

Date of Preparation: 2/26/2016



Signature

Sorabh Dhar MD

Track: Clinician Educator

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EDUCATION

Graduate:

State University of New York at Buffalo: School of Medicine, Buffalo NY

Degree: MD 6/2000

Baccalaureate:

State University of New York at Buffalo, Buffalo, NY

Degree: B.A. Biology 5/1996

DATES

Jul 1996 – Jun 2000

Aug 1992 - May 1996

POSTGRADUATE TRAINING

Stanford Faculty Development Center for Medical Teachers - Medical Teaching Program, Wayne State University, Detroit MI

Nov 2013 - Dec 2013

University of Bern, Institute of Infectious Diseases, Bern Switzerland - Post - Doctoral Lab of Katherin Muhlemann M.D, Ph.D., Institute of Infectious Diseases, University Hospital, University of Bern, Switzerland

Aug 2006 - Jun 2007

Cleveland Clinic Foundation, Department of Infectious Diseases, Cleveland OH
Clinical Fellow Infectious Diseases

Jul 2004 – Jun 2006

State University of New York at Buffalo, Department of Internal Medicine & Pediatrics Residency, Buffalo NY
Internal Medicine/Pediatrics Residency

Jul 2000- Jun 2004

FACULTY APPOINTMENTS

Assistant Professor of Medicine Wayne State University, Division of Infectious Diseases, Detroit MI	Sep 2008-Present
Clinical Associate Cleveland Clinic Lerner College of Medicine of Case Western Reserve University, Cleveland OH	Aug 2007- Jun 2008

HOSPITAL OR OTHER PROFESSIONAL APPOINTMENTS

Associate Medical Director of Infection Prevention & Hospital Epidemiology, Detroit Medical Center, Detroit, MI <i>Roles include the reduction of device associated infections and prevention of the spread of infections for all Detroit Medical Center Hospitals at a system level.</i>	Jan 2013 – Present
Medical Director of Antimicrobial Stewardship, John D Dingell Veterans Affairs Medical Center (VAMC), Detroit, MI <i>Charged with the creation and oversight of program to ensure appropriate usage and monitoring of antibiotics, prevent adverse events, and decrease antibiotic resistance.</i>	Oct 2012 – Present
Chair of Continuing Medical Education (CME) Committee Society of Healthcare Epidemiology of America (SHEA) <i>Nominated by national professional society of infection control to serve as committee chair to ensure that educational offerings were consistent with the organizational mission statement and in compliance with Accreditation Council for Graduate Medical Education (ACGME) accreditation regulations.</i>	Jan 2011-Dec 2013
Medical Director of Infection Prevention & Hospital Epidemiology for 3 hospitals (Detroit Receiving Hospital, Rehabilitation Institute of Michigan, and John D. Dingell Veterans Affairs Medical Center (VAMC), Detroit, MI) <i>Program chair to evaluate and decrease hospital acquired infections (such device infections, infectious diarrhea, environmental colonization/cleaning, surgical infections) and improve hand hygiene to maintain a safe hospital environment.</i>	Sep 2008 – Present
Chief of Infectious Diseases, Detroit Receiving Hospital (DRH), Detroit MI <i>Regulatory role for credentialing and monitoring the infectious disease program at DRH.</i>	Sep 2008 – Present

Staff Physician, Detroit Medical Center, Detroit, MI <i>Providing direct Infectious Diseases consultation services to patients in addition to teaching of house staff, nursing, and medical students at Detroit Medical Center.</i>	Sep 2008 - Present
Staff Physician, John D. Dingell Veterans Affairs Medical Center (VAMC), Detroit, MI <i>Providing direct Infectious Diseases consultation services to patients and teaching of house staff, nursing, and medical students.</i>	Sep 2008 - Present
Staff Physician, Cleveland Clinic, Cleveland, OH <i>Providing direct Infectious Diseases consultation services to patients and teaching of house staff, nursing, and medical students.</i>	Jun 2007 - Aug 2008

MAJOR PROFESSIONAL SOCIETIES

Infectious Diseases Society of America (IDSA)	Jul 2004 – Present
Society of Healthcare Epidemiology of America (SHEA)	Sep 2008 – Present

MEDICAL LICENSURE

State of Michigan. Board of Michigan Medical License (<i>Active, #4301093149, 7/8/2008 - 1/31/2018</i>)	Jul 2008 – Present
State of Ohio. Board of Ohio Medical License (<i>Inactive, #35.084079, 3/36/2004 – 4/1/2009</i>)	Mar 2004 - Jan 2009

BOARD CERTIFICATION

Subspecialty Board Certification on Infectious Diseases * (<i>#230579, Exp: 12/16</i>)	Sep 2006 – Dec 2016
American Board of Pediatrics Certification (<i>#083379, Exp: 12/12</i>)	Sep 2005 – Dec 2012
American Board of Internal Medicine Certification (<i>#230579, Exp: 12/14</i>)	Sep 2004 – Dec 2014

* *Certification of subspecialty boards maintained consistent with peers and institutional/departmental policy*

HONORS/AWARDS

IDSA Travel Grant Recipient & Honorary Abstract Citation	Oct 2006
Prodesse Travel Grant Recipient	May 2006
Infectious Diseases Society of America (IDSA) Honorary Abstract Citation & Travel Grant Recipient	Oct 2005
Summa Cum Laude Graduate	May 1996
Excellent Scholarly Achievement Award	May 1996

Phi Eta Sigma Honors Society	Aug 1995- May 1996
Golden Key National Honors Society	Aug 1992- May 1996
University Honors Scholar with Scholarship	Aug 1992- May 1996
Dean's List - State University of New York at Buffalo	Aug 1992- May 1996
Grace W. Capen Memorial Award for Academic Achievement	May 1994

SERVICE

Affiliate medical organizations

Associate Medical Director & Member of the Detroit Medical Center (DMC) Infection Control Committee	Jan 2013 – Present
Medical Director and Member of the Antimicrobial Stewardship and Therapeutics, John D. Dingell Veterans Affairs Medical Center (VAMC)	Oct 2012 – Present
Member of the Detroit Medical Center Critical Care Committee ("Michigan Collaborative") <i>Infection Control representative to assist in the implementation and reduction of hospital acquired infection in the intensive care units, through feed back of data, expertise in infection control, and joint initiatives.</i>	Sept 2009 – Present
Member of the Detroit Medical Center (DMC) Sentinel Infection Committee <i>Committee created to improve collaboration and joint efforts in preventing device infections in the intensive care units (ICU) at DMC. Roles in this committee included direct education to ICU regarding definitions and process in diagnosis, education on prevention, and creating a root cause analysis platform to improve hospital infections.</i>	Sept 2009 – Dec 2014
Medical Director and Member of Detroit Receiving Hospital (DRH) Infection Control Committee	Sept 2008 – Present
Medical Director and Member of Rehabilitation Institute of Michigan Infection (RIM) Control Committee	Sept 2008 – Present
Medical Director and Member of John D. Dingell Veterans Affairs (VA) Medical Center Infection Control Committee	Sept 2008 – Present
Infectious Diseases Physician Representative on Detroit Medical Center (DMC) Antimicrobial and Therapeutics Subcommittee	Sept 2008 – Present
Infection Control Representative on the John D. Dingell VAMC Critical Care Committee	Sept 2008 – Dec 2012
Chair & Member of the Detroit Receiving Hospital Hand Hygiene Committee	Sept 2008 – Dec 2013
Member of the Detroit Receiving Hospital Keystone Initiative for Quality Improvement	Sept 2008 – Dec 2012

Professional

Member and Chair of Society for Healthcare Epidemiology of America (SHEA) Continuing Medical Education (CME) Committee	Mar 2010 – Dec 2013
Member of the Society for Healthcare Epidemiology of America (SHEA) Education Committee	Jan 2011 – Dec 2013

Scholarly Service

Review of Manuscripts

Invited Peer Reviewer of Article for BMC Infectious Diseases	Sep 2015
Invited Peer Reviewer of Article for Open Forum Infectious Diseases (<i>4 articles</i>)	Jun 2014 - Aug 2015
Invited Peer Reviewer of Article for Antimicrobial Agents and Chemotherapy	Jun 2015
Invited Peer Reviewer of Article for Clinical Infectious Diseases	Apr 2014
Invited Peer Reviewer of Article for Cleveland Clinic Journal of Medicine	Jan 2013
Invited Peer Reviewer of article for Infection Control & Hospital Epidemiology	Feb 2012

Other Scholarly Service

Invited Moderator for Ebola Viral Disease Session at Infectious Diseases (ID) Week 2015 <i>Invited by national infectious diseases society (Infectious Diseases Society of America – IDSA) to moderate national session on recent international outbreak.</i>	Oct 2015
Physician Representative on Regional Michigan/Indiana Veterans Affairs (VA) VISN 11 "Do No Harm Committee" <i>Invited membership to serve on regional committee of leaders to guide state wide educational initiatives on infection control in 5 federal hospitals in Michigan and Indiana. Specific initiatives included the reduction of central line infections and foley catheter-associated infections through the development and implementation of education initiatives, recommendations, policies, and feedback.</i>	Jan 2011- Present
Physician representative on the Regional Michigan/Indiana VA VISN 11 Regional Pandemic/Seasonal Influenza Committee <i>Invited to serve on regional committee of leaders that guide state wide initiatives in infection control in 5 federal hospitals in Michigan and Indiana. Roles include being the physician champion to improve immunization among healthcare workers, patients, and coordinate influenza control plans through education, data reporting and analysis and initiatives to improve assess and acceptance of immunizations.</i>	Sept 2009 – Present

TEACHING

Teaching at Wayne State University

Graduate Students

Small Group Tutorial Lectures on Topics in Infection Control June 2013 - Present
Infection control tutorials (approximately 4) developed and given to 2 University of Michigan Masters of Public Health Interns per summer as a part of their core curriculum and summer internship in Infection Control at WSU affiliated Detroit Medical Center Hospitals.

Medical Students

Physical Diagnosis Skills Sessions Jan 2012 - Present
Preceptor for direct observations of individual third year medical students for assessment and feedback on history and physical exam diagnosis on a simulated patient. One on one session with medical students.

Microbiology Case Review Sep 2009 - Sept 2014
Clinical reviews of microbiologic cases to serve as a transition to clinical rotations from basic science didactic sessions. Directly presented cases to fostered discussion with 2nd year medical students in the classroom setting and application to direct patient care in the clinical setting. Varying session content taught yearly.

Clinical Bedside Teaching Sept 2008 - Present
Direct teaching during rounds, with review and evaluation of History and Physical Exam findings, assessments, imaging and/or pathology, with bedside and roundtable topic discussions. This occurs approximately 6-7 months per year with a total of approximately 14 – 20 medical students on the Infectious Diseases and Internal Medicine Services at WSU affiliated hospitals Detroit Medical Center and the John D Dingell Veterans Affairs.

Small Group Tutorial Lectures on Topics in Infectious Diseases and Infection Control Sept 2008 - Present
Monthly (for year 2014) or bimonthly sessions (prior to 2014) with approximately 35 - 40 3rd or 4th year medical students (total) in a small group interactive session on common cases seen in Infectious Diseases or Infection Control basics.

Class Room Review of current literature in Infectious Diseases and Infection Control (Journal Clubs) Sept 2008 - Present
Sessions given approximately 4-5 times per year, to review current literature as well as discussion of study design, limitations, strengths, and clinical relevance. Average of 16 – 20 medical students.

Residents/Fellows

Core Curriculum Lecture in Infection Control

Apr 2015

Lecture developed and given to all WSU medicine interns as part of their core curriculum series in Medicine. Done in a classroom setting with lecture, discussion, and question/answers session.

Didactic Sessions in Infectious Diseases

Jun 2010 - Present

Basic Sessions given to Infectious Diseases Fellows on the core concepts of Infectious Diseases – specifically Community Acquired Pneumonia and Surgical Antibiotic Prophylaxis. Given twice per year to all Infectious Diseases Fellows (8 Fellows per session).

Infection Control Quality Lectures

Jun 2010 - Present

Large Group lecture developed and given to all WSU Medical Residents as an instructional to vital infection control topics such as Hand Hygiene, Device Infection, Immunizations, contact precautions. Given as part of a quality series that all residents received.

Small Group Tutorial Lectures on Topics in Infectious Diseases and Infection Control

Sept 2008 - Present

Monthly (for year 2014) or bimonthly sessions (prior to 2014) with approximately 40 – 60 residents per year in a small group interactive session on common cases seen in Infectious Diseases or Infection Control basics.

Clinical Bedside Teaching

Sept 2008 - Present

Direct teaching during rounds, with review and evaluation of History and Physical Exam findings, assessments, review of imaging and/or pathology, as well as bedside and round table discussions. This occurs approximately 6-7 months per year with a total of approximately 25 – 30 Residents/Fellows on the Infectious Diseases and Internal Medicine Services at WSU affiliated hospitals Detroit Medical Center and the John D Dingell Veterans Affairs.

Faculty

Oct 2014

Educational sessions on Ebola Viral Disease

Large group educational sessions were developed and given to all clinical faculty at WSU affiliate hospital John D Dingell VAMC – total of 900 physicians and nurses present and material made into enduring computer seminar. In addition, small group session developed for hands on training on placing and removing personal protective equipment (gowns, gloves, masks).

Mentorships:

1. Oryan Henig MD Jul 2015 - Present
Infectious Diseases trained physician from Israel currently enrolled in Infection Control Fellowship currently receiving formal and informal education on Infection Control, assisting in several continuing affiliate hospital initiatives, and projects/studies.
2. Bhagyashri Navalkale MD Dec 2014 - Present
Current 2nd year Infectious Diseases Fellow specializing in Infection Control. Currently receiving formal and informal education on Infection Control, assisting in several continuing affiliate hospital initiatives, and projects/studies.
3. Anne Messer MPH May 2015 - Aug 2015
Masters of Public Health Student at University of Michigan who completed a Certificate in Infection Prevention & Control Internship (CHIP) at WSU affiliated DMC Hospitals under my mentorship. Received basic infection control training and completed several quality improvement projects (Outbreak Investigations, and policy development).
4. Jennifer Lerose MPH May 2015 - Aug 2015
Masters of Public Health Student at University of Michigan who completed a Certificate in Infection Prevention & Control Internship (CHIP) at WSU affiliated DMC Hospitals under my mentorship. Received basic infection control training and completed several quality improvement projects (Outbreak Investigations, and policy development).
5. Shigehiko Karino MD Dec 2013 - Jun 2014
Past Infectious Diseases Fellow with focus in infection control from WSU fellowship program. Has received infection control and infectious diseases training/mentorship, with several presentations, and papers (see Reports of Original Work #3; Poster Presentation #1, 2, 4, 5), and is practicing Infectious Diseases (with specialty in Infection Control) in his home county of Japan.
6. Nader Tashtoush MD Dec 2013 - Jun 2014
Past Infectious Diseases Fellow with focus in infection control from WSU fellowship program. Has received infection control and infectious diseases training/mentorship, with several presentations, and papers (see Reports of Original Work #3; Poster Presentation #1, 2, 3, 4). He is currently completing his medicine residency at WSU, with the eventual goal of returning to his home country of Jordan to practice infectious diseases and infection control.

7. Tal Mann MD Jul 2012 – Jun 2014
Intensive Care Physician from Israel who completed Infection Control Fellowship/Training at WSU. She received infection control training and guidance from me, with the completion of several project, presentations (see Reports of Original Work #2,3; Poster Presentation #3-5, 8, 11, 13-14). She has returned to her home country of Israel where she is implementing several of the infection control processes to her hospital and continues with her own research.
8. Jacob Bundy BA, MPH May 2013 –Aug 2013
Masters of Public Health Student at University of Michigan who completed a Certificate in Infection Prevention & Control Internship (CHIP) at WSU affiliated DMC Hospitals under my mentorship. Received basic infection control training and completed several quality improvement projects (reduction of central line infection in the ICU projects, and policy development).
9. Carolyn Dombecki MPH May 2013 –Aug 2013
Masters of Public Health Student at University of Michigan who completed a Certificate in Infection Prevention & Control Internship (CHIP) at WSU affiliated DMC Hospitals under my mentorship. Received basic infection control training and completed several quality improvement projects (reduction of central line infection in the ICU projects, and policy development).
10. Anupama Neelakanta MD, MPH Jun 2012 – Jun 2013
Infectious Diseases physician who completed additional training/fellowship in Infection Control at WSU under my mentorship. She received infection control training and guidance from me, with the completion of several project, presentations, and papers (see Reports of Original Work #2, 3; Book Authorships, Editorials, and Chapters #1; Poster Presentation #2-7). She is currently working as an Infectious Diseases Physician and leads the hospital infection control program at the Carolinas HealthCare System.
11. Carlos Reyes-Sacin MD Jan 2011 – Jun 2013
Graduate of WSU Infectious Diseases Fellow who received infection control and infectious diseases training/mentorship. Currently employed as Infectious Diseases Physician in Montgomery Alabama.
12. Ashish Bhargava MD Jun 2011 – Jun 2013
Graduate of WSU Infectious Diseases Fellow received infection control and infectious diseases training/mentorship. Has received infection control and infectious disease training/mentorship, with several presentations, papers (see Reports of Original Work #4, 7, 11, 13; Case Report #22; Podium Presentation #3; Poster Presentation #7, 10, 12, 17, 22, 31, 32, 41, 43, 52). Currently working as an Infectious Diseases Physician at St Johns Hospital & Medical Center, Gross – Pointe MI.

13. Odaliz Abreu-LanFranco MD Jan 2010 – Jun 2012
Graduate of WSU Infectious Diseases Fellow who received infection control and infectious diseases training/mentorship with several presentations, papers (see Reports of Original Work #5, 7, 12; Poster Presentation #16-18, 20-22, 27, 28, 30-32, 36, 41-43). Completed Transplant Infectious Diseases Fellowship and is clinical staff at Henry Ford Hospital, Detroit MI.
14. Kayoko Hayakawa MD, PhD Jan 2010 – Jun 2012
Graduate of WSU Infectious Diseases Fellowship who subsequently completed Infection Control Fellowship. She received Infectious Diseases and Infection Control training/mentorship with completion of several DMC policies, projects, presentation, and publications (see Reports of Original Work #5, 7, 9-15; Podium Presentation #1; Poster Presentation #16, 20-25, 27, 28, 30-37, 40-43, 45-47). Currently she has returned to her home country of Japan at the National Center for Global Health and Medicine, and continues to specialize in Infectious Diseases and Infection Control.
15. Teena Chopra MD, MPH Jul 2009 – Jun 2011
Graduate of WSU Medical Residency, Infectious Diseases Fellowship, with subsequent Infection Control Fellowship/training. She received direct Infectious Diseases and Infection Control training/mentorship with completion of several DMC policies, projects, presentation, and publications (see Reports of Original Work #1, 4, 7-20; Case Report #22; Book Authorships, Editorials, and Chapters #1; Podium Presentation #1-4; Poster Presentation # 16, 18-22, 29-54). She is currently staff at WSU in Infectious Diseases, Infection Control, and clinical research.
16. Dror Marchaim MD Jul 2009 – Jul 2011
Infectious Diseases trained physician from Israel who completed Infection Control Fellowship at WSU/DMC. During his stay he received direct training/mentorship in Infection Control with several co-authored presentations and publications (see Reports of Original Work #4, 5, 7-20; Podium Presentation #1-4; Poster Presentation # 19-51). He has returned to Israel and continues a prestigious career in Infectious Diseases and Infection Control at the Asaf Harofeh Medical Center.

GRANTS, CONTRACTS, AND OTHER FUNDING

Active National/International Grants and Contracts

1. *Role:* Co-Investigator (Co-I), *PI:* Dr. Keith Kaye

Percent Effort: 10%

Project Number: 332269 Contract Number HHSN272201000039C

Title: Randomized Controlled Trial for the Treatment of Extensively Drug Resistant Gram Negative Bacilli.

Source: NIH-NIAID

Major Goals: This contract with the NIH supports a multi-center clinical trial studying the antimicrobial therapy of extensively drug-resistant gram-negative bacilli.

Dates: 9/1/12 - 4/30/16

Total Direct Costs: \$2,270,042

Previously Funded Grants and Contracts:

1. *Role:* Co - Principal Investigator (Co-PI)

Title: Improving HIV Testing & HCV Testing at Stand-Down Homeless Veterans

Major Goals: To increase HIV/HCV awareness, testing, early detection, and treatment of HIV/HCV among high risk groups of veterans (homeless).

Source: Veterans Health Affairs (VHA's) HIV, Hepatitis, & Public Health Pathogens Program (HHPH), Office of Public Health/Clinical Public Health (OPH/CPH).

Dates: Apr 2014 – Oct 2015

Total Direct Costs: \$8,000

2. *Role:* Co-Principal Investigator (Co-PI)

Title: "Closing the Circle, Improving the HIV Care Continuum in Veterans with Mental Illness".

Major Goals - to ensure that Veterans with mental illness and/or substance Use disorders are given the opportunity for HIV testing, and to facilitate a process by which Mental Health and Infectious Diseases providers work synergistically to provide care to persons with HIV.

Source: Veterans Health Affairs (VHA's) HIV, Hepatitis, & Public Health Pathogens Program (HHPH), Office of Public Health/Clinical Public Health (OPH/CPH).

Dates: Feb 2014 – Oct 2015

Total Direct Costs: \$50,000

3. *Role:* Co-Investigator (Co -I), *PI:* Leena Hadid, PhD
Title: Use of Bioluminescence Technology to Educate Staff & Veterans about hand/respiratory hygiene
Major Goals: To increase the education and involvement of psychiatric patients and staff in the importance of hand hygiene.
Source: VHA Office of Public Health/Clinical Public Health
Dates: Mar 2014 – Sep 2014
Total Direct Costs: \$1,100

4. *Role:* Principal Investigator (PI)
Percent Effort: 10%
Title: Risk Factor and Outcomes in Patients infected with Carbapenem-Resistant *Enterobacteriaceae* (CRE).
Major Goals: To better understand the local epidemiology (clinical and molecular) of infections caused by such resistant organisms.
Source: Harper University Hospital Trust Fund.
Dates: 12/2008 – 12/2013
Total Direct Costs: \$25,000

CLINICAL TRIALS ACTIVITIES

1. *Role:* Co- Investigator (Co-I), *PI:* Dr. Keith Kaye
Percent Effort: 5%
Title: 506: Phase 3, Multi-Center, Randomized, Open-Label Study of Carbavance (Meropenem/RPX7009)
Major Goals: Open Label Study of Carbavance (Meropenem/RPX7009) versus best available therapy in subjects with selected serious infections due to Carbapenem-Resistant Enterobacteriaceae (CRE).
Source/Sponsor: Rempex/The Medicines Company.
Dates: Dec 2014 – Present
Total Direct Costs: \$90,179

2. *Role:* Co-Investigator(Co-I) , *PI:* Dr. Keith Kaye
Percent Effort: 5%
Title: Rempex 505: Multi-Center Study of Carbavance (Meropenem/RPX7009)
Major Goals: Phase 3, multi-center, randomized, double-blind, double-dummy study to evaluate the efficacy, safety, and tolerability of Carbavance (Meropenem/RPX7009) compared to Piperacillin/Tazobactam in the treatment of complicated urinary tract infections, including acute pyelonephritis, in adults.
Source/Sponsor: Rempex/The Medicines Company
Dates: Dec 2014-Sep 2015
Total Direct Costs: \$68,523

3. *Role:* Principal Investigator (PI)

Title: Compliance with Healthcare Practices

Major Goals: Multicenter study evaluating compliance with contact precaution recommendations with burden/prevalence of patients in contact isolation.

Source/Sponsor: n/a

Dates: Jan 2008 – Jan 2013

Total Direct Costs: n/a

PUBLICATIONS

Peer-Reviewed Publications

* Mentees and Trainees

Reports of Original Work

1. Kullar R, Vassallo, Turkel S, Chopra T*, Kaye KS, **Dhar S**. Degowning the Controversies of Contact Precautions for Methicillin-Resistant Staphylococcus Aureus. Am J Infect Control. 2015 Sep 12. (*Impact factor: 2.20, Citations:0 – Journal Citation Reports & Scopus Accessed 1/2016*)
Senior - author responsible for the scientific content of the work, editing, and proofing of the paper
2. Mann T*, Ellsworth J, Huda N, Neelakanta A*, Chevalier T, Sims KL, **Dhar S**, Robinson ME, Kaye KS. Building and Validating a Computerized Algorithm for Surveillance of Ventilator-Associated Events. Infect Control Hosp Epidemiol. 2015 Sep; 36(9): 999 - 1003. (*Impact Factor 4.175, Citations:0 - Journal Citation Reports & Scopus Accessed 1/2016*)
Co- author responsible for the scientific content of the work, editing, and proofing of the paper
3. Neelakanta A*, Sharma S, Kesani VP, Salim M, Pervaiz A, Aftab N, Mann T*, Tashtoush N*, Karino S*, **Dhar S**, Kaye KS. Impact of Changes in the NHSN Catheter-Associated Urinary Tract Infection (CAUTI) Surveillance criteria on the Frequency and Epidemiology of CAUTI in Intensive Care Units (ICUs). Infect Control Hosp Epidemiol. 2015 Mar;36(3):346-9 (*Impact factor: 4.175, Citations 1 – Journal Citation Reports & Scopus Accessed 1/2016*)
Co- author responsible for the scientific content of the work, editing, and proofing of the paper
4. **Dhar S**, Marchaim D*, Tansek R, Chopra T*, Yousuf A, Bhargava A*, Martin E, Talbot TR, Johnson LE, Hingwe A*, Zuckerman JM, Bartholomew BR, Shuman EK, Poblete J, Tran M, Kulhanek G, Thyagarajan R, Nagappan V, Herzke C, Perl TM, Kaye KS. Contact Precautions: More is Not Necessarily Better. Infect Control Hosp Epidemiology. 2014 Mar;35(3):213-21 (*Impact factor: 4.175, Citations 13 – Journal Citation Reports & Scopus Accessed 1/2016*)
First author responsible for the scientific content of the work, coordinating between multiple sites, writing, editing, and proofing of the paper

5. Pogue JM, Marchaim D*, Abreu-Lanfranco O*, Sunkara B, Mynatt RP, Zhao JJ, Bheemreddy S*, Hayakawa K*, Martin ET, **Dhar S**, Kaye KS, Lephart PR. Fosfomycin activity versus carbapenem-resistant Enterobacteriaceae and vancomycin-resistant Enterococcus, Detroit, 2008-10. J Antibiot (Tokyo). 2013 Oct;66(10):625-7. doi: 10.1038/ja.2013.56. Epub 2013 May 29 (*Impact factor: 1.73, Citations 3 – Journal Citation Reports & Scopus Accessed 1/2016*)
Co- author responsible for the scientific content of the work, editing, and proofing of the paper

6. Mossad SB, Avery RK, Mossad DM, Mawhorter SD, Taege AJ, Tomford JW, Johnson LT, Lard M, Fraser TG, **Dhar S**, Duin DV, Shrestha RK, Rehm SJ, Gordon SM, MD. Characteristics of Transplant Recipients who Developed Influenza in 2007- 08 Despite Influenza Vaccination. Journal of Vaccines and Vaccination. 2013 Apr: 4 (3). 29 (*Impact factor: 0.229, Citations:0 – Scopus Accessed 1/2016*)
Co- author responsible for the scientific content of the work, editing, and proofing of the paper

7. Ku K, Pogue JM, Moshos J, Bheemreddy S*, Wang Y, Bhargava A*, Campbell M, Khandker N, Lephart PR, Chopra T*, Hayakawa K*, Martin ET, Abreu-Lanfranco O*, **Dhar S**, Kaye KS, Marchaim D. Retrospective evaluation of colistin versus tigecycline for the treatment of Acinetobacter baumannii and/or carbapenem-resistant Enterobacteriaceae infections. Am J Infect Control. 2012 Dec;40(10):983-7 (*Impact factor: 2.20, Citations:24 – Journal Citation Reports & Scopus Accessed 1/2016*)
Co- author responsible for the scientific content of the work, editing, and proofing of the paper

8. Chopra T*, Marchaim D*, Lynch Y, Kosmidis C*, Zhao JJ, **Dhar S**, Gheyara N, Turner D, Gulish D, Wood M, Alangaden G, Kaye KS. Epidemiology and outcomes associated with surgical site infection following bariatric surgery. Am J Infect Control. 2012 Feb 10. (*Impact factor: 2.20, Citations:5 – Journal Citation Reports & Scopus Accessed 1/2016*)
Co- author responsible for the scientific content of the work, editing, and proofing of the paper

9. Marchaim D*, Perez F, Lee J, Bheemreddy S*, Hujer AM, Rudin S, Hayakawa K*, Lephart PR, Blunden C, Shango M, Campbell ML, Varkey J, Manickam P*, Patel D, Pogue JM, Chopra T*, Martin ET, **Dhar S**, Bonomo RA, Kaye KS. "Swimming in resistance": Co-colonization with carbapenem-resistant Enterobacteriaceae and Acinetobacter baumannii or Pseudomonas aeruginosa. Am J Infect Control. 2012 Feb 10. (*Impact factor: 2.20, Citations: 15 – Journal Citation Reports & Scopus Accessed 1/2016*)
Co- author responsible for the scientific content of the work, editing, and proofing of the paper

10. Marchaim D*, Chopra T*, Bogan C, Bheemreddy S*, Sengstock D, Jagarlamudi R, Malani A, Lemanek L, Moshos J, Lephart PR, Ku K, Hasan A, Lee J, Khandker N, Blunden C, Geffert SF, Moody M, Hiro R, Wang Y, Ahmad F, Mohammadi T, Faruque O, Patel D, Pogue JM, Hayakawa K*, **Dhar S**, Kaye KS. The burden of multidrug-resistant organisms on tertiary hospitals posed by patients with recent stays in long-term acute care facilities. Am J Infect Control. 2012 Jan 26. (*Impact factor: 2.20, Citations: 14 – Journal Citation Reports & Scopus Accessed 1/2016*)
Co- author responsible for the scientific content of the work, editing, and proofing of the paper

11. Marchaim D*, Chopra T*, Bhargava A*, Bogan C, Dhar S, Hayakawa K*, Pogue JM, Bheemreddy S*, Blunden C, Shango M, Swan J, Lephart PR, Perez F, Bonomo RA, Kaye KS. Recent exposure to antimicrobials and carbapenem-resistant Enterobacteriaceae: the role of antimicrobial stewardship. *Infect Control Hosp Epidemiol*. 2012 Aug;33(8):817-30. (*Impact factor: 4.175, Citations: 32 – Journal Citation Reports & Scopus Accessed 1/2016*)
Co- author responsible for the scientific content of the work, editing, and proofing of the paper

12. Marchaim D*, Taylor AR, Hayakawa K*, Bheemreddy S*, Sunkara B, Moshos J, Chopra T*, Abreu-Lanfranco O*, Martin ET, Pogue JM, Lephart PR, Panda S, **Dhar S**, Kaye KS. Hospital bath basins are frequently contaminated with multidrug-resistant human pathogens. *Am J Infect Control*. 2011 Dec 15. (*Impact factor: 2.20, Citations: 7 – Journal Citation Reports & Scopus Accessed 1/2016*)
Co- author responsible for the scientific content of the work, editing, and proofing of the paper

13. Marchaim D*, Sunkara B*, Lephart PR, Gudur UM, Bhargava A*, Mynatt RP, Zhao JJ, Bheemreddy S, Hayakawa K*, Chopra T*, **Dhar S**, Kaye KS. Extended-spectrum B-lactamase producers reported as susceptible to piperacillin-tazobactam, cefipime, and cefuroxime in the era of lowered breakpoints and no confirmatory tests. *Infect Control Hosp Epidemiol*. 2012 Aug;33(8):853-5. (*Impact factor: 4.175, Citations: 8 – Journal Citation Reports & Scopus Accessed 1/2016*)
Co- author responsible for the scientific content of the work, editing, and proofing of the paper

14. Marchaim D*, Chopra T*, Perez F, Hayakawa K*, Lephart PR, Bheemreddy S*, Blunden C, Hujer AM, Rudin S, Shango M, Campbell M, Varkey J, Slim J, Ahmad F, Patel D, Chen TY, Pogue JM, Salimnia H, **Dhar S**, Bonomo RA, Kaye KS. Outcomes and genetic relatedness of carbapenem-resistant enterobacteriaceae at Detroit medical center. *Infect Control Hosp Epidemiol*. 2011 Sep;32(9):861-71. (*Impact factor: 4.175, Citations: 33 – Journal Citation Reports & Scopus Accessed 1/2016*)
Co- author responsible for the scientific content of the work, editing, and proofing of the paper

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Book Authorships, Editorships, and Chapters

1. Neelakanta A*, Sharma S*, Chopra T*, Kaye K, **Dhar S**. Healthcare-Associated Infections Module. Multi Drug Resistant Organisms Module. Accepted for ePub 2014. Shea Online Book Chapter. <http://www.fellowscourse.shea-online.org/Default.aspx>
Enduring computerized module/chapter developed for the Society for Healthcare Epidemiology of America (SHEA) per request of their education committee and board to improve knowledge and delivery of key infection control concepts and content through interactive, hands on format with the target audience being infectious diseases fellows or physicians as a part of their training with the goals of specializing in infection control. Development of materials included coordinating with the society and animation company and guiding the project from concept design to creation of the enduring animated computerized module. Senior author responsible for the scientific content of the work, writing, editing, and proofing of the chapter.

PRESENTATIONS

Podium Presentations (refereed)

1. Marchaim D*, Panda S, Taylor AR, Chopra T*, Hayakawa K*, Patel D, Pogue JM, Lephart PR, **Dhar S**, Kaye KS. Hospital Bath Basins are Frequently Contaminated with Multi-Drug Resistant Organisms (MDRO), which are Common ICU Pathogens. Society of Critical Care Medicine (SCCM); SCCM's 40th Critical Care Congress; San-Diego, CA, USA; January 2011.
2. Chopra T*, Marchaim D*, Kosmidis C*, Zhao JJ, Alangaden G, **Dhar S**, Turner D, Gulish D, Wood M, Kaye KS. Prediction Model and Scoring System for Risk Adjustment for Surgical Site Infection (SSI) Following Bariatric Surgery. Infectious Diseases Society of America (IDSA) 48th annual meeting; Vancouver, Canada; October, 2010

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6. Magauran C, Yen-Lieverman B, **Dhar S**, Schindler S, Starkey C, Procop G, Gordon S. Lessons Learned: Moving To a Molecular Platform for Respiratory Viral Testing at the Cleveland Clinic During the 2005-2006 Influenza Season. 22nd Annual Clinical Virology Symposium, Clearwater, FL. May 2006
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Poster Presentations (refereed)

1. Tashtoush N*, Pogue J, Nishan B, Salem D, Shaikh H, Salim M, Pervaiz A, Kotecha A, Karino S*, **Dhar S**, Kaye K. Differentiating Patients with Multi-Drug Resistant (MDR) Gram-Negative Infections Present at the Time of Hospital Admission (POA) from Those with Susceptible (S) and Extremely-Drug Resistant (XDR) Pathogens. Poster Presentation at ID Weeks, San Diego, CA, USA October 2015.
2. Neelakanta A*, Karino S*, Tashtoush N*, Martin E*, Kesani V, Jackson J, Awasthy P, Chevalier T, Dziekan B, Haider S*, Bonomo R, Mynatt R, Pogue J, Robinson M, Flanagan E, Kaye K, **Dhar S**. Outbreak of Colistin-Resistant *Acinetobacter Baumannii* in Intensive Care Units in Detroit, Michigan. Poster Presentation at ID Week, Philadelphia, PA, USA October 2014.
3. Mann T*, Palleschi M, Testani S, Nemens J, Harvill M, Flanagan E, Chevalier T, Robinson R, Moshos J, **Dhar S**, Neelakanta A*, Tashtoush N*, Robinson M, Huda N, Kaye K. Improving Appropriateness of Peripherally Inserted Central Catheter Utilization and Decreasing the Incidence of Central Line-Associated Blood Stream Infections. Poster Presentation at ID Week, Philadelphia, PA, USA October 2014.

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49. Chopra T*, Shyamraj R, Long P, Bach D, Carlton C, Peters S, Lephart P, Alangaden G, **Dhar S**, Marchaim D*, Schreiber M, Kaye KS. A Novel Method for Surveillance of Novel H1N1 Influenza Using Automated Hospital Laboratory and Pharmacy Data. The Society for Healthcare Epidemiology of America (SHEA) and the Centers for Disease Control and Prevention (CDC); Fifth Decennial International Conference on Healthcare Associated Infections; Atlanta, GA, USA; March 2010.
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51. Chopra T*, Hothi J*, Marchaim D*, Slim J, Chaudhry K, Khandker N, Tansek R*, **Dhar S**, Zhao J, Pogue JM, Kaye KS. Predictors of Resistance to Carbapenems and Ampicillin/Sulbactam, *Acinetobacter baumannii* (MDR-AB) blood stream infections (BSI) in a Tertiary Care Center. The Society for Healthcare Epidemiology of America (SHEA) and the Centers for Disease Control and Prevention (CDC); Fifth Decennial International Conference on Healthcare Associated Infections; Atlanta, GA, USA; March 2010.
52. Reddy TN, Chopra T*, Pogue J, Alangaden G, Salimnia H, **Dhar S**, Kaye KS. Trends in antimicrobial resistance in *Acinetobacter baumannii* in a Detroit Area Health System. 49th Annual Interscience Conference on Antimicrobial Agents and Chemotherapy, San Francisco, CA September, 2009

53. **Dhar S**, Toftey B, Dziekan B, Chevalier T, Bohlinger C, Fitch M, Flanagan E, Chopra T*, Kaye KS. Observer Effect on Hand Hygiene (HH) Compliance Reporting 47th Annual Meeting of the Infectious Diseases Society of America, Philadelphia, PA October 2009
54. Chopra T*, Kosmidis C*, **Dhar S**, Gulish D, Turner K, Preney K, Wood M, Alangaden, G, Kaye, KS. Epidemiology and outcomes associated with surgical site infection following bariatric surgery. 49th Annual Interscience Conference on Antimicrobial Agents and Chemotherapy, San Francisco, CA September, 2009.
55. Kaye KS, Reid D, Moshos J, **Dhar S**, Hafeez W. Epidemiology of Carbapenem Resistant *Acinetobacter baumannii* at a community hospital: importance of long-term care facilities as a reservoir and challenges in controlling nosocomial spread. 19th Annual Society for Healthcare Epidemiology in America meeting, San Diego, CA, March, 2009.
56. Mossad SB, Avery RK, Mossad DM, Mawhorter SD, Taege AJ, Tomford JW, Johnson LT, Lard M, Fraser TG, **Dhar S**, Duin DV, Shrestha RK, Rehm SJ, Gordon SM, MD. Characteristics of Transplant Recipients who Developed Influenza in 2007- 08 Despite Influenza Vaccination. Abstract accepted to 15th International Symposium on Infections in the Immunocompromised Host (Immunocompromised Host Society). Apr 2008
57. **Dhar S**, Kohn DJ, Yen-Lieberman B, Isada CM, Procop GW. The Comparison of Single PCR vs. Multiplex PCR Assay for the Detection of Influenza A/B and Respiratory Syncytial Virus. Infectious Diseases Society of America 44th Annual Meeting, Toronto, Canada, Oct 2006
58. **Dhar S**, Kohn DJ, Starkey C, Schindler SA, Yen-Lieberman B, Isada CM, Procop GW. Evaluation of the ProFlu-1TM Real Time PCR Assay in the Detection of Influenza A, Influenza B, Respiratory Syncytial Virus in a Clinical Laboratory. American Society Microbiology 106th General Meeting, Orlando, FL. May 2006.
59. **Dhar S**, Starkey C, Williams G, Procop GW, Isada CM, Yen-Lieberman B. Detection of human metapneumovirus infections utilizing the Pro hMPV Real Time PCR Assay from Respiratory Samples. Abstract presentation at the 22nd Annual Clinical Virology Symposium, Clearwater, FL. May 2006
60. **Dhar S**, Kohn DJ, Schindler S, Yen-Lieberman B, Isada CM, Procop GW. The Evaluation of Two PCR Assays for the Detection of Influenza A and Influenza B Infectious Diseases Society of America 43rd Annual Meeting, San Francisco, Ca. Oct 2005.
61. **Dhar S**, Kohn DJ, Schindler S, Yen-Lieberman B, Isada CM, Procop GW. Comparison of Molecular Beacon and Sybr Green Real-Time PCR in the Detection of Influenza A using the Rotor-Gene. American Society Microbiology 105th General Meeting, Atlanta, GA. June 2005.
62. **Dhar S**, John DJ, Schindler S, Yen-Lieberman B, Isada CM, Procop GW. Real-time PCR with SYBR Green Detection and Melt Curve Analysis Alone is Insufficient for the Detection of RSV in a Clinical Laboratory. 21st Annual Clinical Virology Symposium, Clearwater, FL. May 2005.

Invited Lectures/Presentation

International/National:

1. Meet-the -Professors Session: "The ID Physician Who is New to Infection Prevention." Lecture at National Meeting "ID Week", Philadelphia, PA USA October 2014
Presentation given at the Infectious Diseases Society of America (IDSA) yearly meeting as subject matter expert in Infection Control to educate and prepare infectious diseases physicians and fellows in a career in infection prevention & hospital epidemiology. Lecture focused on the history of infection control, role and structure of a program, and national reporting requirements.

Local/Regional:

1. Wayne State University 3rd Annual Update in Infectious Diseases Conference. "Antimicrobial Stewardship," Detroit, MI Sep 2015
Lecture to community providers on the basics and update on antimicrobial stewardship.
2. Detroit Medical Center (DMC) Lecture. "Commonly Encountered Infectious Diseases," Detroit, MI Sep 2015
Presentation to DMC physicians assistants and nurse practitioners to educate and improve clinical care of patients with infectious diseases.
3. Detroit Medical Center Lecture during DMC Sepsis Week. "Cultures and Source Control During Sepsis," Detroit, MI Sep 2015
Presentation to DMC nursing service to educate on appropriate infectious diseases and infection control practices in patients with sepsis.
4. Detroit Medical Center/Tenet Healthcare System Lecture during DMC Nurses Week Conference. "Our Journey Preparing for the Ebola Patient." Detroit, MI May 2015
Presentation to 300 Detroit Medical Center (DMC) nursing service to recap educational and training initiatives conducted at all DMC hospitals throughout the year, update current developments in Ebola disease, and future direction for the hospital and staff.
5. Detroit Medical Center Orthopedics Lecture. "Preventing Prosthetic Joint Infections." Detroit MI Oct 2012
Presentation to all Detroit Medical Center (DMC) orthopedic physicians as an educational seminar to educate and update on the current literature regarding the prevention of prosthetic joint infections and hospital processes/initiatives placed to achieve reduction goals.

Invited Seminars and Grand Rounds:

1. Wayne State University Grand Rounds Seminar: "Contact Precautions - To Isolate or not To Isolate." Wayne State University, April 2014.
Presentation to Internal Medicine faculty and trainees focusing on the risk & benefits of contact precautions and the controversies that surround this common practice.
2. Veteran Affairs Grand Rounds Series: "Infection Prevention & Hospital Epidemiology." John D. Dingell VAMC, October 2010
Presentation to all medical staff and trainees on infection control initiatives, outcomes, and research at the John D. Dingell Veterans Affairs Medical Center.