# Vineet Inder Chopra MBBS, MD, MSc, FACP, FHM Professor of Medicine Robert W. Schrier Chair of Medicine University of Colorado School of Medicine 12631 East 17<sup>th</sup> Avenue, Room 8607, MS B178 Aurora, CO 80045

(303) 724-1783, Fax: (303)724-1799 vineet.chopra@cuanschutz.edu

#### **Education and Training**

Bachelor of Medicine, Bachelor of Surgery (M.B.B.S). Grant Medical College
and Sir JJ Group of Hospitals, Mumbai, India
Internship and residency in Internal Medicine, (M.D.) Mount Sinai School of
Medicine and the James J Peters Veterans Administration Medical Center (New
York, NY and Bronx, NY)
Master of Science (MSc) Health and Health Services Research. Rackham
Graduate School (Robert Wood Johnson Clinical Scholars Program) University of
Michigan (Ann Arbor, MI)
Emerging Leaders Program, Ross School of Business, University of Michigan
Human Factors Engineering, Department of Integrative Systems and Design,
University of Michigan (Ann Arbor, MI)
Positive Leadership Program, Ross School of Business, University of Michigan

#### **Academic Appointments**

Academic Appoin	nuncius
09/2001 - 06/2002	Research Assistant, Department of Family Medicine, Thomas Jefferson University
	Hospital and Jefferson Medical College, Philadelphia, PA
07/2004 - 06/2005	Chief Resident, Bronx Veterans Affairs Medical Center. Bronx, NY
07/2008 - 06/2012	Assistant Professor of Medicine, Clinical Track, University of Michigan School
	of Medicine. Ann Arbor, MI
07/2012 - 06/2017	Assistant Professor of Medicine, Instructional Track, University of Michigan
	School of Medicine. Ann Arbor, MI
06/2016 - Present	Adjunct Professor, Menzies Health Institute, Griffith University, Queensland,
	Australia
07/2017 - 06/2021	Associate Professor of Medicine (with Tenure), Instructional Track. University of
	Michigan School of Medicine. Ann Arbor, MI.
07/2017 – Present	Co-Director, Health Services Research Unit, Divisions of General Medicine and
	Hospital Medicine, University of Michigan Health System, Ann Arbor, MI
09/2021 - 10/2021	Professor of Medicine (with Tenure), Instructional Track. University of Michigan
	School of Medicine. Ann Arbor. MI.
10/2021 - Present	Adjunct Professor of Medicine, Instructional Track. University of Michigan
	School of Medicine. Ann Arbor. MI.
10/2021 - Present	Visiting Professor of Medicine. University of Colorado School of Medicine.
	Denver, Colorado.

#### **Administrative and Clinical Appointments**

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08/2005 - 06/2008	Medical Director and Lead Physician. Division of Hospital Medicine, St. Josephs
	Mercy Regional Health Center, Hot Springs, Arkansas
08/2007 - 06/2008	Chief Quality Improvement Officer. St. Josephs Mercy Regional Health Center,
	Hot Springs, Arkansas
06/2007 - 06/2008	Chair, Infection Control Committee. St. Josephs Mercy Regional Health Center,
	Hot Springs, Arkansas
07/2008 - Present	Assistant Professor of Medicine, University of Michigan Health System, Ann
	Arbor, MI
07/2012 - Present	Attending and Staff Physician, Ann Arbor Veterans Affairs Medical Center, Ann
	Arbor, MI
04/2016 - Present	Co-Director, Patient Safety Enhancement Program, Ann Arbor Veterans Affairs
	Medical Center, Ann Arbor, MI
07/2017 - Present	Co-Director, Integrated Research Unit, Divisions of General and Hospital
	Medicine, University of Michigan Health System, Ann Arbor, MI
07/2017 - 10/2021	Chief, Division of Hospital Medicine, Department of Medicine, University of
	Michigan Health System, Ann Arbor, MI
10/2021 - Present	Chairman, Department of Medicine, University of Colorado School of Medicine,
	Denver, Colorado.

#### **Honors and Awards**

Honors and Awa	lus
06/2005	Outstanding Resident in Internal Medicine, Dept. of Internal Medicine, Bronx VA
	Medical Center, Bronx, New York
03/2006	Physician of the Quarter, St. Josephs Mercy Medical Center, Hot Springs, AR
12/2006	Physician of the Quarter, St. Josephs Mercy Medical Center, Hot Springs, AR
01/2007	Physician of the Quarter, St. Josephs Mercy Medical Center, Hot Springs, AR
04/2009	Best of Innovations "MComm: Redefining Medical Communications in the 21st
	Century" Society of Hospital Medicine, 2009. Chicago, IL
07/2009	America's Top Physicians, 2010. Consumer Research Council of America
02/2010	Best Reviewers, Annals of Internal Medicine
08/2010	Clinical and Translational Science Award, Michigan Institute for Clinical and
	Health Research (MICHR). University of Michigan, Ann Arbor, MI
06/2013	Fellow in Hospital Medicine, Society of Hospital Medicine
08/2013	Young Investigator Award, Society of Hospital Medicine
09/2013	Research Career Development Core Claude D. Pepper Center Salary Support
	Award (given to the two most promising early career aging investigators)
04/2014	Frank J. McDevitt Award for Excellence in Clinical Research, Blue Cross/Blue
	Shield Foundation of Michigan
04/2015	Best Abstract, Society for Healthcare Epidemiology of America 2015
04/2016	Excellence in Research Award, Society of Hospital Medicine
05/2016	Kaiser Permanente Award for Excellence in Clinical Teaching of Medical
	Students, University of Michigan School of Medicine
06/2016	H. Marvin Pollard Award for Outstanding Teaching of Residents, Department of
	Medicine, University of Michigan Health System
06/2016	Richard D. Judge Award for Medical Student Teaching, Department of Medicine,
	University of Michigan School of Medicine

06/2016	Jerome W. Conn Award for Excellence in Research, Department of Medicine,
	University of Michigan Health System
09/2016	Hospitalist of the Year Award, Society of Hospital Medicine/American College of
	Physicians - Michigan Chapter. Traverse City, Michigan
11/2016	Deans Award for Excellence in Teaching, University of Michigan School of
	Medicine
11/2016	Impact and Innovation Award, Institute for Healthcare Policy and Innovation,
	University of Michigan
05/2018	Token Appreciation from Medical Students (TAMS) Award (awarded by
	graduating class to faculty members who have served as role models)
10/2018	Gold Humanism Award Nominee
11/2018	Americas Top Doctors, 2018
11/2018	Evan Newport Hope Award Nominee
04/2019	Golden Apple Teaching Award Nominee (Best Teacher award across all schools,
	University of Michigan)
05/2019	Token Appreciation from Medical Students (TAMS) Award
06/2019	Distinguished Clinical and Translational Research Mentor Award, Michigan
	Institute for Clinical & Health Research, University of Michigan Health System
08/2019	Best Doctors in America 2019-2020
06/2020	Chairs Award for Impact - Department of Internal Medicine (for mobilizing and
	leading hospital medicine efforts during COVID-19)
11/2020	EMS Medal Award for Outstanding Clinical Service for COVID-19 in Michigan.
	National Society of the Sons of the American Revolution, Huron Valley Chapter
11/2021	Inductee, American Society of Clinical Investigation (ASCI)
02/2022	Elected Member, American Society of Clinical Investigation (ASCI)
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## **Memberships in Professional Societies**

07/2002 - Present	American College of Physicians
08/2006 - Present	American Heart Association/American Stroke Association
10/2006 - Present	Society of Hospital Medicine
06/2007 - Present	Society of General Internal Medicine
04/2008 - Present	American College of Physicians
01/2012 - Present	Society of Healthcare Epidemiology America
03/2013 - Present	Association of Vascular Access
07/2016 - Present	Society for Improvement in Diagnosis in Medicine
11/2021 - Present	Association of Professors in Medicine (APM)
02/2022 - Present	American Society of Clinical Investigation (ASCI)

# **Committee, Organizational and Volunteer Service a. Institutional**

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03/2012 - Present	Member, Institute for Healthcare Policy and Innovation (IHPI), University of
08/2012 - 04/2015	Michigan, Ann Arbor, MI. Faculty Mentor, Biomedical Engineering Senior Capstone Design Class (BME
06/2012 - 04/2013	450/451) University of Michigan School of Engineering, Ann Arbor, MI.
06/2014 - 06/2019	Research Curriculum Redesign Committee, Internal Medicine Residency Program. Division of General Medicine. University of Michigan Health System.
01/2015 - Present	CLABSI Steering Committee, University of Michigan Health System.
01/2019 - Present	Adult Palliative Care Steering Committee, University of Michigan Health System.
09/2019 - 03/2020	Steering Committee, Center for Global Health Equity (M-GLOBE), University of Michigan and Institute for Healthcare Policy and Innovation.
12/2020 – 03/2021	Chief Clinical Officer Selection Committee, University of Michigan Health System.
10/2021 – Present	Voting Member, Medical Executive Committee, University of Colorado School of Medicine, Denver, CO
10/2021 - Present	Board of Directors, CU Medicine, University of Colorado - Denver, Denver, CO
10/2021 – Present	Voting Member, Medical Executive Committee, CU Medicine, University of Colorado - Denver, Denver, CO
10/2021 - Present	Member - Medical Board, University of Colorado Hospital - Anschutz Medical
	Center, Denver, CO
b. National	
04/2008 - 06/2012	Early Career Committee, Society of Hospital Medicine, Philadelphia, PA
07/2011 - Present	Research Committee, Society of Hospital Medicine, Philadelphia, PA
01/2012	Annual Meeting Program Committee – Hospital Medicine. Society of General Internal Medicine, Orlando, FL.
06/2013	Data, Design and Publications Committee, Hospital Medicine Safety (HMS) Consortium. Blue Cross/Blue Shield of Michigan.
10/2013	Choosing Wisely Steering Committee, Society of General Internal Medicine. Alexandria, VA.
11/2013	Annual Meeting Program Committee – Research Track. Society of Hospital Medicine, Las Vegas, NV.
04/2014	Outcomes Clinical Science Study Group, Study Section Member, American Heart Association. Dallas, TX.
11/2014	Annual Meeting Program Committee – Research Track. Society of Hospital Medicine, Washington, DC.
12/2015	South Asian Healthcare Leaders Forum, Harvard University, Boston, MA.
4/2016	Healthcare Infection Control Practice Advisory Committee (HICPAC) Liaison for
	Society of Hospital Medicine. Center for Disease Control (CDC). Atlanta, GA.
1/2016 - 4/2018	Chair, Research Committee, Society of Hospital Medicine, Philadelphia PA.
7/2016 – Present	Member, Steering Committee, iHOPE Patient Engagement Project, Patient Centered Outcomes Research Institute (PCORI).
7/2017 – Present	Chair, Products and Practices Workgroup, Department of Healthcare Quality and Promotion. Centers for Disease Control. Atlanta, GA.
9/2017 – Present	Co-Chair, National Healthcare Safety Network (NHSN) Data Design Workgroup. Department of Healthcare Quality and Promotion. Centers for Disease Control. Atlanta, GA.

4/1/2021 - Present	Council member (elected), Society of General Internal Medicine (SGIM).
c. International	
10/2011	Invited Grant Reviewer, Myles, P. Medical Research Council Fellowship. "The association between the use of statins, fibrates, glitazones, metformin and influenza outcomes." University of Nottingham, United Kingdom.
01/2012	Invited Grant Reviewer, Van de Garde, EM, Proposal Klinische Fellow 40-00703-98-11430. Netherlands Organization for Health Research and
11/2013	Development, (ZonMw). Amsterdam, Netherlands. Leadership Team, University of Michigan and All India Medical Institute for Medical Sciences (AIIMS) Research Collaboration. New Delhi, India.
02/2014	Invited External Peer Referee, Cochrane Peripheral Vascular Disease Review Group, Edinburgh, United Kingdom.
04/2014	Associate Investigator, "Nurse-led Interventions for Patient Safety and Wellbeing in Vascular Access; Advancing the Science Through Partnering with Patients.  National Health and Medical Research Council (NHRMC). Sydney, Australia.
11/2014	Research Methods Faculty Leader. All India Institute of Medical Sciences (AIIMS). New Delhi, India.
1/2015	Associate Investigator, "Novel and Enhanced Securement of Peripherally Inserted Central Catheters: A Multisite Randomized Controlled Trial." Alliance for Vascular Access Teaching and Research. Griffith University, Brisbane, Australia.
2/2015	Member, Data Safety and Monitoring Board, "Replace after Standard Versus Prolonged Use (The RSVP Trial). Griffith University, Melbourne, Australia.
10/2015	Associate Investigator: Center for Research Excellence in Vascular Access Implementation Research (CREVAIR). Griffith University, Brisbane, Australia.
10/2019	Chief Investigator: Wiser Wound Care; Investing in High Volume, High Risk Wound Care Centre of Research Excellence. Griffith University, Brisbane, Australia.
4/4/2021	Invited grant reviewer, Swiss National Science Foundation, "Ambizione" Application number 201672. Careers Division. Berne, Switzerland.
2/1/2021	Invited reviewer – Fellowship Competition, The Healthcare Improvement Studies (THIS) Institute, London, United Kingdom.

#### **Certification and Licensures**

01/2001 – Preser	nt Registered Practitioner of Medicine. Mumbai, India
01/2002 - Preser	t Certification, Educational Commission for Foreign Medical Graduates (ECFMG)
08/2005 - Preser	nt Diplomate, American Board of Internal Medicine
08/2005 - 07/20	10 Physicians License, State of Arkansas
08/2005 - Preser	rt Federal Controlled Substance License, DEA
04/2008 - Preser	nt Physicians License, State of Michigan
04/2008 - Preser	nt Controlled Substance License, State of Michigan
01/2002 - Preser	nt ACLS Certification

### **Patents and Intellectual Property Development**

02/2009 *US Patent #61/148,783: Medical Communication System for Health Care Practitioners.*This invention enhances sharing of medical information among health care teams. It

maps medical-staff workflow and messaging to wireless, mobile-client systems using intelligent rules and privacy principles for healthcare application. The patent is currently licensed to Synaptin, LLC, an Ann Arbor based healthcare technology firm. The concept leading to this patent was honored as "Innovation of the Year," at the Society of Hospital Medicine Annual Meeting, 2010.

02/2014

US Patent Pending: Intelligent Safety Intervention System. This invention features an electronic, wireless sensor system that tracks the presence and duration of indwelling urinary and vascular catheters and other medical devices in hospitalized patients. The system uses a proprietary technology and workflow to graphically alert providers to catheter presence and duration using a light-panel affixed to patient beds.

#### **Editorial Positions and Boards**

01/2010 - Present	Editorial Board, American Journal of Medicine
01/2012-12/2018	Associate Editor, Journal of Hospital Medicine
12/2013 - Present	Editorial Board, Journal of the Association of Vascular Access
01/2014 - Present	Editorial Board, Journal of Vascular and Interventional Radiology
08/2014 - Present	Editorial Board, Journal of Infusion Nursing
01/2016 - 2018	Feature Editor, Annals for Hospitalists, Annals of Internal Medicine
11/2018 - 10/2020	Editorial Board, Annals of Internal Medicine
1/2019 - 09/2020	Deputy Editor, Journal of Hospital Medicine
2/2021 – Present	Deputy Editor, Annals of Internal Medicine

#### **Peer Review Service**

01/2012 - Present	Peer reviewer for multiple journals including New England Journal of Medicine, Journal American Medical Association, Lancet, Annals of Internal Medicine, British Medical Journal, Circulation, Journal Hospital Medicine among 30 others.
10/24/2019	Temporary member (Primary Assigned Reviewer), Clinical Trials Review Committee. Heart, Lung and Blood Initial Review Group National Heart Lung and Blood Institute (CLTR 377472).
02/01/2021	Invited External reviewer, The Healthcare Improvement (THIS) Institute, United Kingdom

#### Visiting Professorships, Seminars and Extramural Invited Presentations

04/2010	Making Your Mark: How to Create Effective PowerPoint Presentations. Society of Hospital Medicine Annual Meeting. Washington, DC.
05/2010	Perioperative Medicine – State of the Art. Internal Medicine Grand Rounds. St. Mary's Mercy Hospital. Livonia, Michigan.

11/2011	Prevention of Perioperative Myocardial Infarction: Meet The Experts. Using statins and biomarkers to prevent perioperative myocardial infarction. American Heart Association Scientific Sessions. Orlando, FL.
04/2012	Is Current Statin Use Associated with Reduced Mortality After Pneumonia? Oral Research Presentation. Society of Hospital Medicine Annual Meeting. San Diego, CA.
05/2012	Eye Candy: Making Your Presentations Irresistible. Society of General Internal Medicine Annual Meeting. Orlando, FL.
09/2012	"Can Bundles Produce Sustained Reductions in catheter-related bloodstream infection?" American Society of Microbiology and Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC) Annual Meeting. San Francisco, CA.
04/2013	<i>"PICC Related Infectious Complications."</i> 33 <sup>rd</sup> Annual Infectious Disease Symposium. Creighton University, Omaha, Nebraska.
06/2013	"Why We Need to be Piccy: The Problem with Peripherally Inserted Central Catheters." Internal Medicine Grand Rounds, Department of Internal Medicine. University of Michigan Health System.
09/2013	"Diagnosis and Management of PICC-Related Deep Vein Thrombosis." Association for Vascular Access Annual National Meeting. Nashville, TN.
09/2013	Choosing Wisely: Avoid placing PICCs in hospitalized patients for convenience. Society of General Internal Medicine Midwest Meeting. Chicago, IL.
09/2014	"PICC-Associated Bloodstream Infection: Patterns and Predictors." Association of Vascular Access National Scientific Meeting. National Harbor, Washington, DC.
09/2014	"PICC-DVT: The Elephant is in The Room." Keynote address. Association of Vascular Access National Scientific Meeting. National Harbor, Washington, DC.
09/2014	"PICC Use in Michigan Hospitals: A Work in Progress." Keystone Safer Care Conference. Michigan Hospital Association. East Lansing, MI.
09/2014	Visiting Professor, Internal Medicine Grand Rounds Speaker. Baystate Medical Center. Springfield, MA
10/2014	"Engineering new safety solutions: The Case for Peripherally Inserted Catheters." Center for Healthcare Engineering and Patient Safety (CHEPS). Department of Industrial and Operational Engineering, University of Michigan. Ann Arbor, MI
12/2014	"Asking Scientifically Valid Research Questions: True, True and Related." All India Institute for Medical Sciences and University of Michigan Research Symposium. New Delhi, India.

12/2014	"Designing for Success: Cohort, Case Control and Cross-Sectional Studies." All India Institute for Medical Sciences and University of Michigan Research Symposium. New Delhi, India.
05/2015	"Are PICCs the Central Venous Catheters of the Future?" European Society of Anesthesiology. Berlin, Germany.
06/2015	"Novel approaches to Improving Central Venous Catheter Design and Safety." Bard Vascular Access Systems. Salt Lake City, UT.
09/2015	"PICCs: The Right Line for Everyone?" American College of Physicians Michigan Meeting, Traverse City, MI.
11/2015	"What's New in Catheter Thrombosis." National Academy of Infusion Nurse Training. Dallas, TX.
12/2015	"The Role of Hospitalists in the Prevention of Hospital-Acquired Infection." International Symposium on Hospital Medicine in India. Kochi, India.
02/2016	"Are PICCs the Central Venous Catheters of the Future?" St. Josephs Mercy Medical Center, Livonia, Michigan.
02/2016	"Choosing the Right Vascular Device: Does Science Meets Practice?" Annual Continuing Medical Education Meeting, Winchester Medical Center, Winchester, VA.
03/2016	"How to Become an Effective Mentee." Society of Hospital Medicine Annual Meeting. San Diego, CA.
03/2016	Visiting Professor, Internal Medicine Grand Rounds Speaker. Lincoln Memorial Medical Center (Columbia University). New York, NY.
04/2016	"Device Selection: Evidence of Absence or Absence of Evidence?" Keynote speaker, Australian Vascular Access Society, Brisbane, Australia.
05/2016	"Being PICCy: Why We Need to Choose Wisely." Princess Alexandria Hospital, Medicine Grand Rounds, Brisbane, Australia.
05/2016	Visiting Professor, Grand Rounds Speaker, Division of Healthcare Research and Health Policy. Weill Cornell University School of Medicine. New York, NY.
06/2016	"Choosing the Right Vascular Device: Does Science Meets Practice?" Second Annual Interdisciplinary Ultrasound Symposium. St. Joseph's Health System. Patterson, NJ.
06/2016	"Chlorhexidine and the Exit Site" World Congress of Vascular Access. Lisbon, Portugal.

09/2016	"Are PICCs the CVC of the Future?" Lakeland Health, St. Joseph, MI.
09/2016	"Are PICC's the CVC of the Future?" ICU Workshop, MHA Keystone Center, Grand Rapids, MI.
09/2016	"Introducing MAGIC for Venous Access." Association for Vascular Access (AVA) 30 <sup>th</sup> Annual Scientific Meeting, Orlando, FL.
01/2017	"Vascular Access Device Choices: Why It Matters." University of Texas, San Antonio. Visiting Professor, San Antonio, TX.
01/2017	"Are PICC's the CVC of the Future?" State University of New York (SUNY) Brooklyn. Visiting Professor, Brooklyn, NY.
1/2017	"Are PICCs the CVC of the Future?" Buckeye Infusion Nurses Society (INS), Cincinnati, OH.
02/2017	"Chlorhexidine for prevention of healthcare-associated infections: What's New, What's Not." Infectious Diseases Symposium, Amrita Institute, Kochi, Kerala, India.
2/2017	"The Michigan Appropriateness Guide for Intravenous Catheters (MAGIC)." Saxe Communications Webinar.
02/2017	"Gearing up for a Research Career." Visiting Professor at Okinawa Kyodo-University. Okinawa, Japan.
02/2017	"Inserting the Correct Vascular Access Device for the Correct Indication." American Society for Parenteral and Eternal Nutrition (ASPEN), Orlando, FL.
03/2017	"Infection Prevention: A Hierarchy of Controls Approach." Medscape/CDC CME Recording, Atlanta, GA.
04/2017	"Are PICCs the CVC of the Future?" Cincinnati Children's Hospital Medical Center, Cincinnati, OH.
04/2017	"Are PICCs the CVC of the Future?" Visiting Professor, Henry Ford Hospital, Detroit, MI.
04/2017	"Are PICCs the CVC of the Future?" League of Intravenous Nursing and Trainers 2016 Annual Conference "A Bright Future for Vascular Access, Farmington, PA.
07/2017	"Why We Need a Little Bit of MAGIC" Albert Einstein Israelita Hospital, International Symposium on Intravenous Infusion and Therapy. Sao Paolo, Brazil.
09/2017	"Making MAGIC in Michigan" Keynote Presentation. Association of Vascular Access Annual Scientific Meeting. Phoenix, AZ.

09/2017	Visiting Professor, Baylor College of Medicine and VA Quality Scholars Program. Houston, TX.
09/2017	"The Truth about PICCs: Why You Need some MAGIC" Internal Medicine Grand Rounds, Baylor College of Medicine, Houston, TX.
09/2017	"Introducing MAGIC" VA Quality Scholars Program, iQUEST, Michael DeBakey VA Medical Center (transmitted to 19 VA sites across the US) Houston, TX.
10/2017	"Systems for Patient Safety: Social Engagement, Leadership and Mindfulness to Improve Hand Hygiene." International Safety and Quality Conference (ISQUA). London, UK.
10/2017	"Applying MAGIC to Improve Outcomes in Michigan." Arkansas Hospital Association Annual Scientific Meeting. Little Rock, AR.
10/2017	Visiting Professor, St. Vincent's Infirmary/Catholic Health Initiatives. "An Update on Central Venous Catheters – What's New with PICCs?" St. Vincent's Infirmary/Catholic Health Initiatives. Little Rock, AR.
11/2017	"Revisiting Vascular Access – What do we really know?" Infusion Nursing Academy. Atlanta, GA.
01/2018	Visiting Professor, Mayo Clinic, Hospital Internal Medicine. "The Truth About PICCs." Rochester, MN.
02/2018	"PICC Associated Bloodstream Infection: What's New, What's True?" Hospital Samaritano Americas, Sao Paolo, Brazil.
02/2018	"Making MAGIC in Michigan – A Tiered Implementation Strategy." Hospital Samaritano Americas, Sao Paolo, Brazil.
03/2018	"The Michigan Appropriateness Guide for Intravenous Catheters: A Primer." Intravenous Nursing Society, New Zealand.
03/2018	"Preventing PICC-Associated Complications: What's Michigan got to do with it?" Auckland District Health Board, Auckland, New Zealand.
03/2018	Visiting Professor, Griffith University. Brisbane, Australia. "Making Safety of IV devices your business – and how to grow your research in this field."
04/2018	"How to become an effective mentee." Academic Summit, 2018 Society of Hospital Medicine Annual Meeting. Orlando, FL.
04/2018	"How to conduct an effective (and publishable) systematic review." 2018 Society of Hospital Medicine Annual Meeting. Orlando, FL.

04/2018	"Home infusion therapy: how a little bit of MAGIC can help." 2018 National Home Infusion Association. Phoenix, AZ.
05/2018	"Are PICCs the CVC of the Future?" Visiting Professor, Allegheny General Hospital. Pittsburgh, PA.
05/2018	"What Every Clinician Should Know Before Choosing a PICC." Department of Medicine Grand Rounds. Allegheny General Hospital. Pittsburgh, PA.
06/2018	"Who is ready for a little bit of MAGIC?" Department of Medicine Grand Rounds, St. Johns Hospital. Central Michigan University. Saginaw, MI.
07/2018	"Diagnosis, Treatment and Prevention of Catheter-Associated Thrombosis." Hospital de Clinicas Porto Allegre, Porto Allegre, Brazil (delivered via Skype)
10/2018	"Choosing a Central Venous Catheter in Hospitalized Patients." Department of Medicine Grand Rounds. Mid-Michigan Health Center, Midland MI.
10/2018	"Using Peripherally Inserted Central Catheters in Skilled Nursing Facilities – What (not) to do!" Preventing Resistance and Infection by Integrating Sites in Michigan (PRIISM) Collaborative. Ann Arbor, MI.
11/2018	"Is the PICC the right device for your patient?" Section of Hospital Medicine Grand Rounds, Cleveland Veterans Health Administration System and University Hospitals Case Western. Cleveland, OH.
11/2018	Visiting Professor, Department of Infectious Diseases and Infection Prevention. Singapore General Hospital and National University Hospital of Singapore. Republic of Singapore.
11/2018	Visiting Professor and Internal Medicine Grand Rounds Speaker, Juntendo University Hospital, Tokyo, Japan.
11/2018	"Whose Line is it Anyway?" Michigan Vascular Access Network State Meeting. Plymouth, Michigan.
12/2018	"Are PICCs the CVC of the Future?" Visiting Professor and Department of Medicine Grand Rounds Speaker, Rush University School of Medicine, Chicago, IL.
01/2019	"What Makes for Good Decision-Making in Vascular Access" GulfVAN Florida Network State Meeting. Tampa, FL.
02/2019	"What Mentors Wish Their Mentees Knew" Visiting Professor and Department of Medicine Grand Rounds Speaker, Weill Cornell Medical Center, New York, NY.

"Islands of Mindfulness Within Oceans of Chaos" Positive Links Speaker Series. Ross 03/2019 School of Business and Center for Positive Organizational Science. University of Michigan. Ann Arbor, Michigan. 04/2019 "Are PICCs the CVC of the Future?" Visiting Professor and Department of Medicine Grand Rounds Speaker, University of Wisconsin, Milwaukee. Milwaukee, WI. "A Culture of Safety in 2019 - An Organizational Perspective" Society for Healthcare 04/2019 Epidemiology of America. Boston, MA. 04/2019 "Mentor-Mentee Relationships – How to Make the Most of Your Relationship." Society for Healthcare Epidemiology of America. Boston, MA. 05/2019 "Rethinking Vascular Access: The Case for (and against) Peripherally Inserted Central Catheters." Department of Medicine Grand Rounds Speaker, University of Michigan, Ann Arbor, MI. 06/2019 "Use of Peripherally Inserted Central Catheters in Chronic Kidney Disease: Too Much of a Bad Thing." World Congress of Vascular Access, Sao Paolo, Brazil. 06/2019 "Introducing the i-Decided tool to identify, remove and replace idle venous catheters." World Congress of Vascular Access, Sao Paolo, Brazil. "Vascular Access in Cancer Patients – Clinical Implications" Invited presentation and 09/2019 Invited External Reviewer/Faculty Opponent for Ph.D. dissertation (Dr. Knut Taxbro). Linkoping University, Linkoping, Sweden. 10/2019 "Tracking and Preventing Complications of Central Lines in Outpatient Settings." Infectious Disease (ID) Week. Washington, DC. 11/2019 "Rethinking Vascular Access - Whats New?" Department of Internal Medicine Grand Rounds, Massachusetts General Hospital, Harvard Medical School. Boston, MA. 01/2020 "Quality, Quantity and Vascular Access Devices" Thorndike Visiting Professor and Quality Grand Rounds, Brigham and Womens Hospital, Harvard Medical School, Boston, MA. 01/2020 "Mindful Mentoring: How to Achieve the Best Relationship with Your Mentor." Grand Rounds, Department of Radiology, Massachusetts General Hospital, Harvard Medical School, Boston, MA. 01/2020 "Are PICCs the CVC of the Future?" Visiting Professor and Department of Medicine Grand Rounds Speaker, Section of Hospital Medicine, Department of Medicine.

University of Pennsylvania, Philadelphia, PA.

"Vascular Access in Cancer." Plenary Session, Society for Interventional Oncology, 01/2020 New Orleans, Louisiana. "COVID and Michigan: What have we learned?" Keynote lecture, Association for 10/2020 Vascular Access, National Scientific Meeting, Phoenix, AZ (delivered virtually) 11/2020 "Introducing the Center for Disease Control and Preventions Novel Approach to Evaluating Products for Infection Prevention." Association for Vascular Access, National Scientific Meeting, Phoenix, AZ (delivered virtually) "Are PICCs the Central Venous Catheter of the Future?" Department of Medicine Grand 11/2020 Rounds, Henry Ford Hospital, Detroit, MI. Keynote speaker: "Appropriate IV Access: MAGIC and More." Cleveland Clinic Update 07/2021 in Hospital Medicine. OH, Cleveland.

#### **Intramural Lectures and Presentations**

07/2008	"Acute Coronary Syndromes." Invited Lecture, Medicine Faculty Hospitalist Physician- Assistant Training Program. University of Michigan, Ann Arbor, MI
08/2008	"Osteomyelitis: A Medical Bone Disease." Invited Lecture, Medicine Faculty Hospitalist Physician-Assistant Training Program. University of Michigan, Ann Arbor, MI
09/2008	"Perioperative Consultations – Paradigms and Pitfalls." University of Michigan Residency Program, Newburgh Service. University of Michigan, Ann Arbor, MI
02/2009	"Redefining Medical Communication: Introducing MComm." Hospital Medicine Grand Rounds. University of Michigan, Ann Arbor, MI
12/2009	"Atrial Fibrillation: Avenues and Advances." University of Michigan IM Residency Program, Medicine Sturgis Service. University of Michigan, Ann Arbor, MI
12/2009	Intrinsic Renal Failure. University of Michigan IM Residency Program, Medicine Sturgis Service. University of Michigan, Ann Arbor, MI
12/2009	Antiplatelet therapies and GI-bleeding: pros and cons. University of Michigan IM Residency Program, Medicine Sturgis Service. University of Michigan, Ann Arbor, MI
12/2009	Intern and Resident Morning Report-Faculty. University of Michigan IM Residency Program, Ann Arbor, MI
01/2010	Resident Board Review – MKSAP Made Easy. University of Michigan IM Residency Program, Ann Arbor, MI

02/2010	Resident Board Review – MKSAP Made Easy. University of Michigan IM Residency Program, Ann Arbor, MI	
03/2010	Perioperative Practice: A, B, Cs. Division of Geriatric Medicine Grand Rounds. University of Michigan, Ann Arbor, MI	
02/2011	Resident Grand Rounds – Perioperative Risk Stratification: State of the Art. University of Michigan IM Residency Program, Ann Arbor, MI	
03/2011	Perioperative Evaluation 101. Resident Noon Conference, Division of General Internal Medicine. University of Michigan, Ann Arbor, MI	
08/2011	Resident Morning Report, "Case Presentation" University of Michigan IM Residency Program, Ann Arbor, MI	
08/2011	Intern Report, University of Michigan IM Residency Program, Ann Arbor, MI	
08/2011	MS1/MS2 Decision Based Learning and Evidence Based Medicine-Small Group Leader. University of Michigan School of Medicine, Ann Arbor, MI	
09/2011	Intern Report, University of Michigan IM Residency Program, Ann Arbor, MI	
10/2011	Resident Morning Report, "Case Presentation" University of Michigan IM Residency Program, Ann Arbor, MI	
12/2011	Resident Morning Report, "Case Presentation" University of Michigan IM Residency Program, Ann Arbor, MI	
01/2012	Resident Morning Report, "Case Presentation" University of Michigan IM Residency Program, Ann Arbor, MI	
02/2012	Resident Morning Report, "Case Presentation" University of Michigan IM Residency Program, Ann Arbor, MI	
03/2012	Resident Morning Report, "Case Presentation" University of Michigan IM Residency Program, Ann Arbor, MI	
04/2012	Resident Morning Report, "Case Presentation" University of Michigan IM Residency Program, Ann Arbor, MI	
05/2012	Resident Morning Report, "Case Presentation" University of Michigan IM Residency Program, Ann Arbor, MI	
07/2012	Resident Morning Report, "Case Presentation" University of Michigan IM Residency Program, Ann Arbor, MI	

09/2012	Resident Morning Report, "Case Presentation" University of Michigan IM Residency Program, Ann Arbor, MI	
10/2012	Resident Morning Report, "Case Presentation" University of Michigan IM Residency Program, Ann Arbor, MI	
12/2012	Resident Morning Report, "Case Presentation" University of Michigan IM Residency Program, Ann Arbor, MI	
02/2013	Resident Journal Club. University of Michigan IM Residency Program, Ann Arbor, MI.	
06/2013	Medicine Grand Rounds "Why we should be Piccy: The Problem with Peripherally inserted Central Catheters", University of Michigan, Department of Internal Medicine Ann Arbor, MI	
07/2013	Resident Morning Report, "Case Presentation" University of Michigan IM Residency Program, Ann Arbor, MI	
09/2013	Resident Morning Report, "Case Presentation" University of Michigan IM Residency Program, Ann Arbor, MI	
10/2013	Resident Morning Report, "Case Presentation" University of Michigan IM Residency Program, Ann Arbor, MI	
12/2013	Resident Morning Report, "Case Presentation" University of Michigan IM Residency Program, Ann Arbor, MI	
04/2014	Research Career Development Core Seminar: "The Use of PICCs in Skilled Nursing Facilities," Department of Geriatrics, University of Michigan Health System, Ann Arbor, MI	
08/2014	Resident Research Curriculum Seminar: "Getting Research Done," Department of Internal Medicine, University of Michigan Health System, Ann Arbor, MI	
09/2014	Resident Morning Report, "Case Presentation" University of Michigan IM Residency Program, Ann Arbor, MI	
07/2015	Resident Research Curriculum Seminar: "Jumpstarting Research," Department of Inter Medicine, University of Michigan Health System, Ann Arbor, MI	
12/2015	Clinical Approach and Evaluation of Acute Dyspnea. M3 Internal Medicine Clinical Sequence Lecture Series. University of Michigan School of Medicine, Ann Arbor, MI	
3/2016	Resident Noon Conference: "Writing a Professional CV," Department of Internal Medicine, University of Michigan Health System, Ann Arbor, MI	

6/2016	Intern Boot Camp: "How to Find a Research Mentor and Project." Department of Internal Medicine, University of Michigan Health System, Ann Arbor, MI
8/2016	Institute for Healthcare Policy and Innovation (IHPI) Clinician Scholars Cohort, "Literature Review and Meta-Analysis." University of Michigan Health System, Ann Arbor, MI
2/2017	University of Michigan and India Collaboration: A Research Overview. General Medicine Research Conference. University of Michigan Health System, Ann Arbor, MI
2/2018	Resident Noon Conference: "Writing a Professional CV," Department of Internal Medicine, University of Michigan Health System, Ann Arbor, MI
3/2018	Center for Positive Organizations. "Mindfulness in Medicine." Ross School of Business and the Center for Positive Organizations. Ann Arbor, MI.
10/2018	University of Michigan School of Medicine. "How to be an Effective Mentee." M1 medical students, IMPACT Program, Ann Arbor, MI.
11/2018	University of Michigan Internal Medicine Research Retreat. "Achieving the Best Relationship with Your Mentor." Ann Arbor, MI.
02/2019	University of Michigan Internal Medicine Residency Program. "When Men Mentor Women: What You Need to Know." Gender Equity Initiative, Ann Arbor, MI.
09/2019	Inclusive Mentoring: A Discussion for Staff and Faculty. Invited Panelist, Diversity Week. Michigan Institute for Clinical and Health Research (MICHR). Ann Arbor, MI.
09/2019	How to Be an Outstanding Mentor and Mentee. Diagnostics and Therapeutics Branch, University of Michigan School of Medicine. Ann Arbor, MI.
11/2020	Mindful Mentorship: Achieving the best relationship with your mentor (and mentee). Division of Hospital Medicine. University of Michigan. Ann Arbor, MI
01/2021	Mindful Mentorship: Achieving the best relationship with your mentor (and mentee). Cancer care and coordination training program (T32) invited seminar speaker. University of Michigan. Ann Arbor, MI.

# Teaching

01/2006- 07/2008	Site Director, University of Arkansas College of Pharmacy, Hospitalist Monitoring Service. Hot Springs, Arkansas
07/2008 - 06/2009	Teaching Faculty, Medicine Faculty Hospitalist Physician-Assistant Service, University of Michigan Health System, Ann Arbor, MI

07/2008 - Present	General Internal Medicine Ward Attending, University of Michigan Health System, Ann Arbor, MI
07/2009 - 06/2010	Faculty Mentor, PGY-III Research Project. Benjamin Plaisance, MD "Cardiac Troponin – New Ways to Look at An Old Friend."
07/2009 – 06/2010	Faculty Mentor, PGY-III Research Project. Sarah Toner, MD "The clinical significance of incidental findings detected via chest CT for Pulmonary Embolism."
12/2009 – 12/2010	Faculty Mentor, PGY-II Research Project. Brian Mott, MD. "Nebivolol: An Unusual beta-blocker."
05/2012 - 06/2013	Faculty Mentor, PGY-II Patient Safety and Quality Improvement Project. Sushant Govindan MD, Melissa Langdon MD, Beth Brenner MD, "House staff awareness of indwelling central venous catheter use."
02/2012 - 06/2013	Faculty Mentor, PGY-II Patient Safety and Quality Improvement Project. David Saxon, MD and Alexander Pearson, MD. "Using hyperlinks to improve statistical teaching in journal articles."
10/2011 - 06/2013	Faculty Mentor, PGY-II Research Project. Rajesh Patel, MD. "The Role of Social Media in Management of Chronic Disease."
10/2011 - 06/2013	Faculty Mentor, PGY-II Research Project. Christopher Petrilli, MD. "Does Physician Attire Influence Patient Satisfaction?"
05/2012 - Present	Faculty Mentor, Summer Biomedical Research Program, University of Michigan School of Medicine.
08/2013 - Present	Instructor - Systematic Review and Meta-Analysis: Summer and Fall Methods Series. Robert Wood Johnson Clinical Scholars Program, Ann Arbor, MI.
07/2014 - Present	Faculty Mentor, Internal Medicine Residency Research Curriculum, University of Michigan Health System, Ann Arbor, MI.
07/2014 - Present	Junior Mentor, Sushant Govindan MD (Institute for Healthcare Policy and Innovation Fellowship/Pulmonary and Critical Care T32 Program)
07/2015 - 06/2017	Primary Mentor, Valerie Vaughn, MD (Institute for Healthcare Policy and Innovation Fellowship/Hospital Medicine Fellowship Program)
07/2015 - Present	Junior Mentor, Pooja Lagisetty, MD, Research Fellow, Robert Wood Johnson Clinical Scholars Program

07/2015 - 06/2016	Junior Mentor, Elena Byhoff, MD, Research Fellow, Robert Wood Johnson Clinical Scholars Program
07/2015 - Present	Primary Mentor, Rachel Kramer, Medical Student, Class of 2018, University of Michigan Medical School
09/2015 - 06/2017	Primary Mentor, Jasleen Tiwana, MD, Internal Medicine Resident/Health Services Research Trainee, University of Michigan
12/2015 – Present	Primary Mentor, David Paje, MD, Director Medical Short Stay Unit, University of Michigan Health System
07/2016 - Present	Primary Mentor, David Bozaan, MD, Medicine Faculty Hospitalist and Staff Physician at the VA Ann Arbor Health System
07/2016 - 06/2018	Primary Mentor, Christopher Petrilli, MD. Assistant Professor, Medicine Faculty Hospitalist and Staff Physician at the VA Ann Arbor Health System
07/2016 – Present	Primary Mentor, Valerie Vaughn MD, MSc. Assistant Professor of Medicine and Research Scientist. Division of Hospital Medicine, University of Michigan Health System.
07/2016 - Present	Primary Mentor, Nauzley Abedini. National Clinician Scholars Program Research Fellow. Division of Hospital Medicine, University of Michigan Health System.
09/2016 - Present	Primary Mentor, Tessa Adzemovic, Medical Student, Class of 2020. University of Michigan Medical School
11/2016 - Present	Primary Mentor, Ashwin Gupta MD. Assistant Professor, Medicine Faculty Hospitalist and Staff Physician at the VA Ann Arbor Health System
11/2018 - Present	Faculty Mentor, PGY-II Research Project. Julian Buchinger MD. "What do patients families think about contact isolation precautions?"
07/2018 - Present	Primary Mentor, David Flood. National Clinician Scholars Program Research Fellow. Division of Hospital Medicine, University of Michigan Health System.
07/2020 - Present	Primary Mentor, Jaimie Patel. Clinical Instructor, Medicine Faculty Hospitalist, Division of Hospital Medicine, University of Michigan Health System.

# **Grants and Funding**

Pending

Principal Investigator: "Midline Vs. PICCs for Intravenous Antibiotic Therapy: The MVP Trial." Agency for Healthcare Quality and Safety (AHRQ). 1-R01 HS028399-01-A1. \$1,680,220

Co-Principal Investigator (Krein): "Using a Veteran-Centered Design Approach to Improve Home Vascular Access Device Care." Veterans Health Administration Health Services Research and Development. 1 I01 HX003232-01 - \$1,199,707.

Principal Investigator: "A Patient-Centered Design Approach to Improving Home Vascular Device Care." Agency for Healthcare Quality and Safety (AHRQ). 1-R01 HS028797-01."

Co-Principal Investigator: "The Ann Arbor VA Patient Safety Center of Inquiry [PSCI]" VA HSR&D. \$1,840,230

Co-Investigator (PI: Raghavendran): "Capacity building for traumatic brain injury in India." 1-D43NS125879-01. \$1,233,349.

#### Current Funding

08/01/18 – 07/30/22 Principal Investigator: "Implementing MAGIC to Improve Peripherally Inserted Central Catheter Safety. Agency for Healthcare Quality and Safety (AHRQ). 1

R18 HS025891-01 - \$1,220,045.

01/11/2018-10/30/22 Co-Investigator (PI: Ullman) Peripherally Inserted Central Catheter Innovation to Reduce Infections and Clots: The PICNIC Trial. APP1157178 National Health

and Medical Research Council, Australia. AUS\$706,582

09/01/20 – 07/30/24 Chief Investigator E (CI-E): Center for Research Excellence in Wiser Wound

Care. National Health and Medical Research Council, Australia. APP-11-96436.

AUS\$ 2,500,000.

7/01/15-6/30/24 Co-Investigator (PI Flanders): "Michigan Hospital Medicine Safety (HMS)

Consortium." Blue Cross/Blue Shield Foundation of Michigan - \$1,058,063

Past Funding

9/30/15-9/29/19 Co-Investigator and Project Lead (PI Saint): "Enhancing Patient Safety through

Cognition & Communication: The "M-Safety Lab". 1P30HS024385-01. Agency

for Healthcare Research and Quality (AHRQ) - \$3,967,320

1/01/16-12/31/19 Co-Investigator (PI: Rickard) "Peripherally InSerted CEntral catheter dressing

and Securement: the PISCES Trial." National Health and Medical Research

Council, Sydney, Australia. AUS\$1,101,717

06/01/18 – 05/30/20 Principal Investigator: "Understanding use of Peripherally Inserted Central

Catheters (PICCs): System, Provider, Patient Perspectives." Veterans Health

	Administration Health Services Research and Development. 1 I01 HX-002025-01A1 - \$884,545.
07/01/14-3/31/18	Co-Investigator (MPI Saint/Krein): "Identifying and Reducing Catheter-Related Complications." 1 I01 HX001101-01. Department of Veterans Affairs, HSR&D - \$1,186,637
10/01/15-09/30/18	Co-Investigator and Project Lead (PI Saint): "Enhancing Patient Safety by Preventing Device-Associated Harm" (PSCI II). VA National Center for Patient Safety – \$842,000
10/01/15-9/30/18	Co-Investigator (PI Saint): "Engaging Partners in Infection Prevention and Control in Acute Care Hospitals;" Center for disease Control (CDC) and American Hospital Association - \$1,372,035.
05/1/14-04/30/18	Principal Investigator: "Improving Peripherally Inserted Central Catheter Use in Hospitalized Patients." 1K08 HS022835–01. Agency for Healthcare Research and Quality (AHRQ) - \$607,953
9/21/15-6/30/17	Co-Investigator (Rajajee/Raghavendran): "Optic nerve ultrasound in severe traumatic brain injury" R03. National Institutes of Health (NIH) \$232,875
9/14/15-3/13/17	Co-Investigator (Saint/Meddings): "Comprehensive Unit-based Safety Program (CUSP) to reduce Central Line-associated Blood Stream Infections (CLABSI) and Catheter-associated Urinary Tract Infections (CAUTI) in Intensive Care Units (ICU) with persistently elevated infection rates. Health Research & Educational Trust (HRET)/ Agency for Healthcare Research and Quality (AHRQ) - \$602,393
1/01/13-12/31/13	Principal Investigator: "Prevalence and Patterns of PICC-Associated Bloodstream Infection: A Retrospective Study of Veterans." VA LIP 41-127 - \$25,731
12/01/12-11/30/13	Principal Investigator: "Hospitalist Patterns of Use, Knowledge and Experiences Associated with Peripherally Inserted Central Catheters: A Michigan and National Survey." 1931.PIRAP Blue Cross/Blue Shield Foundation of Michigan - \$9,900
08/01/13-07/30/14	Principal Investigator: "Improving the Appropriateness of Peripherally Inserted Central Catheter Use in Hospitalized Patients." Society of Hospital Medicine Foundation Award \$25,000
09/01/13-08/30/14	Principal Investigator: "Improving Vascular Access Safety in Older Adults." Claude D. Pepper Older Americans Independence Center (OAIC), National Institute of Aging. – \$19,036
09/01/13-8/31/14	Principal Investigator: "Prevalence, Patterns and Problems Associated with Long-term Venous Access in Skilled Nursing Facilities: A mixed-methods study."

Claude D. Pepper Older Americans Independence Center (OAICs) PESC Pilot Award, National Institute of Aging. \$40,000

01/15/15-01/14/16 Principal Investigator: "Vascular Access Nursing Practices Related to Peripherally Inserted Central Catheters: The PICC One Survey". Blue Cross/Blue Shield Foundation of Michigan - \$75,000.

#### **Bibliography**

Peer-Reviewed Publications

- 1. **Chopra V**, Cavusoglu E, Marmur JD. The role of clopidogrel in the management of patients with ischemic heart disease. *Cardiovasc Drugs Ther*. 2003;17(5-6):467-477.
- 2. Cavusoglu E, Ruwende C, **Chopra V**, Yanamadala S, Eng C, Clark LT, Pinksy DJ, Marmur JD. Tissue Inhibitor of Metalloproteinase-1 [TIMP-1] is an independent predictor of all-cause mortality, cardiac mortality and myocardial infarction. *Am Heart J.* 2006;151(5):1108-1120.
- 3. Cavusoglu E, Ruwende C, **Chopra V**, Yanamadala S, Eng C, Clark LT, Pinsky DJ, Marmur JD. Adiponectin is an independent predictor of all-cause mortality, cardiac mortality, and myocardial infarction in patients presenting with chest pain. *European Heart J.* 2006;27(19):2300-2309.
- 4. Cavusoglu E, Gupta A, **Chopra V**, Clark LT, Eng C, Marmur JD. Usefulness of anemia in men as an independent predictor of two-year cardiovascular outcomes in patients presenting with acute coronary syndromes. *Am J Cardiol*. 2006;98:580-584.
- 5. Cavusoglu E, **Chopra V**, Gupta A, Ruwende C, Yanamadala S, Eng C, Clark LT, Pinsky DJ, Marmur JD. Usefulness of the white blood cell count as a predictor of angiographic findings in an unselected population referred for coronary angiography. *Am J Cardiol.* 2006;98(9):1189-1193.
- 6. **Chopra V**, Choksi P, Cavusoglu E. Beyond lipid lowering: the anti-hypertensive role of statins. *Cardiovasc Drugs Ther.* 2007;21(3):161-169.
- 7. Cavusoglu E, Eng C, **Chopra V**, Clark LT, Pinsky DJ, Marmur JD. Low plasma RANTES levels are an independent predictor of cardiac mortality in patients referred for coronary angiography. *Arterioscler Thromb Vasc Biol.* 2007;27(4):929-935.
- 8. Cavusoglu E, Ruwende C, Eng C, Chopra V, Yanamadala S, Clark LT, Pinsky DJ, Marmur JD. Usefulness of baseline plasma myeloperoxidase levels as an independent predictor of myocardial infarction at two years in patients presenting with acute coronary syndrome. *Am J Cardiol*. 2007;99(10):1364-1368.
- 9. Cavusoglu E, Eng C, **Chopra V**, Ruwende C, Yanamadala S, Clark LT, Pinsky DJ, Marmur JD. Usefulness of the serum complement component c4 as a predictor of stroke in patients with known or suspected coronary artery disease referred for coronary angiography. *Am J Cardiol*. 2007;100(2):164-168.

- 10. Cavusoglu E, Kornecki E, **Chopra V**, Sobocka M, Babinska A et al. Association of plasma F11-receptor/junctional adhesion molecule-1(F11R-JAM-A) levels with human atherosclerosis. *J Am Coll Cardiol*. 2007;50(18):1768-1776.
- 11. Cavusoglu E, Chabbra S, **Chopra V**, Eng C, Gupta A, Yanamadala S, Pinsky DJ, Marmur JD. Relation of baseline plasma phospholipid levels to cardiovascular outcomes at two years in men with acute coronary syndrome referred for coronary angiography. *Am J Cardiol*. 2007;100(12):1739-1743.
- 12. Cavusoglu E, **Chopra V**, Battala V, Ruwende C, Yanamadala S, Eng C, Pinsky DJ, Marmur JD. Baseline plasma adiponectin levels as a predictor of left ventricular systolic dysfunction in patients referred for coronary angiography. *Am J Cardiol*. 2008;101(8):1073-8. PMCID Not Required.
- 13. **Chopra V**, Plaisance B, Cavusoglu E, Flanders SA, Eagle KA. Perioperative beta-blockers for major non-cardiac surgery: *Primum Non Nocere*. *Am J Med*. 2009;122(3):222-229. PMCID Not Required.
- 14. Cavusoglu E, **Chopra V**, Gupta A, Battala VR, Podalosu S, Eng C, Marmur JD. Relation between Red Blood Cell Diameter Width (RDW) and all-cause mortality at two years in an unselected population referred for coronary angiography. *Int J Cardiol*. 2009;141(2):141-146. PMCID Not Required.
- 15. Cavusoglu E, Ruwende C, **Chopra V**, Yanamadala S, Eng C, Pinsky DJ, Marmur JD. Relationship of baseline ADMA levels to cardiovascular outcomes at two years in men with acute coronary syndrome referred for coronary angiography. *Coron Artery Dis.* 2009;20(2):112-117. PMCID Not Required.
- 16. Choksi P, **Chopra V**, Faas FH. Recurrent renal-cell carcinoma presenting as a sellar- mass: Case report and review of literature *The Endocrinologist* 2009;19:237-240. PMCID Not Required.
- 17. Cavusoglu E, **Chopra V**, Gupta A, Choksi PU, Ruwende C, Yanamadala S, Frishman W, Pinsky DJ, Marmur JD. Relation of baseline serum potassium levels to angiographic findings in patients with known or suspected coronary artery disease. *Am J Hypertension*. 2009;22(7):754-62. PMCID Not Required.
- 18. **Chopra V,** Flanders SA. Does statin use improve pneumonia outcomes? *Chest*, 2009;136(5):1381-1388. PMCID Not Required.
- 19. Cavusoglu E, Marmur JD, Chabbra S, **Chopra** V, Eng C, Jiang XC. Relation of baseline Plasma Phospholipase Transfer Protein (PLTP) activity to left ventricular systolic dysfunction in patients referred for coronary angiography. *Atherosclerosis*. 2009;207:261-265. PMCID: PMC4351717
- 20. **Chopra V,** Flanders SA, Froehlich JB, Lau WC, Eagle KA. Perioperative practice: time to throttle back. *Ann Intern Med.* 2010;152:47-51. PMCID Not Required.

- 21. Cavusoglu E, Ruwende C, **Chopra V**, Poludasu S, Yanamadala S, Frishman WH, Eng C, Pinsky DJ, Marmur JD. Relation of baseline plasma ADMA levels to cardiovascular morbidity and mortality at two years in men with diabetes mellitus referred for coronary angiography. *Atherosclerosis.* 2010;210(1):226-231. PMCID Not Required.
- 22. **Chopra V**, Eagle KA. Perioperative beta-blockers for cardiac risk reduction time for clarity. *JAMA*, 2010;303(6):551-552.
- 23. Eagle KA, Chopra V. Statins before coronary procedures a new indication for an old friend. *J Am Coll Cardiol*, 2010;56(14):1110-1112. PMCID Not Required.
- 24. **Chopra V**, Eagle KA. Cardiac biomarkers in the diagnosis, prognosis and management of coronary artery disease: A primer for internists. *Indian J Med Sci.* 2010;64(12):561-573. PMCID Not Required.
- 25. Chopra V, Davis MA. In search of equipoise. *JAMA*. 2011;305(12):1234-1235.
- 26. **Chopra V**, Flanders SA. Statins and pneumonia. *BMJ*. 2011 Apr 6;342:d1907. PMCID Not Required.
- 27. **Chopra V**, McMahon LA. HITECH, electronic health records and Facebook: A health information trifecta. *Am J Med.* 2011;124(6):477-479. PMCID Not Required.
- 28. Cavusoglu E, Marmur JD, Hojjati MR, **Chopra V**, Butala M, Subnani R, Huda MS, Yanamadala S, Ruwende C, Eng C, Pinsky DJ. Plasma interleukin-10 levels and adverse outcomes in acute coronary syndrome. *Am J Med*, 2011;124(8):724-730. PMCID Not Required.
- 29. **Chopra V,** Wesorick D, Sussman JB, Hickner A, Greene T, Rogers MA, Eagle KA, Saint S. Effect of perioperative statins on death, myocardial infarction, atrial fibrillation and length of stay: A systematic review and meta-analysis. *JAMA Surgery*, 2012;147(2):181-9. PMCID Not Required.
- 30. McMahon LA, **Chopra V**. Healthcare cost and value: the way forward. *JAMA*, 2012;307(7):671-2. PMCID Not Required.
- 31. Rogers MA, Levine DA, Blumberg N, Flanders SA, **Chopra V**, Langa KM. Triggers of hospitalization for venous thromboembolism. *Circulation*, 2012;125(17):2092-2099. PMCID: PMC3342773
- 32. **Chopra V**, Hayward RA. Why *P* is not perfect. *Am J Med*, 2012;125(6):e1-2. PMCID Not Required.
- 33. Fallouh NA, **Chopra V**. Statin withdrawal after major noncardiac surgery: risks, consequences and preventative strategies. *J Hosp Med*, 2012;7(7):573-579. PMCID Not Required.

- 34. **Chopra V,** Rogers MA, Buist M, Govindan S, Lindenauer PK, Saint S, Flanders SA. Is statin use associated with reduced mortality after pneumonia: a systematic review and meta-analysis. *Am J Med*, 2012 Nov;125(11):1111-23. PMCID Not Required.
- 35. **Chopra V,** Anand S, Krein SL, Chenoweth C, Saint S. Bloodstream infection, venous thrombosis and peripherally inserted central catheters: reappraising the evidence. *Am J Med*, 2012;125(8):733-741. PMCID Not Required.
- 36. **Chopra V**, Eagle KA. Perioperative mischief: the price of academic misconduct. *Am J Med*, 2012;125(10):953-955. PMCID Not Required.
- 37. **Chopra V,** Flanders SA, Saint S. The problem with peripherally inserted central catheters. *JAMA*, 2012;308(15):1527-1528. PMCID Not Required.
- 38. **Chopra V**, Eagle KA. Rethinking cardiac risk reduction after noncardiac surgery: the post-operative "carpe diem." *J Hosp Med*, Nov-Dec 2012;7(9):721-723. PMCID Not Required.
- 39. **Chopra V,** Shojania KG. Recipes for checklists and bundles: one-part active ingredient, two parts measurement. *BMJ Qual Saf*, October 2012;22(2):93-96. PMCID Not Required.
- 40. **Chopra V**, McMahon LA. Introducing *Forensic* health services research. *Am J Managed Care*, 2013;e76. PMCID Not Required.
- 41. Saint S, Green MT, Olmsted RN, **Chopra V**, Meddings J, Safdar N, Krein SL. Perceived strength of evidence supporting practices to prevent health care-associated infection: Results from a national survey of infection prevention personnel. *Am J Infect Control* 2013;41(2):100-106. PMID: 23369314. PMCID:PMC3646483.
- 42. **Chopra V,** Kuhn LK, Coffey C, Salameh M, Barron J, Krein S, Flanders SA, Saint S. Hospitalist experiences, practice, opinions and knowledge regarding peripherally inserted central catheters: A Michigan Survey. *J Hosp Med*, 2013;8(6):309-314. PMCID Not Required.
- 43. **Chopra V,** Anand SA, Hickner A, Buist MB, Rogers MA, Saint S, Flanders SA. Risk of venous thromboembolism associated with peripherally inserted central catheters: a systematic review and meta-analysis. *Lancet*, 2013;382(9889):311-325. PMCID Not Required.
- 44. Fallouh N, **Chopra V**. Perioperative statins therapy: current knowledge and future directions. *Expert Opinion on Pharmacotherapy*, 2013;14(9):1107-1110. PMCID Not Required.
- 45. **Chopra V,** O'Horo JC, Rogers MA, Maki D, Safdar N. The risk of bloodstream infection associated with peripherally inserted central catheters compared with central venous catheters in adults: A Systematic Review and Meta-Analysis. *Infect Control Hosp Epidemiol*, 2013 Sep;34(9):908-18. PMCID Not Required.

- 46. Hartley S, Kuhn LK, Valley S, Fallouh N, Dussan K, Judd S, Murphy SL, Saint S, **Chopra V.** Offlabel Ondansetron use in hospitalized medical patients: prevalence, patterns, and predictors. *J Clin Outcomes Management*, 2013;20(9):1-17. PMCID Not Required.
- 47. **Chopra V**, Kuhn LK, Flanders SA, Saint S. Hospitalist experiences, practice, opinions and knowledge regarding peripherally inserted central catheters: results of a national survey. (*J Hospital Medicine*, 2013;8(11):635-638. PMCID Not Required.
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- 49. Chang T, **Chopra V**, Zhang C, Woolford SJ. The role of social media in online weight management: systematic review. *J Med Internet Res*, 2013;15(11):e262. PMID:24287455. PMCID: PMC3868982.
- 50. **Chopra V**, Kuhn L, Ratz D, Lopus T, Chenoweth C, Krein S. PICC-associated bloodstream infections: Prevalence, Patterns and Predictors. *Am J Med*, 2014;127(4):319-328. PMID:24440542. PMCID Not Required.
- 51. **Chopra V**, McMahon LF. Redesigning hospital alarms for patient safety: alarmed and potentially dangerous. *JAMA*. 2014;311(12):1199-1200. PMID:24590296. PMCID Not Required.
- 52. **Chopra V**, Ratz D, Kuhn L, Lee AY, Krein S. Peripherally inserted central catheter-related deep vein thrombosis: contemporary patterns and predictors. *J Thromb Hemostasis*, 2014; 12(6):847-854. PMCID Not Required.
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- 56. Govindan S, Iwashyna TJ, Odden A, Flanders SA, **Chopra V.** Mobilization in severe sepsis: An integrative review. *J Hosp Med* Nov 2015;10(1):54-59. PMCID: PMC4355156
- 57. Petrilli C, Mack M, Hickner A, Petrilli J, Saint S, **Chopra V.** Understanding the role of physician attire on patient perceptions: a systematic review of the literature targeting attire to improve likelihood of rapport (TAILOR) investigators. *BMJ Open.* 2015;5(1):e005678. PMCID: PMC4312788
- 58. Meyer BM, **Chopra V.** Moving the needle forward: the imperative for collaboration in vascular access. *J Infus Nurs*. 2015;38(2):100-102.
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