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 17th 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

Tremuemie Trepon	
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

Aummstrative	na Chineai Appointments
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 riva	
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,
0.0/0.04	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.
11/2020	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)
UZIZUZZ	Elected Member, American Society of Chinical Investigation (ASCI)

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

09/2009 - 06/2012	Congestive Heart Failure Steering Committee, University of Michigan Health
	System, Ann Arbor, MI
02/2011 - Present	Faculty Member, Cardiovascular Research Group (C3RG). Division of
	Cardiovascular Medicine, University of Michigan Health System, Ann Arbor, MI.
07/2011 - 06/2012	Sponsor, Undergraduate Research Opportunities Program (C. Healy, N. Dagher)

03/2012 – Present	Member, Institute for Healthcare Policy and Innovation (IHPI), University of
03/2012 – 1 Teschi	Michigan, Ann Arbor, MI.
08/2012 - 04/2015	Faculty Mentor, Biomedical Engineering Senior Capstone Design Class (BME 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
2010	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.
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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
01/2012	influenza outcomes." University of Nottingham, United Kingdom. Invited Grant Reviewer, Van de Garde, EM, Proposal Klinische Fellow 40-00703-98-11430. Netherlands Organization for Health Research and
	Development, (ZonMw). Amsterdam, Netherlands.
11/2013	Leadership Team, University of Michigan and All India Medical Institute for
02/2014	Medical Sciences (AIIMS) Research Collaboration. New Delhi, India. Invited External Peer Referee, Cochrane Peripheral Vascular Disease Review
04/2014	Group, Edinburgh, United Kingdom. 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
1/2015	(AIIMS). New Delhi, India. Associate Investigator, "Novel and Enhanced Securement of Peripherally Inserted
1/2013	Central Catheters: A Multisite Randomized Controlled Trial." Alliance for
2/2015	Vascular Access Teaching and Research. Griffith University, Brisbane, Australia. 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,
4/4/2021	Australia. 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 – Present	Registered Practitioner of Medicine. Mumbai, India
01/2002 - Present	Certification, Educational Commission for Foreign Medical Graduates (ECFMG)
08/2005 - Present	Diplomate, American Board of Internal Medicine
08/2005 - 07/2010	Physicians License, State of Arkansas
08/2005 - Present	Federal Controlled Substance License, DEA
04/2008 - Present	Physicians License, State of Michigan
04/2008 - Present	Controlled Substance License, State of Michigan
01/2002 - Present	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

Editorial Board, American Journal of Medicine
Associate Editor, Journal of Hospital Medicine
Editorial Board, Journal of the Association of Vascular Access
Editorial Board, Journal of Vascular and Interventional Radiology
Editorial Board, Journal of Infusion Nursing
Feature Editor, Annals for Hospitalists, Annals of Internal Medicine
Editorial Board, Annals of Internal Medicine
Deputy Editor, Journal of Hospital Medicine
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. "PICC Related Infectious Complications." 33rd Annual Infectious Disease Symposium. 04/2013 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 "Engineering new safety solutions: The Case for Peripherally Inserted Catheters." Center 10/2014 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.

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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. "Introducing MAGIC for Venous Access." Association for Vascular Access (AVA) 30th 09/2016 Annual Scientific Meeting, Orlando, FL. "Vascular Access Device Choices: Why It Matters." University of Texas, San Antonio. 01/2017 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. "Are PICCs the CVC of the Future?" Buckeye Infusion Nurses Society (INS), Cincinnati, 1/2017 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. "Gearing up for a Research Career." Visiting Professor at Okinawa Kyodo-University. 02/2017 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. "Are PICCs the CVC of the Future?" Cincinnati Children's Hospital Medical Center, 04/2017 Cincinnati, OH. "Are PICCs the CVC of the Future?" Visiting Professor, Henry Ford Hospital, Detroit, 04/2017 MI. "Are PICCs the CVC of the Future?" League of Intravenous Nursing and Trainers 2016 04/2017 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.

03/2019 "Islands of Mindfulness Within Oceans of Chaos" Positive Links Speaker Series. Ross School of Business and Center for Positive Organizational Science. University of Michigan. Ann Arbor, Michigan. "Are PICCs the CVC of the Future?" Visiting Professor and Department of Medicine 04/2019 Grand Rounds Speaker, University of Wisconsin, Milwaukee. Milwaukee, WI. 04/2019 "A Culture of Safety in 2019 – An Organizational Perspective" Society for Healthcare 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. 09/2019 "Vascular Access in Cancer Patients – Clinical Implications" Invited presentation and 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.

01/2020	"Vascular Access in Cancer." Plenary Session, Society for Interventional Oncology, New Orleans, Louisiana.
10/2020	"COVID and Michigan: What have we learned?" Keynote lecture, Association for 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)
11/2020	"Are PICCs the Central Venous Catheter of the Future?" Department of Medicine Grand Rounds, Henry Ford Hospital, Detroit, MI.
07/2021	Keynote speaker: "Appropriate IV Access: MAGIC and More." Cleveland Clinic Update in Hospital Medicine. OH, Cleveland.
02/2022	"Mindful Mentorship" Grand Rounds, NYU Grossman School of Medicine, New York, NY

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 Internal 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 Longterm 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.
- 48. McMahon LF, Beyth RJ, Burger A, Chopra V, Feldstein D, Korenstein D, Subramanian U, Sussman J, Petty B, Tice J. Enhancing patient-centered care: SGIM and Choosing Wisely. *Journal of General Internal Medicine*, 2014;29(3):432-433. PMCID:PMC3930776.
- 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.
- 53. **Chopra V,** Wijeysundera DN. The right time and Pl*ACE*: optimal management of perioperative angiotensin-converting enzyme inhibitors. *J Hosp Med.* 2014;9(5):334-336. PMCID Not Required.
- 54. Flanders SA, Greene MT, Grant P, Kaatz S, Paje D, Lee B, Barron J, **Chopra V**, Share D, Bernstein SJ. Hospital performance for pharmacologic venous thromboembolism prophylaxis and rate of venous thromboembolism: A Cohort Study. *JAMA Internal Medicine*, 2014;1;174(10):1577-1584. PMCID Not Required.

- 55. **Chopra V,** Govindan S, Kuhn L, Sweis R, Thompson R, Mellin N, Tolan A, Barron J, Saint S. Do clinicians know which of their patients have central-venous catheters? A multicenter observational study. *Ann Intern Med*, 2014;161(8):562-567. PMCID Not Required.
- 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.
- 59. Cavusoglu E, Marmur JD, Hegde S, Yanamadala S, Batuman OA, **Chopra V**, Ay G, Eng C. Relation of baseline plasma MMP-1 levels to long-term all-cause mortality in patients with known or suspected coronary artery disease referred for coronary angiography. *Atherosclerosis* 2015;239(1):268-275. PMCID: PMC4331241
- 60. Cavusoglu E, Marmur JD, Chhabra S, Hojjati MR, Yanamadala S, **Chopra V**, Eng C, Jiang XC. Elevated baseline plasma phospholipid protein (PLTP) levels are an independent predictor of long-term all-cause mortality in patients with diabetes mellitus and known or suspected coronary artery disease. *Atherosclerosis* 2015;239(2):503-508. PMCID: PMC4361262
- 61. **Chopra V**, Fallouh N, McGuirk H, Salata B, Healy C, Kabaeva Z, Smith S, Meddings JM, Flanders SA. Patterns, risk factors and treatment associated with PICC-DVT in hospitalized adults: a nested case-control study. *Thrombosis Research*. 2015;135(5):829-834. PMCID Not Required.
- 62. Simonov M, Pittiruti M, Rickard CN, **Chopra V.** Navigating venous access: a guide for hospitalists. *J Hosp Med.* 2015;10(7):471-478. PMCID Not Required
- 63. Patel R, Chang T, Greysen R, **Chopra V**. Social media use in Chronic Disease: A Systematic Review and Novel Taxonomy. *Am J Med*. 2015 Dec; 128(12):1335-50. PMID: 26159633.
- 64. **Chopra V,** Montoya A, Joshi D, Becker C, Brant A, McGuirk H, Clark J, Harrod M, Kuhn LK, Mody LM. Peripherally inserted central catheter use in skilled nursing facilities: A Pilot Study. *J Am Ger Soc.* 2015;63(9):1894-1899. PMCID: PMC4626207

- 65. Cavusoglu E, Marmur JD, Yanamadala S, **Chopra V**, Hegde S, Nazli A, Singh KP, Zhang M, Eng C. Elevated baseline plasma IL-8 levels are an independent predictor of long-term all-cause mortality in patients with acute coronary syndrome. *Atherosclerosis* 2015;242(2):589-594. PMID: 26318109.
- 66. Chopra V, Flanders SA, Saint S, Woller SC, O'Grady, NP, Safdar N, Trerotola S, Saran R, Moureau N, Wiseman S, Pittiruti M, Akl EA, Lee AY, Courey AJ, Swaminathan L, LeDonne J, Becker C, Krein SL, Bernstein SJ. The Michigan Appropriateness Guide for Intravenous Catheters (MAGIC): Results from a Multi-Specialty Panel Using the RAND/UCLA Appropriateness Method. *Ann Intern Med.* 2015;163(6 Suppl):S1-S40. PMID: 26369828.
- 67. Greene MT, Flanders SA, Woller SC, Bernstein SJ, **Chopra V**. The association between PICC use and venous thromboembolism in upper and lower extremities. *Am J Med* 2015;128(9):986-993. PMID: 25940453.
- 68. Fallouh N, McGuirk H, Flanders SA, **Chopra V**. PICC-Associated DVT: A narrative review of the evidence. *Am J Medicine* 2015;128(7):722-738. PMID: 25697969.
- 69. **Chopra V**, Saint S. Vascular catheter infections: time to get technical. *Lancet* 2015; 21 (386): 2034-6. PMID: 26388530.
- 70. Grant PJ, Greene MT, Chopra V, Bernstein SJ, Flanders SA. Assessing the Caprini Score for risk assessment of venous thromboembolism in hospitalized medical patients. *Am J Med*. 2016 May;129(5):528-535. Epub 2015 Nov 6. PMID: 26551977. PMCID: PMC5331485.
- 71. **Chopra V,** Flanders SA. Revisiting the Tale of Venous Thrombosis in Hospitalized Medical Patients. *J Thromb Haemost*. 2015 Dec;13(12):2152-4. PMID: 26414687.
- 72. Krein S, Kuhn L, Ratz D, **Chopra V.** Use of designated Nurse PICC Teams and CLABSI Prevention by U.S. hospitals: A Survey-based study. *J Patient Safety*. 2015 Nov 10. PMID: 26558650
- 73. Song Z, **Chopra V**, McMahon LF. Addressing the primary care workforce crisis. *Am J Manag Care* 2015 Aug; 21(8):e452-4. PMCID:PMC4667355.
- 74. **Chopra V**, Smith S, Nielsen D, Kaatz S, Paje D, Swaminathan L, Barron J, Boldenow T, Bernstein SJ, Flanders SA. Variation in Patterns of Peripherally Inserted Central Catheter Use and Outcomes in Michigan Hospitals. *JAMA Internal Med.* 2016 Apr;176(4):548-51. PMCID 26881938.

- 75. Cavusoglu E, Marmur JD, Kassotis JT, Yanamadala S, **Chopra V**, Eng C. Usefulness of Plasma Matrix Metalloproteinase-3 Levels to Predict Myocardial Infarction in Men with and Without Acute Coronary Syndrome. *Am J Cardiol*. 2016 Mar 15; 117(6):881-6. PMID 26805660.
- 76. **Chopra V**, Kuhn L, Ratz D, Flanders SA, Krein SL. Vascular nursing experience, practice knowledge, and beliefs: Results from the Michigan PICC1 survey. *J Hosp Med*. 2016 Apr;11(4):269-75.PMID 26717423.
- 77. Grant PJ, Greene MT, Chopra V, Bernstein SJ, Hofer TP, Flanders SA. Assessing the Caprini score for risk assessment of venous thromboembolism in hospitalized medical patients. *Am J Med*. 2016 May;129(5):528-35.PMID 26551977.
- 78. Seiffert M, Lagisetty P, Landgraf J, Chopra V, Pfeiffer PN, Conte ML, Rogers MA. Internet-delivered Cognitive Behavioral Therapy to Treat Insomnia: A Systematic Review and Meta-Analysis. *PLoS One*. 2016 Feb 11;11(2):e0149139. PMID: 26867139.
- 79. Mimoz, O, **Chopra V**, Timsit JF. What's new in catheter-related infection: skin cleansing and skin antisepsis. Intensive Care Med. 2016 Nov;42(11):1784-1786. PMID 26846517.
- 80. Ratz D, Hofer T, Flanders SA, Saint S, Chopra V. Limiting the Number of Lumens in Peripherally Inserted Central Catheters to Improve Cost and Outcomes: A simulation-based analysis. Infect Control Hosp Epidemiol. 2016 Jul;37(7):811-7. PMID: 27033138.
- 81. **Chopra V,** Aruna P, Pekow P, Thompsen R, Flanders SA, Lindenauer PK. Variation in prevalence and patterns of peripherally inserted central catheter use in adults hospitalized with pneumonia. *J Hosp Med.* 2016 Aug;11(8):568-75. PMID: 27091304.
- 82. Mcmahon LF, Tiperneni R, **Chopra V.** Health System Loyalty Programs: An Innovation in Customer Care and Service. *JAMA*. 2016 Mar 1; 315(9):863-4. PMID: 26934255.
- 83. **Chopra V**, Edelson D, Saint S. A Piece of My Mind: Mentorship Malpractice. *JAMA*. 2016 Apr 12;315(14):1453-4. PMID: 27115263.
- 84. **Chopra V**, Smith S, Swaminathan L, Boldenow T, Kaatz S, Bernstein SJ, Flanders SA. Variations in peripherally inserted central catheter use and outcomes in Michigan hospitals. *JAMA Intern Med.* 2016 Apr;176(4):548-51. PMID: 26881938.
- 85. Vaughn VM, **Chopra V**. Revisiting the panculture. *BMJ Qual Saf*. 2016 Feb 19. pii: bmjqs-2015-004821. PMID: 26895642.

- 86. Moureau N, **Chopra V.** Indications for peripheral, midline and central catheters: summary of the MAGIC Recommendations. *Br J Nursing*. 2016 Apr 28;25(8):S15-24. PMID: 27126759.
- 87. Petrilli CM, Del Valle J, **Chopra V**. Why July Matters. *Acad Med*. 2016 Jul;91(7):910-2. PMID: 27119323.
- 88. Greene MT, Spyropoulos AC, **Chopra V**, Grant PJ, Kaatz S, Bernstein SJ, Flanders SA. Validation of Risk Assessment Models of Venous Thromboembolism in Hospitalized Medical Patients. *Am J Med.* 2016 Sep;129(9). PMID 27107925.
- 89. Cavusoglu E, Marmur JD, Kassotis JT, Yanamadala S, **Chopra V**, Eng C. Usefulness of Plasma Matrix Metalloproteinase-3 Levels to Predict Myocardial Infarction in Men with and Without Acute Coronary Syndrome. *Am J Cardiol*. 2016 Mar 15;117(6):881-6. PMID: 26805660.
- 90. Levy K, Voit J, Gupta A, Petrilli CM, **Chopra V.** Examining the July Effect: A National Survey of Academic Leaders in Medicine. *Am J Med.* 2016 Jul;129(7):754.PMID: 27180313.
- 91. 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. *Thromb Res.* 2016 Jul;143:71-5. PMID: 27203185.
- 92. Levy K, Voit J, Gupta A, Petrilli CM, **Chopra V.** Examining the July effect: a national survey of academic leaders in medicine. Am J Med. 2016 Jul;129(7):754.e1-5. PMID: 27180313.
- 93. **Chopra V,** Kuhn L, Ratz D, Shader S, Vaughn V, Saint S, Krein SL. Vascular Access Specialist Training, Experience and Practice in the United States: Results from the National *PICC1* Survey. *J Infusion Nursing*. 2017 Jan/Feb;40(1):15-25. PMID: 28030479.
- 94. Bonsall J, **Chopra V**. Building an Academic Pipeline: A Combined Society of Hospital Medicine Committee Initiative. *J Hosp Med.* 2016 Oct;11(10):735-736. PMID: 27334690.
- 95. Wesorick DH, **Chopra V**, Laine C. Introducing Annals for Hospitalists: New Knowledge, Novel Formats, and Unique Perspectives. *Ann Intern Med.* 2016 Nov 15;165(10). PMID: 27842398.
- 96. Mimoz O, Andreas E, **Chopra V.** Preventing Catheter-related bloodstream infections using skin antisepsis. *Intens Care Med.* 2016;42(11):1784-1786.

- 97. **Chopra V**, Bernstein SJ, Flanders SA. Peripherally inserted central catheters-improving appropriateness with a dedicated and rigorous team-reply. JAMA Intern Med. 2016 Aug 1;176(8):1225-6. PMID 27479664.
- 98. Rogers MA, Blumberg N, Bernstein SJ, Flanders SA, Chopra V. Association between delivery methods for red blood cell transfusion and the risk of venous thromboembolism: a longitudinal study. Lancet Haematol. 2016 Dec;3(12):e563-e571. PMID: 27818170.
- 99. Petrilli CM, Heidemann L, Mack M, Durance P, **Chopra V**. Inpatient inherited thrombophilia testing. J Hosp Med. 2016 Nov;11(11):801-804. PMID: 27782379.
- 100. Harrod M, Montoya A, Mody LM, McGuirk H, Winter S, **Chopra V.** Challenges for Nurses Caring for Patients with Peripherally Inserted Central Catheters in Skilled Nursing Facilities. *J Am Geriatr Soc.* 2016 Oct;64(10):2059-2064. PMID: 27603747. PMCID: PMC5073026.
- 101. Mimoz O, **Chopra V**, Widmer A. What's new in skin antisepsis for short-term intravascular catheters: new data to address old problems? *Intensive Care Med.* 2016 Dec;42(12):2043-2045. PMID: 27515157.
- 102. Lagisetty P, Priyadarshani P, Terrel S, Landgraf J, **Chopra V**, Heisler M. Culturally targeted strategies for Diabetes Prevention in Minority Groups. *Diabetes Educ*. 2017 Feb;43(1):54-77. PMID: 28118127. PMCID: PMC54087505.
- 103. Vaughn VM, **Chopra V**, Howell J. War Games and Diagnostic Errors. *BMJ*. 2016 Dec 13;355:i6342. PMID: 27965210.
- 104. Govindan S, **Chopra V**, Iwashyna TJI. Do Clinicians Understand Quality Metric Data? An evaluation in a Twitter derived sample. *J Hosp Med.* 2017 Jan;12(1):18-22. PMID: 28125827. PMCID: PMC5831191.
- 105. Sharpe E, Kuhn L, Ratz D, **Chopra V.** Neonatal Peripherally Inserted Central Catheter Practices and Providers: Results from the Neonatal PICC1 Survey. *Adv Neonatal Care*. 2017 Jun;17(3):209-221. PMID: 28045704.
- 106. **Chopra V**, Kuhn L, Ratz D, Vaughn VM, Saint S, Krein SL. Vascular access training, experience, and practice in the United States: Results from the national PICC1 survey. *J Infus Nurs*. 2017 Jan/Feb;40(1):15-25. PMID: 28030479.

- 107. Vaughn VM, Saint S, **Chopra V.** Mentee Missteps: Tale from the Academic Trenches. *JAMA*. 2017 Feb 7;317(5):475-476. PMID: 28170482.
- 108. Heidemann L, Nathani N, Courey AC, Sagana R, **Chopra V**, Heung M. A contemporary assessment of mechanical complication rates and trainee perceptions of central venous catheter insertion. *J Hosp Med*. 2017 Aug;12(8):646-651. PMID: 28786431.
- 109. **Chopra V**, Kuhn L, Ratz D, Winter S, Carr PJ, Paje D, Krein SL. Variation in use of technology among vascular access specialists: an analysis of the PICC1 survey. *J Vasc Access*. 2017 May 15;18(3):243-249. Epub 2017 Apr 20. PMID: 28430309.
- 110. Krein SL, Kuhn LK, Ratz D, Winter S, Vaughn VM, **Chopra V.** The relationship between perceived role and appropriate use of peripherally inserted central catheters: A survey of vascular access nurses in the United States. *Int J Nurs Stud.* 2017 Jun;71:28-33. Epub 2017 Mar 4. PMID: 28284100.
- 111. Smith S, Moureau N, Vaughn VM, Boldenow T, Kaatz S, Grant PJ, Bernstein SJ, Flanders SA, **Chopra V.** Patterns and Predictors of Peripherally Inserted Central Catheter Occlusion: the 3P-O Study. *J Vasc Interv Radiol*. 2017 May;28(5):749-756.e2. Epub 2017 Mar 11. PMID: 28292637.
- 112. Schildhouse R, Lai A, Barsuk JH, Mourad M, **Chopra V.** Safe and Effective Bedside Thoracentesis: A Review of the Evidence for Practicing Clinicians. *J Hosp Med.* 2017 Apr;12(4):266-276. PMID: 28411293.
- 113. Rogers MA, Lemmen R, Kramer R, Mann J, **Chopra V.** Internet-delivered Health Interventions That Work: Systematic Review of Meta-Analyses and Evaluation of Website Availability. *J Med Internet Res.* 2017 Mar 24;19(3):e90. PMID: 28341617. PMCID: PMC5384996.
- 114. Vaughn VM, Shuster D, Rogers MAM, Mann J, Conte ML, Saint S, **Chopra V**. Early Versus Delayed Feeding in Patients with Acute Pancreatitis: A Systematic Review. *Ann Intern Med*. 2017 Jun 20;166(12):883-892. Epub 2017 May 16. PMID: 28505667.
- 115. Mullangi S, Ibrahim A, **Chopra V.** Towards Patient-Centered Hospital Design: What Can Airports Teach Us? *Ann Intern Med.* 2017 Jul 4;167(1):48-49. Epub 2017 May 30. PMID: 28554191.
- 116. Rickard CM, Marsh NM, Webster J, Gavin NC, Chan RJ, McCarthy AL, Mollee P, Ullman AJ, Kleidon T, **Chopra V**, Zhang L, McGrail MR, Larsen E, Choudhury MA, Keogh S, Alexandrou E, McMillan DJ, Mervin MC, Paterson DL, Cooke M, Ray-Barruel G, Castillo MI, Hallahan A, Corley A, Geoffrey Playford E. Peripherally InSerted CEntral catheter dressing and securement in

- patients with cancer: the PISCES trial. Protocol for a 2x2 factorial, superiority randomised controlled trial. *BMJ Open.* 2017 Jun 15;7(6):e015291. PMID: 28619777. PMCID: PMC5734285.
- 117. Gilmartin H, Goyal A, Hamati MC, Mann J, Saint S, **Chopra V.** Brief Mindfulness Practices for Healthcare Providers A Systematic Literature Review. *Am J Med.* 2017 Oct;130(10):1219.e1-1219.e17. Epub 2017 Jul 4. PMID: 28687263.
- 118. **Chopra V,** Conlon A, Paje D, Kaatz S, Grant PJ, Rogers MA, Bernstein SJ, Saint S, Flanders SA. The Michigan Risk Score to Predict Peripherally Inserted Central Catheter-Associated Thrombosis. *J Thromb. Hemostasis.* 2017; 10: 1951-1962.
- 119. Herc E, Patel P, Conlon A, Washer L, Flanders SA, **Chopra V.** A Model to Predict Central Line-Associated Bloodstream Infection among Patients with PICCs: The MPC Score. *Infect Control Hosp Epid.* 2017 Oct;38(10).1155-1166. Epub 2017 Aug 15. PMID: 28807074.
- 120. Byhoff E, Hamati C, Power R, Burgard SA, **Chopra V**. Increasing Educational Attainment and Mortality Reduction: A Systematic Review of the Literature and Taxonomy. *BMC Public Health*. 2017 Sep 18;17(1):719. PMID 28923038. PMCID: PMC5604174.
- 121. Gupta A, Snyder A, Kachalia A, Flanders S, Saint S, **Chopra V**. Malpractice claims related to diagnostic errors in the hospital. *BMJ Qual Safety*. 2017 Aug 9;27(1):bmjqs-2017-006774. PMID: 28794243. [Online ahead of print].
- 122. Heidemann L, Nathani N, Sagana R, **Chopra V**, Hueng M. A Contemporary Assessment of Mechanical Complication Rates and Trainee Perceptions of Central Venous Catheter Insertion. *J Hosp Med.* 2017;12(8):646-651.
- 123. Byhoff E, Hamati M, Power RK, Burgard S, **Chopra V.** Increasing Educational Attainment and Mortality Reduction: A Systematic Review and Taxonomy. *BMC Public Health*. 2017 Sep 18;17(1):719. PMID: 28923038.
- 124. Chopra V, Saint S. The Tunnel at the End of the Light. *JAMA*. 2017; 318:1007-1008
- 125. **Chopra V,** Arora VM, Saint S. Will You Be My Mentor? Four Archetypes to Help Mentees Succeed in Academic Medicine. *JAMA Intern Med.* 2018 Feb 1;178(2):175-176. PMID: 29181497.
- 126. Govindan S, Iwashyna TJ, **Chopra V.** Do Experts Understand Performance Measures? A Mixed-Methods Study of Infection Preventionists. *Infection Control Hosp Epi*. 2018 Jan;39(1):71-76. Epub 2017 Dec 5. PMID: 29202884. PMCID: PMC7181973.

- 127. McMahon LF, **Chopra V**. General Medicine and Hospital Medicine: The Janus of Internal Medicine. *J Gen Intern Med*. 2017 Nov;32(11):1168-1169. PMID: 28948517.
- 128. Lagisetty P, Klasa K, Bush CG, Heisler M, **Chopra V**, Bohnert A. Primary Care Models for Treating Opioid Use Disorders: What Actually Works? *PLoS One*. 2017 Oct 17;12(10):e0186315. PMID: 29040331.
- 129. Saint S, Vaughn VM, **Chopra V**, Fowler KE, Kachalia A. Perception of Resources Spent on Defensive Medicine and History of Being Sued Among Hospitalists: Results from a National Survey. *J Hosp Med.* 2017 2018 Jan 1;13(1):26-29. Epub 2017 Aug 23. PMID: 29068439.
- 130. Swaminathan S, Flanders SA, Calleja Y, Snyder A, Thyagrajan R, Bercea P, **Chopra V.** Improving PICC Use and Outcomes in Hospitalized Patients: An Interrupted Time Series Study using MAGIC Criteria. *BMJ Qual Saf.* 2018 Apr;27(4):271-278. Epub 2017 Nov 13. PMID: 29133462.
- 131. **Chopra V,** Harrod M, Winter S, Forman J, Quinn M, Krein S, Fowler KE, Singh H, Saint S. Focused ethnography of diagnosis in academic medical centers. *J Hosp Med.* 2018 Oct 1;13(10):668-672. Epub 2018 Apr 25. PMID: 29694450. PMCID: PMC6697101.
- 132. Gilmartin H, Saint S, Rogers MAM, Winter S, Synder A, Quinn M, **Chopra V.** Pilot randomized controlled trial to improve hand hygiene through mindful moments. *BMJ Qual Saf.* 2018 Oct;27(10):799-806. Epub 2018 Feb 20. PMID: 29463769. PMCID: PMC6701174.
- 133. **Chopra V**, Kaatz S, Grant P, Swaminathan L, Boldenow T, Conlon A, Bernstein SJ, Flanders SA. Risk of Venous Thromboembolism following peripherally inserted central catheter exchange: an analysis of 23,000 patients. *Am J Med.* 2018 Jun;131(6):651-660. Epub 2018 Feb 1. PMID: 29408616.
- 134. Paje D, Conlon A, Kaatz S, Swaminathan L, Boldenow T, Bernstein SJ, Flanders SA, **Chopra V.** Patterns and Predictors of short term peripherally inserted central catheter use: a multi-center prospective cohort study. *J Hosp Med.* 2018 Feb;13(2):76-82. PMID: 29377971. PMCID: PMC6320698.
- 135. **Chopra V**, Arora VM, Saint S. Will you be my mentor: four archetypes to help mentees succeed. *JAMA Internal Med.* 2018 Feb 1;178(2):175-176. PMCID: 29181497.
- 136. Govindan S, Prescott H, **Chopra V**, Iwashyna TJ. Sample size implications of mortality definitions in sepsis: a retrospective cohort study. *Trials*. 2018 Mar 27;19(1):198. PMID: 29587803.

- 137. Schoen J, **Chopra V.** The Harm We Do: The Environmental Impact of Medicine. *J Hosp Med.* 2018 May 1;13(5):353-355. Epub 2018 Feb 28. PMID: 29489925.
- 138. Petrilli CM, Saint S, Jennings J, Caruso A, Kuhn L, Snyder A, **Chopra V.** Understanding patient preferences for physician attire: a cross-sectional observational study of 10 academic medical centers in the USA. *BMJ Open.* 2018 May 29;8(5):e021239. PMID: 29844101. PMCID: PMC5988098.
- 139. Waljee JF, **Chopra V**, Saint S. Mentoring Millenials. *JAMA*. 2018 Apr 17;319(15):1547-1548. PMID: 29677306.
- 140. McMahon LF, **Chopra V.** Starving the hungry tapeworm: how businessmen may reform healthcare cost. *Ann Internal Medicine*. 2018 Jul 17;169(2):120-121. Epub 2018 May 29. PMID: 29809240.
- 141. Ray-Barruel G, Cooke M, Mitchell M, **Chopra V**, Rickard CM. Implementing the I-DECIDED clinical decision-making tool for peripheral intravenous catheter assessment and safe removal: protocol for an interrupted time-series study. *BMJ Open*. 2018 Jun 4;8(6):e021290. PMID: 29866733. PMCID: PMC5988165.
- 142. Grant PJ, Conlon A, **Chopra V**, Flanders SA. Use of Venous Thromboembolism Prophylaxis in Hospitalized Patients. *JAMA Intern Med.* 2018 Aug 1;178(8):1122-1124. PMID: 29800008. PMCID: PMC6143102.
- 143. Timsit JF, Rupp M, Bouza E, **Chopra V**, Kärpänen T, Laupland K, Lisboa T, Mermel L, Mimoz O, Parienti JJ, Poulakou G, Souweine B, Zingg W. A state-of-the-art review on optimal practices to prevent, recognize and manage complications associated with intravascular devices in the critically ill. *Intensive Care Med.* 2018 Jun;44(6):742-759. Epub 2018 May 12. PMID: 29754308.
- 144. Vaughn VM, Saint S, Krein SK, Forman J, Meddings JM, Ameling J, Winter S, Townsend W, **Chopra V**. Characteristics of healthcare organizations struggling to improve quality: results from a systematic review of qualitative studies. *BMJ Qual Saf*. 2019 Jan;28(1):74-84. Epub 2018 Jul 25. PMID: 30045864.
- 145. Micic D, Semrad C, **Chopra V.** Choosing the Right Central Venous Catheter for Parenteral Nutrition. *Am J Gastroenterol*. 2019 Jan;114(1):4-6. PMID: 30008474.
- 146. Gupta A, Harrod M, Quinn M. Manojlovich N, Fowler KE, Singh H, Saint S, **Chopra V.** Mind the overlap: how system problems contribute to cognitive failure and diagnostic errors. *Diagnosis* (*Berl*). 2018 Sep 25;5(3):151-156. PMID: 30007056. PMCID: PMC6743477.

- 147. Mihala G, Ray-Barruel G, **Chopra V**, Webster J, Wallis M, Marsh N, McGrail M, Rickard CM. Phlebitis signs and symptoms with peripheral intravenous catheters: incidence and correlation. *J Infus Nurs*. 2018 Jul/Aug;41(4):260-263. PMID 29958263.
- 148. **Chopra V.** Central venous access devices and approach to selection in adults (2018). In: UpToDate, edited by Davidson I, Collins, KA. Available online at www.uptodate.com
- 149. **Chopra V.** Peripherally inserted central catheter (PICC)-related venous thrombosis (2018). In: UpToDate, edited by Davidson I, Collins, KA. Available online at www.uptodate.com
- 150. Govindan S, Synder A, Flanders SA, **Chopra V.** Peripherally Inserted Central Catheters in the ICU: A Retrospective Study of Adult Medical Patients in 52 Hospitals. *Crit Care Med.* 2018 Dec;46(12):e1136-e1144. PMCID 30247241. PMCID: PMC6317857.
- 151. Rogers MAM, Greene MT, Davis JA, Ratz D, Kuhn L, Saint S, **Chopra V.** Longitudinal study of transfusion utilization in hospitalized veterans. *J Clin Outcomes Management*. 2017 Sep;24(9): 404-411. PMID: 30078980. PMCID: PMC6072265.
- 152. Wolfensburger A, Clack L, Kuster SP, Passerini S, Mody L, **Chopra V**, Msa JM, Sax H. Transfer of pathogens to and from patients, healthcare providers and medical devices during care activity: a systematic review and meta-analysis. *Infect Control Hosp Epid.* 2018 Sep;39(9):1093-1107. Epub 2018 Jul 24. PMID: 30039774.
- 153. Bozaan D, Skicki D, Brancaccio A, Snyder A, Friebe S, Tupps M, Paje D, **Chopra V.** Less Lumens-Less Risk: A Pilot Intervention to Increase the Use of Single Lumen Peripherally Inserted Central Catheters. *J Hosp Med.* 2019 Jan 8;14(1):42-46. Epub 2018 Oct 31. PMID: 30379146.
- 154. Govindan S, Prenovost K, **Chopra V**, Iwashyna TJ. A comprehension scale for central line-associated bloodstream infection: results of a preliminary survey and factor analysis. *PLoS One*. 2018 Sep 13:13(9):e0203431. PMID: 30212486. PMCID: PMC6136729.
- 155. Abedini NC, **Chopra V.** A model to improve hospital-based palliative care: The Palliative Care Redistribution Integrated System Model (PRISM). *J Hosp Med*. 2018 Dec 1;13(12):868-871. Epub 2018 Aug 29. PMID: 30156581.
- 156. White D, Woller SC, Stevens SM, Collingridge DS, **Chopra V**, Fontaine GV. Comparative thrombosis risk of vascular access devices among critically ill medical patients. *Thromb Res.* 2018 Dec;172:54-60. Epub 2018 Oct 19. PMID: 30384035.

- 157. Quinn M, Forman J, Harrod M, Winter S, Fowler KE, Krein SL, Gupta A, Saint S, **Chopra V**. Electronic health records, communication and data sharing: challenges and opportunities for improving the diagnostic process. *Diagnosis (Berl)*. 2019 Aug 27;6(3):241-248. PMID: 30485175. PMCID: PMC6691503.
- 158. Ullman AJ, Bulmer AC, Dargaville TR, Rickard CM, **Chopra V.** Anti-thrombogenic peripherally inserted central catheters: overview of efficacy and safety. *Expert Rev Med Devices*. 2019 Jan;16(1):25-33. Epub 2018 Dec 6. PMID: 30513003.
- 159. Montoya A, Schildhouse R, Goyal A, Mann JD, Snyder A, **Chopra V**, Mody L. How often are healthcare worker hands contaminated with multidrug-resistant organisms? A Systematic Review and Meta-Analysis. *Am J Infection Control*. 2019 Jun;47(6):693-703. Epub 2018 Dec 5. PMID: 30527283.
- 160. Krein SL, Saint S, Trautner BW, Kuhn L, Colozzi J, Ratz D, Lescinskas E, Chopra V. Patient-reported complications related to peripherally inserted central catheters: a multicenter prospective cohort study. *BMJ Qual Saf.* 2019 Jul;28(7):574-581. Epub 2019 Jan 25. PMID: 30683751. PMCID: PMC6593651.
- 161. Mody L, Washer LL, Kaye KS, Gibson K, Saint S, Reyes K, Cassone M, Mantey J, Cao J, Perri M, Sax H, Chopra V, Zervos M. Multi-drug resistant organisms in hospitals: What is on patient hands and in their rooms? *Clin Infect Disease*. 2019 Nov 13;69(11):1837-1844. PMID: 30980082. PMCID: PMC6853699.
- 162. Cram P, **Chopra V**, Soong C, Wu R. Reimagining Inpatient Care in Canadian Teaching Hospitals: Bold Initiatives or Tinkering at the Margins? *J Hosp Med*. 2019 Apr;14(4):251-253. PMID: 30933678
- 163. **Chopra V,** Burden M, Jones CD, Mueller S, Gupta V, Ahuja N, Sigmund A, Eid SM. State of Research in adult Hospital Medicine: Results of a National Survey. *J Hosp Med*. 2019 Apr;14(4):207-211. PMID: 30933670.
- 164. **Chopra V**, Kaatz S, Swaminathan L, Boldenow T, Snyder A, Burris R, Bernstein SJ, Flanders SA. Variation in Use and Outcomes Related to Midline Catheters: Results from a Multicentre Pilot Study. *BMJ Qual Saf.* 2019 Sep;28(9):714-720. Epub 2019 Mar 18. PMID: 30886119. PMCID: PMC6860966.
- 165. Vaughn VM, Gandhi T, Conlon A, **Chopra V**, Malani AN, Flanders SA. The Association of Antibiotic Stewardship with Fluoroquinolone prescribing in Michigan Hospitals: A multi-hospital cohort study. *Clin Infec Disease*. 2019 Sep 27;69(8):1269-1277. PMID: 30759198. PMCID: PMC6763628.

- 166. Zollinger M, Houchens N, **Chopra V**, Clack L, Schreiber PW, Kuhn L, Snyder A, Saint S, Petrilli CM, Sax H. Understanding patient preference for physician attire in ambulatory clinics: a cross sectional observational study. *BMJ Open*. 2019 May 9;9(5):e026009. PMID: 31072853. PMCID: PMC6528053.
- 167. **Chopra V**. Annals for hospitalists, Inpatient Notes How I Treat-catheter-related Deep Venous Thrombosis. *Ann Intern Med*. 2019 May 21;170(10):HO2-HO3. PMID: 31108542.
- 168. Paje D, Rogers MAM, Conlon A, Flanders SA, Bernstein SJ, **Chopra V.** Use of Peripherally inserted central catheters in patients with advanced chronic kidney disease: a prospective cohort study. *Ann Intern Med.* 2019 Jul 2;171(1):10-18. Epub 2019 Jun 4. PMID: 31158846.
- 169. Guduguntla V, Adzemovic T, **Chopra V.** Writing Wrongs. *Am J Med.* 2020 Jan;133(1):14-16. Epub 2019 Jun 18. PMID: 31220429.
- 170. Vaughn VM, Flanders SA, **Chopra V**, Conlon A, Malani A, Srinivasan A, Kaatz S, Osterholzer D, Thyagrajan R, Hsaiky L, Gandhi T. Excess antibiotic duration in patients hospitalized with pneumonia: a multi-hospital cohort study. *Annals Int Med.* 2019 Aug 6;171(3):153-163. Epub 2019 Jul 9. PMID: 31284301.
- 171. Zollinger M, Houchens N, Chopra V, Clack L, Schreiber PW, Kuhn L, Snyder A, Saint S, Petrilli CM, Sax H. Understanding patient preference for physician attire in Swiss ambulatory clinics: a cross-sectional observational study. *BMJ Open*. 2019 May 9;9(5):e026009. PMID: 31072853. PMCID: PMC6528053.
- 172. Trautner BW, Saint S, Fowler KE, Van J, Colozzi J, **Chopra V**, Lescinkas E, Krein SL. What to patients say about their experience with urinary catheters and peripherally inserted central catheters? *Am J Infect Control*. 2019 Sep;47(9):1130-1134. Epub 2019 Jul 16. PMID: 31324486. PMCID: PMC6945769.
- 173. Czernik Z, Chang R, Chopra V. A Counterintuitive tool for Connected Care. *Ann Intern Med.* 2019 Aug 20;171(4):283-284. Epub 2019 Jul 16. PMID: 31307062.
- 174. Patel PK, Olmsted RN, Hung, L, Popovich KJ, Meddings J, Jones K, Calfee DP, Fowler KE, Saint S, **Chopra V.** A tiered approach for preventing central line-associated bloodstream infection: a narrative review. *Annals Int Med.* 2019 Oct 1;171(7_Suppl):S16-S22. PMID: 31569225.
- 175. Saint S, Meddings J, Fowler KE, Vaughn VM, Ameling JM, Rohde JM, Popovich KJ, Calfee DP, Krein SL, **Chopra V.** The Guide to Patient Safety for Healthcare Associated Infections. *Annals Int Med.* 2019 Oct 1;171(7_Suppl):S7-S9. PMID: 31569222.

- 176. Calfee DP, Davilla S, **Chopra V**, Patel PK, Snyder A, Ratz D, Rolle AJ, Olmsted RN, Popovich J. Quantitative results of a national intervention to prevent hospital-onset methicillin-resistant Staphylococcus aureus bloodstream infection: a pre-post observational study. *Ann Intern Med*. 2019 Oct 1;171(7_Suppl):S66-S72. PMID: 31569232.
- 177. Dubberke ER, Rohde JM, Saint S, Jones K, Snyder A, Rolle AJ, Chopra V. Quantitative results of a national intervention to prevent *clostridiodes difficile* infection: a pre-post observational study. *Annals Int Med.* 2019 Oct 1;171(7_Suppl):S52-S58. PMID: 31569233.
- 178. Patel PK, Greene MT, Jones K, Rolle AJ, Ratz D, Snyder A, Saint S, **Chopra V.** Quantitative results of a national intervention to prevent central line-associated bloodstream infection: a prepost observational study. *Ann Intern Med.* 2019 Oct 1;171(7 Suppl):S23-S29. PMID: 31569230.
- 179. Fowler KE, Forman J, Ameling JM, Rolle AJ, Bohr D, Schwartz B, Collier S, **Chopra V**, Meddings, J. Qualitative assessment of a state partner facilitated healthcare-associated infection prevention national collaborative. *Ann Intern Med.* 2019 Oct 1;171(7_Suppl):S75-S80. PMID: 31569227.
- 180. Popovich KJ, Calfee DP, Patel PK, Lassiter S, Rolle AJ, Hung L, Saint S, Chopra V. The Centers for Disease Control and Prevention STRIVE Initiative: Construction of a National Program to Reduce Healthcare-Associated Infections at the Local Level. *Ann Intern Med.* 2019 Oct 1;171(7_Suppl):S2-S6. PMID: 31569228.
- 181. Rohde JM, Jones K, Padron N, Olmsted RN, **Chopra V**, Dubberke ER. A tiered-approach for preventing *clostridiodes difficile* infection. *Ann Intern Med*. 2019 Oct 1;171(7_Suppl):S45-S51. PMID: 31569223.
- 182. Abedini N, Hechtman RK, Singh AD, Khateeb R, Mann J, Townsend W, **Chopra V.** Interventions to reduce aggressive care at the end of life among patients with cancer: a systematic review. *Lancet Oncol.* 2019 Nov;20(11):e627-e636. PMID: 31674321.
- 183. De Lott LB, Panarelli JF, Samimi D, Petrilli C, Snyder A, Kuhn L, Saint S, **Chopra V**, Whipple KM. Patient preferences for physician attire in ophthalmology practices. *J Acad Ophthalmol*. 2019 Jan;11(1):e36-e42. PMID: 31475243. PMCID: PMC6716523.
- 184. Patel SA, Araujo T, Rodriguez LP, Sanchez CR, Snyder A, **Chopra V.** Long peripheral catheters: a retrospective review of major complications. *J Hosp Med*. 2019 Dec 1;14(12):758-760. Epub 2019 Oct 23. PMID: 31634106.

- 185. Goyal A, Glanzman H, Quinn M, Tur K, Singh S, Winter S, Snyder A, Chopra V. Do Bedside Whiteboards Enhance Communication in Hospitals? An Exploratory Multimethod Study of Patient and Nurse Perspectives. *BMJ Qual Saf.* 2020 Oct;29(10):1-2. Epub 2019 Nov 6. PMID: 31694874.
- 186. Krein SL, Kronick SL, **Chopra V**, Shever LL, Weston LE, Gregory L, Harrod M. Comparing inpatient versus emergency department clinician perceptions of personal protective equipment for different isolation precautions. *Am J Infect Control*. 2020 Feb;48(2):224-226. Epub 2019 Oct 29. PMID: 31672320.
- 187. **Chopra V,** Janssen L, Bryant K, Fauerbach L, Talbot TR, Babcock HM. A process for assessing products for infection prevention in healthcare settings: a framework from the Healthcare Infection Control Practices Advisory Committee of the Centers for Disease Control and Prevention. *Ann Intern Med.* 2020 Jan 7;172(1):30-34. Epub 2019 Nov 19. PMID: 31739344.
- 188. **Chopra V**, Saint S. Mindful Mentorship. *Healthc (Amst)*. 2020 Mar;8(1):100390. Epub 2019 Nov 18. PMID: 31753751.
- 189. Friedman Peahl A, Heisler M, Essenmacher LK, Dalton VK, **Chopra V**, Admon LK, Moniz MH. A comparison of international prenatal care guidelines for low-risk women to inform high-value care. *Am J Obstet Gyencol*. 2020 May;222(5):505-507. Epub 2020 Jan 18. PMID: 31962108.
- 190. Ray-Barruel G, Cooke M, **Chopra V**, Mitchell M, Rickard CM. The I-DECIDED clinical decision-making tool for peripheral intravenous catheter assessment and safe removal: a clinimetric evaluation. *BMJ Open*. 2020 Jan 21;10(1):e035239. PMID: 31969371. PMCID: PMC7044901.
- 191. Kamata K, Kuriyama A, **Chopra V**, Saint S, Houchens N, Petrilli CM, Kuhn L, Snyder A, Ishimaru N, Takahashi H, Tokuda Y. Patient Prefrences for Physician Attire: A Multi-center Study in Japan. *J Hosp Med*. 2020 Apr 1;15(4):204-210. Epub 2020 Feb 11. PMID: 32118558.
- 192. Lescinskas EH, Trautner BW, Saint S, Colozzi J, Evertsz K, **Chopra V**, Krein SL. Use and patient-reported complications related to midline catheters and peripherally inserted central catheters. *Infect Control Hosp Epidemiol*. 2020 May;41(5):608-610. Epub 2020 Mar 4. PMID: 32127066.
- 193. Abedini NC, Choi H, Wei MY, Langa KM, **Chopra V.** The Relationship of Loneliness to End-of-Life Experience in Older Americans: A Cohort Study. *J Am Geriatr Soc.* 2020 May;68(5):1064-1071. Epub 2020 Mar 3. PMID: 32128789. PMCID: PMC7234919.

- 194. Saint S, **Chopra V.** Five questions Every Mentee Should Have an Answer to. *Am J Med.* 2020 Jul;133(7):779-780. Epub 2020 Mar 6. PMID: 32147445.
- 195. Chopra V, Toner E, Waldhorn R, Washer L. How Should U.S. Hospitals Prepare for Coronavirus Disease 2019 (COVID-19)? *Ann Intern Med.* 2020 May 5;172(9):621-622. Epub 2020 Mar 11. PMID: 32160273. PMCID: PMC7081177.
- 196. **Chopra V.** Making MAGIC: How to Improve the Use of Peripherally Inserted Central Catheters. *BMJ Qual Saf*, 2020 Nov;29(11):879-882. PMID: 32220939.
- 197. **Chopra V.** Focused ethnography: a new tool to study diagnostic errors? *Diagnosis*, 2020 Aug 27;7(3):211-214. PMID: 32304299.
- 198. Carey MR, Vaughn VM, Mann J, Townsend W, **Chopra V**, Patel PK. Is Non-Steroidal Anti-inflammatory therapy non-inferior to antibiotic therapy in uncomplicated urinary tract infections? A Systematic Review. *J Gen Intern Med.* 2020 Jun;35(6):1821-1829. Epub 2020 Apr 8. PMID: 32270403. PMCID: PMC7280390.
- 199. Ullman AJ, **Chopra V.** Developing pediatric appropriateness criteria for intravenous catheters. *Pediatrics*. 2020 Jun;145(Suppl 3):S231-S233. PMID: 32482736.
- 200. Ullman AJ, ChopraV, Brown E, Kleidon TM, Cooke M, Rickard CM, Bernstein SJ. Developing appropriateness criteria for pediatric vascular access. *Pediatrics*. 2020 Jun;145(Suppl 3):S233-S242. PMID: 32482737.
- 201. Paterson RS, **Chopra V**, Brown E, Kleidon TM, Cooke M, Rickard CM, Bernstein SJ, Ullman AJ. Selection and Insertion of Vascular Access Devices in Pediatrics: A Systematic Review. *Pediatrics*. 2020 Jun;145(Suppl 3): S233-S242. PMID: 32482738.
- 202. Ullman AJ, Bernstein SJ, Brown E, Aiyagiri R, Doellman D, Faustino EVS, Gore B, Jacobs J, Jaffray J, Kleidon TM, Mahajan P, McBride CA, Morton K, Pitts S, Prentice E, Rivard DC, Shaughnessy E, Stranz M, Wolf J, Cooper DS, Cooke CM, Rockard CM, **Chopra V.** The Michigan Appropriateness Fuide for Intravenous Catheters in Pediatrics: miniMAGIC. *Pediatrics*. 2020 Jun;145(Suppl 3):S269-S284. PMID: 32482739.
- 203. Harrison JD, Archuleta M, Avitia E, Banta J, Benn J, Burden M, Chopra V, Coker R, Eid S, Fang MC, Fletcher K, Hagan J, Jaranilla J, Mullick M, Nyenpan C, Silva L, Wurst M, Ziegler G, Leykum L. Developing a patient-and family-centered research agenda for hospital medicine: the improving hospital outcomes through patient engagement (i-HOPE) study. *J Hosp Med*. 2020 Jun;15(6):331-337. PMID: 32490806. PMCID: PMC7289507.

- 204. McMahon LF, Rize K, Irby-Johnson N, **Chopra V.** Designed to Fail? The Future of Primary Care. *J Gen Intern Medicine*. 2021 Feb;36(2):515-517. Epub 2020 Jul 29. PMID: 32728962. PMCID: PMC7390445.
- 205. Kleidon TM, Horowtiz MA, Rickard CM, Ullman AJ, Marsh N, Schults J, Ratz D, **Chopra V.** Peripherally Inserted Central Catheter Thrombosis Following placement via electrocardiography vs. traditional methods. *Am J Med.* 2020 Jul 14;S0002-9343(20)30557-X. PMID: 32673624.
- 206. Chen S, O'Malley M, **Chopra V.** How Common Are Indwelling Devices in Hospitalized Adults? A Contemporary Point Prevalence Study in A Tertiary Care Hospital. *Am J Infect Control*. 2021 Feb;49(2):194-197. Epub 2020 Jul 1. PMID: 32621860.
- 207. Gupta A, Quinn M, Saint S, Lewis R, Fowler KE, Winter S, **Chopra V.** The variability in how physicians think: a case-based diagnostic simulation exercise. *Diagnosis (Berl)*. 2020 Jul 22;8(2):167-175. PMID: 32697753. PMCID: PMC7855370.
- 208. McMahon LF Jr, Rize K, Irby-Johnson N, **Chopra V.** Designed to Fail? The Future of Primary Care. *J Gen Intern Med.* 2020 Jul 29;1-3. PMID: 32728962. PMCID: PMC7390445.
- 209. Rickard CM, Flynn J, Larsen E, Mihala G, Playford EG, Shaw J, Keogh S, Ullman A, Zhang L, Gavin N, Kleidon T, **Chopra V**, McCarthy S, Rocha PK, Marsh N. Needleless connector decontamination for prevention of central venous access device infection a pilot, randomized controlled trial. *Am J Infect Control*. 2021 Feb;49(2):269-273. Epub 2020 July 29. PMID: 32735809.
- 210. Luzum M, Sebolt J, Chopra V. Catheter-associated urinary tract infection, *clostridioides difficle* colitis, central line-associated bloodstream infection, and methicillin-resistant *staphylococcus* aureus. Med Clin North Am. 2020 Jul;104(4):663-679. Epub 2020 May 12. PMID: 32505259.
- 211. Saint S, **Chopra V**. Leadership & professional development: make a friend before you need one. *J Hosp Med*. 2020 May;15(5):268. PMID: 32379023.
- 212. Takashmia M, Cooke M, Devries M, Kleidon TM, Alexandrou E, **Chopra V**, Rickard CM. An implementation framework for the clinically indicated removal policy for peripheral intravenous catheters. *J Nurs Care Qual*. 2021 Apr-Jun 01;36(2):117-124. PMID: 32826696
- 213. Vaughn VM, Gandhi T, Petty LA, Patel PK, Prescott HC, Malani AN, Ratz D, Mclaughlin E, **Chopra V**, Flanders SA. Empiric antibacterial therapy and community-onset bacterial coinfection in patients hospitalized with COVID-19: a multi-hospital cohort study. *Clin Inf Dis.* 2021 May 18;72(10):e533-e541. PMID: 32820807. PMCID: PMC7499526.

- 214. Vaughn VM, Gandhi TN, **Chopra V**, Petty LA, Geisler DL, Malani AN, Bernstein S, Hsaiky LM, Pogue JM, Dumkow L, Ratz D, Mclaughlin ES, Flanders SA. Antibiotic overuse after hospital discharge: a multi-hospital cohort study. *Clin Infect Diseases*. 2020 Sep 11:ciaa1372. PMID: 32918077. PMCID: PMC7947015 (Online ahead of print)
- 215. Schults J, Kleidon T, **Chopra V**, Cooke M, Paterson R, Ullman AJ, Marsh N, Ray-Barruel G, Hill J, Devrim I, Hammarskjold F, Pedereira ML, Bertoglio S, Egan G, Mimoz O, van Boxtel T, DeVries M, Magalhaes M, Hallam C, Oakley S, Rickard CM. International recommendations for a vascular access minimum dataset: a Delphi consensus building study. *BMJ Qual Saf.* 2021 Sep;30(9);722-730. PMID: 32963025. PMCID: PMC8380895.
- 216. Vaughn VM, O'Malley M, Flanders Sam Gandhi TN, Petty LA, Malani AN, Weinmann A, Horowitz JK, **Chopra V.** Association of Infectious Disease physician approval of peripherally inserted central catheters with appropriateness and complications. *JAMA Network Open.* 2020 Oct 1;3(10):e2017659. PMID: 33084898.
- 217. Strohben GW, Hoffman SJK, Tokaz M, Hounchens N, Slavin R, Winter S, Quinn M, Ratz D, Saint S, **Chopra V**, Howell JD. Visual arts in the clinical clerkship: a pilot cluster-randomized controlled trial. *BMC Med Ed.* 2020 Nov 30;20(1):481. PMID: 33256727.
- 218. **Chopra V**, Flanders SA, O'Malley M, Malani AN, Prescott HC. Sixty day outcomes among patients hospitalized with COVID-19. *Ann Intern Med.* 2021 Apr;174(4):576-578.. PMID: 33175566. PMCID: PMC7707210.
- 219. Flood D, Hane J, Dunn M, Brown SJ, Wagenaar BH, Rogers EA, Hesiler M, Rohloff P, **Chopra V.** Health system interventions for adilts with type 2 diabetes in low and middle-income countries: a systematic review and meta-analysis. *PLOS Med* 2020; Nov 12;17(11). PMID: 33180775. PMCID: PMC7660583.
- 220. Marsh N, Webster J, Ullman AJ, Mihala G, Cooke M, **Chopra V**, Rickard CM. Peripheral intravenous catheter non-infectious complications in adults: a systematic review and meta-analysis. *J Adv Nurs*. 2020 Dec;76(12):3346-3362. Epub 2020 Oct 5. PMID: 33016412.
- 221. Abedini NC, Guo G, Hummel SL, Bozaan D, Beasley M, Cowger J, **Chopra V.** Factors influencing palliative care referral for hospitalized patients with heart failure: an exploratory, randomized, multi-institutional survey of hospitalists and cardiologists. *BMJ Open.* 2020 Dec 15;10(12):e040857. PMID: 33323440. PMCID: PMC7745336.
- 222. Krein SL, Harrod M, Weston LE, Garlick BR, Quinn M, Fletcher KE, Chopra V. Comparing peripherally inserted central catheter-related practices across hospitals with different insertion

- models: a multi-site qualitative study. *BMJ Qual Saf*. 2021 Aug;30(8):628-638. PMID: 33361343. PMCID: PMC8222389
- 223. Al-khafaji J, Gupta A, Chopra V. Revisiting handoffs: an opportunity to prevent error. *Diagnosis*. 2021 Jan5;dx-2021-0121. PMID: 33554532 (Online ahead of print)
- 224. Shannon EM, **Chopra V**, Greysen SR, Herzig SJ, Kripalani S, O'Leary KJ, Vasilevskis EE, Willams MV, Mueller SK, Auerbach AD, Schnipper JL. Dearth of Hospitalist Investigators in Academic Medicine: A Call to Action. *J Hosp Med*. 2021; 16(3):189-191. PMID: 33617444. PMCID: PMC7929609.
- 225. Govindan S, Jobe A, O'Malley M, Flanders S, **Chopra V**. To PICC or not to PICC? A cross sectional survey of vascular access practices in the ICU. *J Crit Care*. 2021; 63:98-103. PMID: 33652363.
- 226. **Chopra V,** O'Malley M, Horowtiz J, Zhang Q, McLaughlin E, Saint S, Bernstein SJ, Flanders S. Improving peripherally inserted central catheter appropriateness and reducing device-related complications: a quasi-experimental study in 52 Michigan hospitals. *BMJ Qual Saf.* 2021 Mar 29 (Online ahead of print). PMID: 33782091
- 227. Ullman AJ, August D, Kleidon T, Walker R, Marshn NM, Bulmer A, Pearch B, Runnegar N, Schults JA, Leema J, Lee-Archer P, Biles C, Southam K, Gibson V, Byrnes J, Wares RS, Chopra V, Coulthard A, Mollee P, Harris PNA. Peripherally inserted central catheter innovation to reduce infections and clots (the PICNIC Trial): a randomized controlled trial porotocol. *BMJ Open.* 2021; 14;11(4). PMID: 33853797 PMCID: PMC8054085
- 228. Ullman AJ, Paterson RS, Schults JA, Kleidon TM, August D, O,Malley M, Horowitz J, Rickard CM, Paje D, **Chopra V.** Do antimicrobial and antithrombogenic peripherally inserted central catheter materials prevent catheter complications? An analysis of 45,262 hospitalized medical patients. *Infect Control Hosp Epid.* 2021 Apr 28;1-8. PMID: 33908337
- 229. **Chopra V.** When COVID-19 Strikes Your Hospital. *Ann Intern Med.* 2021 Sept;174(9):1319-1320. PMID: 34224264 PMCID: PMC8265775
- 230. Taxbro K, Chopra V. Appropriate vascular access for patients with cancer. *Lancet.* 2021 Jul 31; 398 (10298):367-368. PMID: 34297999
- 231. **Chopra V**, Flanders SA, Vaughn V, Petty L, Gandhi T, McSparron J, Malani A, O'Malley M, Kim T, Mclaughlin E, Prescott H. Variation in COVID-19 characteristics, treatment and outcomes

- in Michigan: An observational study in 32 hospitals. *BMJ Open.* 2021 Jul 23;11(7):e044921. PMID: 34301650 PMCID: PMC8313307
- 232. Petty LA, Flanders SA, Vaughn VM, Ratz D, O'Malley M, Malani AN, Washer L, Kim T, Kocher KE, Kaatz S, Czilok T, Mclaughlin E, Prescott HC, **Chopra V**, Gandhi T. Risk factors and outcomes associated with community-onset and hospital-onset acquired co-infection in patients hospitalized for COVID-19: a multi-hospital cohort study. *Infect Control Hosp Epid* 2021 Jul 26;1-10. PMID: 34308805 PMCID: PMC8367863
- 233. Peahl AF, Zahn CM, Turrentine M, Barfield W, Blackwell SD, Roberts SJ, Powell AR, Chopra V, Bernstein SJ. The Michigan Plan for Appropriate Tailored Health Care in Pregnancy Prenatal Care Recommendations. *Obstet Gynecol* 2021 Oct 1;138(4):593-602. PMID: 34352810
- 234. Barrera CM, Powell AR, Biermann CR, Siden Y, Nguyen BH, Roberts SJ, James L, **Chopra V**, Peahl AF. A review of prenatal care delivery to inform the Michigan Plan for Appropriate Tailored Health Care in Pregnancy Panel. *Obstet Gynecol* Oct 1;138(4):603-615. PMID: 34352841
- 235. Cham P, Laventhal N, Burrows H, **Chopra V**, Weiner GM. Parent preferences for neonatal intensive care unit physician attire: a cross sectional study. *Am J Perinatol* 2021. PMID: 34396496 (Online ahead of print).
- 236. Prescott HC, Cheng B, Abshire C, O'Malley M, Flanders SA, Tipirneni R, **Chopra V.** Variation in scheduling and receipt of primary care followup after hospitalization for COVID-19 in Michigan. *J Gen Intern Med.* 2021 Sep 14:1-3. PMID: 34523083 PMCID: PMC8439530
- 237. Marsh N, Larsen EN, Takashima M, Kleidon T, Keogh S, Ullman AJ, Mihala G, **Chopra V**, Rickard CM. Peripheral intravenous catheter failure: a secondary analysis of risks from 11,830 catheters. *Int J Nurs Stud.* 2021 Sep 26;124:104095. PMID: 34689013
- 238. Sebolt J, Buchinger J, Govindan S, O'Malley M, **Chopra V.** Patterns of vascular access device use and thrombosis outcomes in patients with COVID-19: a pilot multi-site study of Michigan hospitals. *J Thromb Thrombolysis*. 2021 Sep 22:1-7. PMID 34550496
- 239. Robinson-Lane SG, Sutton NR, Chubb H, Yeow RY, Mazzara N, DeMarco K, Kim T, **Chopra V**. Race, Ethnicity and 60-day outcomes after hospitalization with COVID-19. *J Am Med Dir Assoc*. 2021;124:2245-2250. PMID 34716006
- 240. **Chopra V**, Flanders SA, O'Malley M, Malani AN, Prescott HC. Sixty-Day Outcomes Among Patients Hospitalized with COVID-19. Ann Intern Med. 2021 Apr:174(4):576-578. PMID: 33175566

- 241. Govindan S, Uhl A, **Chopra V**. Comment on: Use of peripherally inserted central catheters (PICCs) in ICU patients. J Crit Care. 2021 Dec;66:186. doi: 10.1016/j.jcrc.2021.06.019. Epub 2021 Aug 27. PMID: 34462199.
- 242. Marr R, Goyal A, Quinn M, **Chopra V**. Support opportunities for second victims lessons learned: a qualitative study of the top 20 US News and World Report Honor Roll Hospitals. BMC Health Serv Res. 2021 Dec 11;21(1):1330. doi: 10.1186/s12913-021-07315-1. PMID: 34895225; PMCID: PMC8665707.
- 243. Schults J, Paterson R, Kleidon T, Cooke M, Ullman A, McNeil K, Chopra V, Charles K, Ray-Barruel G, Marsh N, Sullivan C, Sturgess DJ, Rickard C. Understanding consumer preference for vascular access safety and quality measurement: an international survey. Aust Health Rev. 2022 Feb;46(1):12-20. doi: 10.1071/AH21053. PMID: 34905726.
- 244. Swaminathan L, Horowitz J, O'Malley M, Flanders SA, Chopra V. Safety and outcomes of midline catheters vs. peripherally inserted central catheters for short-term indications: a multicenter study. *JAMA Intern Med 2022* PMID: 34842905 (Online ahead of print)
- 245. Gupta A, Petty L, Gandhi T, Flanders S, Hsaiky L, Basu T, Zhang Q, Horowitz J, Masood Z, **Chopra V**, Vaughn VM. Overdiagnosis of urinary tract infection linked to overdiagnosis of pneumonia: a multihospital cohort study. BMJ Qual Saf. 2022 Jan 5:bmjqs-2021-013565. doi: 10.1136/bmjqs-2021-013565. Epub ahead of print. PMID: 34987084.
- 246. Rabelo-Silva ER, Lourenço SA, Maestri RN, Candido da Luz C, Carlos Pupin V, Bauer Cechinel R, Bordini Ferro E, Aurélio Lumertz Saffi M, do Campo Silva TC, Martins de Andrade L, Sales Gomes LF, Alves da Gama L, Marques de Araújo M, Santo FRFDE, López Pedraza L, Hirakata VN, Santana Soares V, Sousa Montenegro W, Rocha Costa de Freitas G, Souza de Jesus T, Chopra V; PICC-Brazil Research Group. Patterns, appropriateness and outcomes of peripherally inserted central catheter use in Brazil: a multicentre study of 12 725 catheters. BMJ Qual Saf. 2022 Jan 27:bmjqs-2021-013869. doi: 10.1136/bmjqs-2021-013869. Epub ahead of print. PMID: 35086961.
- 247. Ullman AJ, Gibson V, Takashima MD, Kleidon TM, Schults J, Saiyed M, Cattanach P, Paterson R, Cooke M, Rickard CM, Byrnes J, **Chopra V**. Pediatric central venous access devices: practice, performance, and costs. Pediatr Res. 2022 Feb 8. doi: 10.1038/s41390-022-01977-1. Epub ahead of print. PMID: 35136199.
- 248. Rickard CM, Paterson DL, **Chopra V**. For and Against Routine Removal of Peripheral Intravenous Catheters. JAMA Intern Med. 2022 Feb 14. doi: 10.1001/jamainternmed.2021.8304. Epub ahead of print. PMID: 35157008.

- 249. Tipirneni R, Karmakar M, O'Malley M, Prescott HC, **Chopra V**. Contribution of Individual- and Neighborhood-Level Social, Demographic, and Health Factors to COVID-19 Hospitalization Outcomes. Ann Intern Med. 2022 Feb 22. doi: 10.7326/M21-2615. Epub ahead of print. PMID: 35188790.
- 250. Marcus ME, Manne-Goehler J, Theilmann M, Farzadfar F, Moghaddam SS, Keykhaei M, Hajebi A, Tschida S, Lemp JM, Aryal KK, Dunn M, Houehanou C, Bahendeka S, Rohloff P, Atun R, Bärnighausen TW, Geldsetzer P, Ramirez-Zea M, **Chopra V**, Heisler M, Davies JI, Huffman MD, Vollmer S, Flood D. Use of statins for the prevention of cardiovascular disease in 41 low-income and middle-income countries: a cross-sectional study of nationally representative, individual-level data. Lancet Glob Health. 2022 Mar;10(3):e369-e379. doi: 10.1016/S2214-109X(21)00551-9. PMID: 35180420; PMCID: PMC8896912.
- 251. Ullman AJ, Kleidon TM, Gibson V, Takashima M, Schults J, Cattanach P, Paterson R, Cooke M, Byrnes J, Saiyed M, **Chopra V**, Rickard C. Experiences of children with central venous access devices: a mixed-methods study. Pediatr Res. 2022 Apr 11. doi: 10.1038/s41390-022-02054-3. Epub ahead of print. PMID: 35411069.

Non-Peer Reviewed Publications

- 1. **Chopra V**, LaBrin J. Ten Commandments for Creating Mesmerizing PowerPoint Presentations. *The Hospitalist, March 2010.*
- 2. **Chopra V,** Eagle KA. Cardiac Risk of Non-cardiac surgery: The Latest. Current Reviews Anesthesiology. January 2012.
- 3. Vaishnava P, Chopra V, Eagle KA. Perioperative beta-blockade: between a rock and a hard place. CardioExchange 13 Feb 2014. Available online at: http://www.cardioexchange.org/voices/perioperative-beta-blockade-between-a-rock-and-a-hard-place/
- 4. **Chopra V**, Saint S. Forget scrubs: doctors need a dress code. *Washington Post*. Available online at: https://www.washingtonpost.com/posteverything/wp/2015/07/07/forget-scrubs-doctors-need-a-dress-code/ (Viewed over 135,000 times)
- 5. **Chopra V**, Flanders SA. Is Your Doctor Choosing the Right IV? *The Conversation*. Available online at: https://theconversation.com/is-your-doctor-choosing-the-right-iv-48199
- 6. **Chopra V.** Picking up the cause of the stroke. PSNet, Agency for Healthcare Research and Quality. February 2016.
- 7. **Chopra V.** The Future of Infusion Therapy Foreword to the 2016 Infusion Nursing Standards in Practice. *J Infus Nursing*. 2015.

- 8. Moureau N, Chopra V. Making the MAGIC: guiding vascular access selection for intensive care a summary of Michigan Appropriateness Guide for Intravenous Catheters (MAGIC). ICU Management & Practice. 2016; 16(2):76-8.
- 9. **Chopra V**, Dixon-Woods M, Saint S. The Four Golden Rules of Effective Menteeship. *BMJ Careers*. Available online at: http://careers.bmj.com/careers/advice/The_four_golden_rules_of_effective_menteeship.
- 10. **Chopra V.** Introducing Leadership and Professional Development. *J Hosp Med.* 2019 Feb;14(2):73. PMID: 30785413.
- 11. **Chopra V.** Leadership & Professional Development: Hire Hard, Manage Easy. *J Hosp Med.* 2019 Feb;14(2):74. PMID: 30785414.
- 12. **Chopra V, Saint S.** Leadership & Professional Development: Know Your TLR. *J Hosp Med.* 2019 Mar;14(3):189. PMID: 30811329.
- 13. **Chopra V.** Embracing the Gap Year as a Hospitalist. *J Am Coll Cardiol*. 2019 Sep 10;74(10):1419. PMID: 31488277.
- 14. Wesorick DH, **Chopra V**. Annals for hospitalists 21 January 2020. *Ann Intern Med*. 2020 Jan 21;172(2):HO1. PMID: 31958841.
- 15. Wesorick DH, **Chopra V**. Annals for hospitalists 18 February 2020. *Ann Intern Med*. 2020 Feb 18;172(4):HO1. PMID: 32066165.
- 16. Wesorick DH, **Chopra V**. Annals for hospitalists 21 April 2020. *Ann Intern Med*. 2020 Apr 21:172(8):HO1. PMID: 32311719.
- 17. Wesorick DH, **Chopra V**. Annals for hospitalists 19 May 2020. *Ann Intern Med*. 2020 May 19;172(10):ED10. PMID: 32422107.
- 18. Wesorick DH, **Chopra V**. Annals for hospitalists 16 June 2020. *Ann Intern Med*. 2020 Jun 16;172(12). PMID: 32539511.
- 19. Wesorick DH, **Chopra V**. Annals for hospitalists 21 July 2020. *Ann Intern Med*. 2020 Jul 21;173(2). PMID: 32687761.

- 20. Wesorick DH, **Chopra V**. Annals for hospitalists 18 Aug 2020. *Ann Intern Med.* 2020 Aug 18;173(4). PMID: 32687761.
- 21. Wesorick DH, **Chopra V**. Annals for hospitalists 17 Nov 2020. *Ann Intern Med.* 2020 Oct 20;173(8). PMID: 33075266.
- 22. Wesorick DH, **Chopra V**. Annals for hospitalists 15 December 2020. *Ann Intern Med*. 2020 Dec 15;173(12). PMID: 33316196.
- 23. Wesorick DH, **Chopra V**. Annals for hospitalists 19 January 2021. *Ann Intern Med*. 2021 Jan 174 (1). PMID: 33460538.

Textbooks

- 1. Saint S, **Chopra V** (Editors). The Saint-Chopra Guide to Inpatient Medicine. Fourth Edition. Oxford Press 2018.
- 2. **Chopra V,** Vaughn VM, Saint S (Editors and Authors). The Mentoring Guide. University of Michigan Press 2019. First Edition.
- 3. **Chopra V,** Saint S (Editors and Authors). Thirty Rules for Healthcare Leaders. University of Michigan Press 2019. First Edition.
- 4. Meddings J, Chopra V, Saint S (Editors and Authors). Preventing Hospital Infections. Oxford University Press 2020. Second Edition.

Book Chapters

- 1. **Chopra V**, Froehlich JB. Chapter 9: Assessing and Managing Cardiac Risk. Evidence-Based Perioperative Medicine, Third Edition. Lippincott, Williams and Wilkins (solicited).
- 2. **Chopra V,** Froehlich JB. Chapter 24: Perioperative Management of Patients with Peripheral Arterial Disease. Manual of Vascular Diseases, Second Edition. Lippincott, Williams and Wilkins (solicited).
- 3. Sinha S, Eagle KE, **Chopra V.** Clinical Decision-Making and Evaluating Diagnostic Tests. Tandon's Textbook of Cardiology, Second Edition. Wolters Kluwer (solicited).

Letters

- 1. **Chopra V,** Flanders SA, Eagle KA. Beta-Blockers for Perioperative Protection: Nuances, Dogmas and Future Directions The Reply. *Am J Med.* 2009;122;e9.
- 2. **Chopra V,** Flanders SA. Statins and Pneumonia: The Need for Randomized Controlled Trials The Reply. *Chest.* 2010;137(5):1249-1250.

- 3. **Chopra V**, Rogers MA, Saint S, Flanders SA. Risks associated with peripherally inserted central catheters The Reply. *Lancet*. 2013. Oct 26; 382(9902):1400.
- 4. **Chopra V,** Flanders SA. The challenge of designing a statin pneumonia RCT The Reply. *Am J Med*, 2013 Jul;126(7):e13.
- 5. **Chopra V,** Safdar N. Reply to Parcell et al. *Infect Control Hosp Epidemiol*. 2013 Dec;34(12): 1329-1330.
- 6. **Chopra V,** McMahon LA. Hospital alarms and patient safety The Reply. *JAMA*. 2014 Aug 13;312(6):651-652.
- 7. **Chopra V,** Ratz D, Kuhn L, Lee AY, Krein S. Peripherally inserted central catheter-related deep vein thrombosis: contemporary patterns and predictors The Reply. *J Thromb Hemostasis* 2014 Nov;12(11):1944-7.
- 8. Waljee JF, **Chopra V**, Saint S. Generational Differences in Mentoring Relationships-Reply. *JAMA*. 2018 Sept 11; 320:1038.
- 9. Vaughn VM, Gandhi T, **Chopra V**, Malani AN, Flanders SA. Reply to Truong, Hsu and Yamaki. *Clin Infectious Dis*. 2019 Nov 13;69(11):2043-2044.
- 10. Paje D, Rogers MAM, Conlon A, Flanders SA, Bernstein SJ, **Chopra V.** Peripherally inserted central catheters in patients with advanced chronic kidney disease. *Ann Intern Med.* 2019 Nov 5;171(9):683-684.

Abstracts/Poster Presentations (competitive)

- 1. Ruwende C, Yanamadala S, **Chopra V**, D'Alecy L, Marmur JD, Cavusoglu E, Pinsky DJ. Endogenous Methylated Arginine Ratio Portends Coronary Atherosclerotic Risk In Patients Referred For Cardiac Catheterization. *J. Am Coll Card. 2005; 415A:1126-131. February 2005*.
- 2. **Chopra V.** Help! No One Is Using Our Hospitalists. *Poster presentation at the Annual Society of Hospital Medicine Meeting, San Diego, CA. April 2008.*
- 3. **Chopra V.** Please Return To The Hospital! Your Test Results Show You May Have.... *Poster presentation at the Annual Society of Hospital Medicine Meeting, San Diego, CA. April 2008.*
- 4. **Chopra V.** It May Look Like Malignancy, But the Truth Lies In The Tissue. *Poster presentation at the Annual Society of Hospital Medicine Meeting, Chicago, IL. May 2009.*
- 5. **Chopra V**, Gogineni P. MComm: Redefining Medical Communication In The 21st Century. *Poster and plenary session at Annual Society of Hospital Medicine Meeting, Chicago, IL. May 2009.*

- 6. Chopra V, Rohde J. Saved By The Hip. Journal of Hospital Medicine 2010;5: 111–199. doi: 10.1002/jhm.70 April 2010.
- 7. **Chopra V.** What Lies Beneath. Journal of Hospital Medicine 2010;5: 111–199. doi: 10.1002/jhm.70 April 2010.
- 8. Kim HW, Chopra V. Lymphadenopathy in IBD: "Think Outside The Box." *Journal of Hospital Medicine*, 5: 111–199. doi: 10.1002/jhm.70 April 2010.
- 9. **Chopra V**, Wesorick DA, Flanders SA, Eagle KA. Does Perioperative Statin Treatment Affect Hospital and ICU Length of Stay Following Cardiac Surgery: A Systematic Review. *Cleveland Clinic J Med 2011;78:eS28-eS29. March 2011*.
- 10. **Chopra V.** Hypertension and a Bruit. *Annual Society of Hospital Medicine Meeting, Dallas, TX. May 2011.*
- 11. **Chopra V.** Facebook, Readmissions and Electronic Health Systems. *Annual Society of Hospital Medicine Meeting, Dallas, TX. May 2011.*
- 12. **Chopra V.** Seeing Is Believing. Annual Society of Hospital Medicine Meeting, San Diego, CA. April 2012. Journal of Hospital Medicine 7 Suppl 2:505
- 13. **Chopra V**, Rogers AM, Buist M, Govindan S, Saint S, Flanders SA. Is Current Statin Use Associated with Decrease 30-day Mortality After Pneumonia: A Systematic Review and Meta-Analysis. *Annual Society of Hospital Medicine Meeting, San Diego, CA. April 2012. Journal of Hospital Medicine 7 Suppl 2:519*
- 14. **Chopra V,** Moak L, Dagher N, Healy C, Eagle KA. Does Statin Withdrawal Influence Outcomes after Head and Nek Cancer Surgery: A Retrospective Cohort Study of 443 patients. *Annual Society of Hospital Medicine Meeting, San Diego, CA. April 2012. Journal of Hospital Medicine 7 S2:116*
- 15. Chopra V, Flanders SA, Saint S. When and How Does PICC-Related DVT Occur? An epidemiological study. *Annual Society of Hospital Medicine Meeting, Washington, DC. April 2013.*Journal of Hospital Medicine 8 Suppl 1:634.
- 16. **Chopra V**, Anand S, Hickner A, Rogers MA, Saint S, Flanders SA. Risk of venous thromboembolism associated with peripherally inserted central catheters: a systematic review and meta-analysis. *Annual Society of Hospital Medicine Meeting, Washington, DC. April 2013. Journal of Hospital Medicine 8 Suppl 1:633.*
- 17. **Chopra V,** Coffey CE, Barron J, Salameh M, Krein SA, Flanders SA, Saint S. Hospitalist Experiences, Practice, Opinions and Knowledge related to peripherally inserted central catheters: A Michigan Survey. *Annual Society of Hospital Medicine Meeting, Washington, DC. April 2013. Journal of Hospital Medicine 8 Suppl 1:657.*

- 18. Chopra V, O'Horo J, Safdar N. Are peripherally inserted central catheters associated with lower risk of bloodstream infection? A systematic review and meta-analysis. *Annual Society of Hospital Medicine Meeting, Washington, DC. April 2013. Journal of Hospital Medicine 8 Suppl 1:531*
- 19. **Chopra V**, Butz L, Nixon DC. Beware Postoperative Fever. *Annual Society of Hospital Medicine Meeting, Washington, DC. April 2013. Journal of Hospital Medicine 8 Suppl 1:1008*
- 20. Khan A, Chopra V. Readdressing Vancomycin: A Case Study. *Annual Society of Hospital Medicine Meeting, Washington, DC. April 2013. Journal of Hospital Medicine 8 Suppl 1:1025*
- 21. Hartley S, Kuhn L, Valley S, Fallouh N, Dussan K, Judd S, Murphy SA, Saint S, Chopra V. Off-Label Use Of Ondansetron In Hospitalized Medical Patients: Prevalence, Patterns, And Predictors. *Annual Society of Hospital Medicine Meeting, Washington, DC. April 2013. Journal of Hospital Medicine 8 Suppl 1:607.*
- 22. Govindan S, **Chopra V**, Flanders SA, Iwashyna TJ. The Effect of Early Mobilization on Outcomes Following Sepsis in Non-ICU Patients. A Systematic Review. *American Thoracic Society Annual Meeting, Philadelphia, PA, May 2013.*
- 23. **Chopra V**, Greene MT, Bernstein SJ, Flanders SA. Association between upper and lower extremity deep vein thrombosis and peripherally inserted central catheters: think below the waist. *Journal of Hospital Medicine* 2014;9 (Suppl 2):52
- 24. Petrilli CM, Mack M, Petrilli JJ, Hickner A, Saint S, **Chopra V**. Understanding the role of physician attire on patient perceptions: a Systematic Review. *Journal of Hospital Medicine* 2014;9 (Suppl 2):6
- 25. Teo HK, Nichani S, Kuhn L, Krein S, **Chopra V**. Nursing Practice, Concerns and Knowledge Gaps related to peripherally inserted central catheters: A Survey-Based Study. *Journal of Hospital Medicine* 2014;9 (Suppl 2):84
- 26. **Chopra V,** Ratz D, Kuhn L, Lopus T, Chenoweth C, Krein S. Peripherally inserted central cahteter-related bloodstream infection: prevalence, patterns and predictors. *Journal of Hospital Medicine* 2014;9 (Suppl 2):53
- 27. **Chopra V**, Govindan S, Sweis R, Teply M, Kuo S, Barron J, Thompson R, Saint S. Do physicians know which of their patients have central venous catheters? A multi-center, cross-sectional study. *Journal of Hospital Medicine* 2014;9 (Suppl 2):77
- 28. Melin N, **Chopra V**, Thompson R. Awareness of central venous catheters: a patient safety survey. *Journal of Hospital Medicine* 2014;9 (Suppl 2):141
- 29. **Chopra V**, Javaid B, Madion M, Pollack J, Lieberman L, Harris R, Patel RP, Schmedlen R, McMahon LF. Introducing the "Intelligent Safety Intervention System (ISIS)." *Journal of Hospital Medicine* 2014;9 (Suppl 2):198

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- 30. **Chopra V,** Saint S, Flanders SA, Bernstein SJ. Appropriateness Criteria for use of PICCs in Hospitalized Patients. *J Hosp Medicine*. 2015
- 31. **Chopra V,** Bernstein SJ, Kaatz S, Paje D, Boldenow T, Swaminathan L, Flanders SA. Variability in Use and Outcomes Related to Peripherally Inserted Central Catheters in Michigan Hospitals: Results of a Pilot Study. *J Hosp Medicine*. 2015
- 32. **Chopra V,** Kuhn L, Ratz D, Krein SL. Use of Designated Nurse PICC Teams by U.S. Hospitals: A Survey Based Study. *Soc Healthcare Epid America (SHEA)*, 2015.
- 33. **Chopra V**, Flanders SA, Saint S, Bernstein, SJ. The Michigan Appropriateness Guide for Intravenous Catheters (MAGIC). *Soc Healthcare Epid America (SHEA)*, 2015.
- 34. Kramer RD, Saint S, Mann J, Conte ML, **Chopra V.** Do Antimicrobial Peripherally Inserted Central Catheters Reduce the Risk of Central line-associated bloodstream infection? A Systematic Review and Meta-Analysis. *ID Week* 2015.
- 35. Kramer RD, Saint S, **Chopra V.** Are Antimicrobial Peripherally Inserted Central Catheters Associated With Reduced Risk of Central line-associated bloodstream infection? A Systematic Review and Meta-Analysis. *Society of Hospital Medicine* 2016.
- 36. Ratz D, Saint S, Hofer P, Flanders SA, **Chopra V.** Limiting the Number of PICC Lumens to Prevent Complications and Improve Safety: A Simulation-based analysis. *Society of Hospital Medicine* 2016.
- 37. **Chopra V**, Smith S, Kaatz S, Boldenow T, Swaminathan L, Hettiarachi M, Bernstein SJ, Flanders SA. Short Term Use of Peripherally Inserted Central Catheters in Michigan Hospitals: Prevalence, Patterns and Outcomes. *Society of Hospital Medicine* 2016.
- 38. **Chopra V**, Priya A, Pekow P, Thompson R, Flanders SA, Lindenauer PK. Use of PICCs in Patients with Pneumonia in the United States a secondary analysis of PREMIER data. *Society of Hospital Medicine* 2016.
- 39. Rogers MA, Blumberg N, Bernstein SJ, Flanders SA, **Chopra V**. The Influence of Red Blood Cell Transfusion on Venous Thromboembolism in Patients With Peripherally Inserted Central Catheters." *Society of Hospital Medicine* 2016.
- 40. **Chopra V**, Vaughn M, Kuhn LK, Ratz D, Flanders SA, Krein SK. Vascular Access Nursing Experience, Practice, Knowledge and Beliefs: Results from The National *PICC1* Survey. *Society of Hospital Medicine* 2016.
- 41. Smith SN, Boldenow T, Kaatz S, Swaminathan L, Hettiarachi M, Berstein SJ, Flanders SA, **Chopra V**. Predictors of Occlusion in Peripherally Inserted Central Catheters: Evidence from 12,000 patients in the Michigan Hospital Medicine Safety Consortium. *Society of Hospital Medicine* 2016.

- 42. Salata B, Clark J, Cai P, **Chopra V**. Are PICCs Associated with Greater Rates of Occlusion Than Other Central Venous Catheters? A Systematic Review and Meta-Analysis. *Society of Hospital Medicine* 2016.
- 43. Vaughn V, Kuhn LK, Ratz D, Flanders SA, Krein SK, Chopra V. Does Certification in Vascular Access Matter? Insights from the National *PICC1* Survey? *Society of Hospital Medicine* 2016.
- 44. Krein S, Kuhn L, Ratz D, Winter S, **Chopra V**. Vascular Access Nurses Perceived Roles and Potentially Inappropriate Use of Peripherally Inserted Central Catheters in US Hospitals. *Academy Health*, 2016. Boston, MA.
- 45. Vaughn V, Kuhn L, Ratz D, Flanders S, Krein S, **Chopra V**. Does Certification in Vascular Access Matter? Insights from the PICC1 Survey. *Society of General Internal Medicine (SGIM)*, 2016, Toronto, Canada.
- 46. Vaughn V, Shuster D, Rogers M, Saint S, Chopra V. Does Early Feeding Reduce Length of Hospital Stay in Acute Pancreatitis? A Systematic Review and Meta-analysis. *Society of General Internal Medicine (SGIM)*, 2016, Toronto, Canada.
- 47. Herc E, Patel P, Conlon A, Bernstein SJ, Swaminathan L, Flanders SA, Chopra V. Predicting Central Line-Associated Bloodstream Infection in Patients with PICCs: A Risk Prediction Tool. *Society of Hospital Medicine* 2017.
- 48. Gupta A, Kachalia AK, Snyder A, Flanders SA, Saint S, **Chopra V.** Trends in Incidence and Liabilithy Costs from Diagnostic Error in Inpatient Settings: Insights from the National Practitioner Data Bank. *Society of Hospital Medicine* 2017.
- 49. Goyal A, Tur K, Mann JM, Townsend W, Flanders SA, Chopra V. Do bedside visual tools improve patient and caregiver satisfaction? A Systematic Review of the Literature. *Society of Hospital Medicine* 2017.
- 50. Heidemann L, Nathani N, Courey AC, Sagana R, **Chopra V**, Heung M. A contemporary assessment of mechanical complication rates and trainee perceptions of central venous catheter insertion. *Society of Hospital Medicine* 2017.
- 51. **Chopra V,** Paje D, Conlon A, Grant PJ, Kaatz Sm Bernstein SJ, Flanders SA. The Michigan Risk Score to Predict PICC-Related Venous Thromboembolism. *Society of Hospital Medicine* 2017.
- 52. Paje D, Kaatz S, Chopra V, Flanders SA. Are underweight patients at higher risk of bleeding? *Society of Hospital Medicine* 2017. Department QI award for Dan Giesler
- 53. Paje D, Kaatz S, Flanders SA, **Chopra V.** Patterns and Predictors of Short-term use of Peripherally inserted central catheters: A multi-site prospective study. *Society of Hospital Medicine* 2017.
- 54. Petrilli CM, Bozaan D, Chopra V. Whoosh, there it is! Society of Hospital Medicine 2017.

- 55. Vaughn VM, Flanders SA, **Chopra V**, Conlon A, Nielsen D, Malani A, Thyagrajan R, Hsaiky L, Gandhi T. Factors associated with excess duration of antibiotic therapy for patients admitted with pneumonia in Michigan hospitals: A Cohort Study. *Society of Hospital Medicine* 2017.
- 56. Gupta A, Quinn M, Lewis R, Winter S, Saint S, Chopra V. A case-based approach to diagnostic reasoning. *Society of Hospital Medicine* 2018.
- 57. **Chopra V,** Flanders SA, Conlon A, Saint S. Measuring and reporting CLABSI: More than meets the eye? *Society of Hospital Medicine* 2018.
- 58. Gupta A, Harrod M, Quinn M, Fowler KE, Manojolovich M, Saint S, **Chopra V.** Bridging the gap between system-based and cognitive contributions to diagnosis. *Society of Hospital Medicine* 2018.
- 59. **Chopra V,** Kaatz S, Swaminathan L, Conlon A, Flanders SA. Does EKG-Guided PICC Insertion Reduce Risk of DVT? *Society of Hospital Medicine* 2018.
- 60. Goyal A, Glanzman H, Tur K, Quinn M, Kochar S, Snyder A, Winter S, Chopra V. Patients perspectives on whiteboards as bedside visual tools to enhance communication a mixed methods study. *Society of Hospital Medicine* 2019.
- 61. Vaughn V, Gandhi T, Petty L, Conlon A, Malani A, Bloemers S, McLaughlin E, Weinman A, Osterholzer D, **Chopra V**, Flanders S. The Michigan Hospital Medicine Safety Consortium: Improving Patient Care by Reducing Excessive Antibiotic Use in Patients Hospitalized with Community-Acquired Pneumonia. *Society of Hospital Medicine* 2019.
- 62. **Chopra V**, Burris R. Nabeel M, Mclaughlin E, Weinman A, Swaminathan L, Flanders S. PICCs in SNFs: Patterns of PICC use in patients discharged to skilled nursing facilities. *Society of Hospital Medicine* 2019.
- 63. Stephenson D, Schildhouse RJ, Winter S, **Chopra V.** Are hospitalists ready, willing and able to respond to cardiac arrest? A Multi-Center Survey. *Society of Hospital Medicine* 2019.
- 64. Swaminathan L, Flanders S, Ratz D, Czilok T, Mclaughlin E, Hettiarachchi M, **Chopra V.** Are midlines safer than PICCs in hospitalized patients? Comaprison of outcomes of PICCs vs. Midlines from a statewide collaborative. *Society of Hospital Medicine* 2019.
- 65. Marr R, Goyal A, **Chopra V**, Snyder A, Greene T, Winter S. Support Opportunity for Second Victims (SOS). *Society of Hospital Medicine* 2019.
- 66. **Chopra V**, Kaatz S, Swaminathan L, Boldenow T, Snyder A, Burris R, Flanders S. Variation in use and outcomes of midline catheters: a multi-center study. *Society of Hospital Medicine* 2019.
- 67. **Chopra V**, Kaatz S, Croteau D, McLaughlin E, Burris R, Flanders S. Patterns of PICC use in patients with Chronic Kidney Disease. *Society of Hospital Medicine* 2019.

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- 68. Adzemovic T, Govindan S, Berke K, Zheutlin A, Duffy B, Guduguntla V, Baskin A, Song M, Khurana I, **Chopra V**. Do Clinicians know which of their patients have peripheral intravenous catheters? *Society of Hospital Medicine* 2019.
- 69. Patel S, **Chopra V**, Rodriguez-Parra L, Araujo T, Ramirez-Sanchez C. Midlines: an urban hospitals experience. *Society of Hospital Medicine* 2019.
- 70. Abedini N, Choi H, Wei M, Langa K, **Chopra V.** The relationship of loneliness to symptom burden, intensity of care, and advance care planning at end of life in older Americans. *Society of Hospital Medicine* 2019.
- 71. Harrison J, Avitia E, Archuleta M, Banta J, Burden M, Chopra V, Coker R, Eid S, Fang M, Fletcher K, Hagan J, Jaranilla J, Mullick M, Nyenpan C, Silva L, Wurst M, Ziegler G, Leykum L. The I-HOPE study: improving hospital outcomes through patient engagement. *Society of Hospital Medicine* 2019.
- 72. Abedini N, Kramer R, Singh A, Mann J, Khateeb R, Townsend W, Chopra V. Interventions to reduce aggressive end of life care among cancer patients: a systematic review. *Society of Hospital Medicine* 2019.
- 73. Amin M, Kokaly A, Bozaan D, Marr R, Winter S, **Chopra V.** A study on internet use for health information in the hospitalized patient. *Society of Hospital Medicine* 2019.
- 74. Rogers MAM, Flanders S, Mclaughlin E, Burris R, Weinmann A, Swaminathan L, **Chopra V**. Applying MAGIC to improve PICC appropriateness in 42 Michigan hospitals. *Society of Hospital Medicine* 2019.
- 75. Heidemann L, Houchens N, Hartley S, Saint S, Winter S, **Chopra V.** Direct observation of clinical teaching on rounds (DOCTOR). *Society of Hospital Medicine* 2019.
- 76. Urvashi M, **Chopra V**. Should PICCs be avoided in patients with certain solid organ cancers? *ASCO Annual Meeting* 2021.