet Medications in the Setting of Percutaneous Coronary Intervention: Insights from the Veterans Affairs Clinical Assessment, Reporting, and Tracking Program” *Circ Cardiovasc Qual Outcomes* 2016 ePub May 31
15. **Barnes GD**, Izzo B, Conte ML, Chopra V, Holbrook A, Fagerlin A “Use of Decision Aids for Shared Decision Making in Venous Thromboembolism: A Systematic Review” *Thrombosis Research* 2016;143:71-75
16. Minhas AS, Jiang Q, Gu X, Haymart B, Kline-Rogers E, Almany S, Kozlowski J, Krol GD, Kaatz S, Froehlich JB, **Barnes GD** “Renal Function in Atrial Fibrillation Patients Switched from Warfarin to a Direct Oral Anticoagulant” *J Thromb Thrombolysis* 2016 ePub May 23
17. **Barnes GD**, Kurlander J, Haymart B, Kaatz S, Saini S, Froehlich JB “Bridging Anticoagulation Before Colonoscopy: Results of a Multispecialty Clinician Survey” *JAMA Cardiol* 2017;1:1076-1077
18. **Barnes GD**, Kabrhel C, Courtney DM, Naydenov S, Wood T, Rosovsky R, Rosenfield K, Giri J “Diversity in the Pulmonary Embolism Response Team Model: An Organizational Survey of the National PERT™ Consortium Members” *CHEST* 2016;150:1414-1417
19. Chatterjee S, Wienberg I, Yeh RW, Chakraborty A, Sardar P, Weinberg MD, Kabrhel C, **Barnes GD**, Mukherjee D, Kumbhani D, Bashir R, Vaidya A, Smith A, Fuchs B, Groenveld P, Giri J “Risk Factors for Intracranial Hemorrhage in Patients with Pulmonary Embolism Treated with Thrombolytic Therapy: Development of the PE-CH Score” *Thromb Haemost* 2016 ePub Nov 24
20. Hale ZD, Kong X, Haymart B, Gu X, Kline-Rogers E, Almany S, Kozlowski J, Krol GD, Kaatz S, Froehlich JB, **Barnes GD** “Prescribing trends of atrial fibrillation patients who switched from warfarin to a direct oral anticoagulant” *J Thromb Thrombolys* 2016 ePub Nov 11
21. Pappas M, **Barnes GD**, Vijan S “Personalizing bridging anticoagulation in patients with nonvalvular atrial fibrillation—a microsimulation analysis” *J Gen Int Med* (in press)
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7. Kaatz S, Kobeissy A, **Barnes GD**, Gu X, Kozlowski J, Almany SL, Besley D, Ponstein P, Froehlich JB “Bridging Low Molecular Weight Heparin During Warfarin Initiation in Patients With Atrial Fibrillation” Poster at the 23rd Congress of the International Society on Thrombosis and Haemostasis, July 2011, Kyoto, Japan
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