

Sridhar V. Basavaraju, MD, FACEP (CDR-USPHS)

CURRENT POSITION

Director
 Office of Blood, Organ, and Other Tissue Safety
 Division of Healthcare Quality Promotion
 National Center for Emerging and Zoonotic Infectious Diseases
 Centers for Disease Control and Prevention (CDC)
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 Atlanta, GA 30329
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EDUCATION

8/98-5/03 MD George Washington University, School of Medicine, Washington, DC
 8/94-12/97 BS/BA George Washington University, Washington, DC

POSTGRADUATE TRAINING

7/07-6/09 Epidemic Intelligence Service, CDC, Atlanta, GA
 7/04-6/07 Residency, Department of Emergency Medicine, Mount Sinai School of Medicine,
 New York, NY
 7/03-6/04 Internship, Department of Internal Medicine, Tufts-New England Medical Center,
 Boston, MA

U.S. Public Health Service (PHS) PROFESSIONAL EXPERIENCE

11/12-present Medical Officer/Deputy Director/Director, Medical Epidemiologist

Office of Blood, Organ, and Other Tissue Safety (BOOTS)
 Division of Healthcare Quality Promotion
 National Center for Emerging and Zoonotic Infectious Diseases, CDC, Atlanta, GA

- Director (/05/17-present)
- Deputy Director, Office of Blood, Organ, and Other Tissue Safety (10/14-05/17)
- Medical Officer and Acting Director, Office of Blood, Organ, and Other Tissue Safety (11/13-10/14)
 - Outbreak investigations and donor-derived disease transmission investigations
 - Surveillance for acute transfusion reactions reported to the National Healthcare Safety Network Hemovigilance Module
 - Conducting a national survey to estimate blood collection and utilization in the United States
 - Mathematical modeling and other data analysis to describe the risk of transfusion and/or transplant transmitted infections
 - Serve as CDC liaison to multiple HHS/PHS committees on matters related to transfusion and tissue/organ transplantation including Advisory Committee on Blood and Tissue Safety and Availability, Advisory Committee on Transplantation, HHS Blood, Organ, and Tissue Safety work group, and Blood Products Advisory Committee
- Oversee the operations, provide technical guidance, participate in data analysis, and supervise the National Blood Collection and Utilization Survey (conducted by my office at CDC since 2013)
 - Biennial national survey (ongoing since 1990s) funded through CDC & Office of Assistant Secretary for Health and Human Services inter-agency agreement

- Disseminated to all blood collection centers in the US and statistical sample of hospitals performing >100 surgical procedures in the US.
- Intended to provide a statistically reliable estimate of total blood collections and blood usage in the US.
- Oversee the operations, provide technical guidance, participate in data analysis, and supervise the National Healthcare Safety Network (NHSN) Hemovigilance Module
 - Core activities include: analysis to describe the rates and prevalence of acute transfusion reactions reported to NHSN; describe incidents resulting in adverse reactions reported to the NHSN Hemovigilance Module.
- Leading PHS agency effort (CDC, HRSA, OASH) to revise the recommendations for the 2013 PHS guideline to reduce the risk of unintended HIV, HBV, HCV transmission via organ transplantation
 - Coordination and lead of multiple scientific projects to inform guideline revision
 - Analysis of OPTN/UNOS data on impact of increased risk donor (IRD) designation on organ utilization, discard, match efficiency
 - Analysis of epidemiology of organ donation and proportion of IRD nationally
 - Mathematical model to estimate risk of undetected disease in NAT-screened donors
 - Development of revised recommendations
- Participated in the CDC response to the COVID-19 pandemic
 - Lead of the Blood Safety component within the Infection Prevention Control team/HSWS
 - Led study to identify introduction of SARS-CoV-2 into the United States using retrospective serological testing of US blood donations
 - Studied impact of COVID-19 on blood utilization in 2020
 - Developed guidance for prevention of COVID-19 transmission in blood donation settings
 - Led investigations of potential transplant-transmitted SARS-CoV-2 infection
 - Led a multi-agency collaborative study to identify factors associated with high neutralizing antibody titer COVID-19 convalescent plasma donations.
- Participated in the CDC response to the 2016 Zika Virus epidemic
 - Co-lead of Emergency Operations Center (EOC) blood safety team
 - Conducted a rapid assessment to determine blood collection and utilization in Puerto Rico (including deployment to Puerto Rico) to ascertain risk of transfusion-transmitted Zika and to provide quantitative data to inform H.H.S. efforts to prevent transfusion transmission.
- Participated in the CDC response to the West Africa Ebola epidemic (2014-2015)
 - Activated as part of the Emergency Operations Center Medical Care Task Force/Clinical team
 - Authored the CDC guidelines for Emergency Department evaluation and management of patients with suspected Ebola Virus Disease with significant coordination and collaboration with the American College of Emergency Physicians.

12/10-11/12 Medical Officer, Epidemiologist

Biomedical Prevention Team (Medical transmission)

HIV Prevention Branch

Division of Global HIV/AIDS

Center for Global Health, CDC, Atlanta, GA

- Principal investigator for a protocol entitled, “Validation of HIV incidence assays to determine HIV incidence rates among blood donors in Namibia and the use of these incidence assays to estimate residual risk of transfusion-transmitted HIV infection.”

- Principal investigator for a protocol estimating the proportion of total blood collections by the Tanzania National Blood Transfusion Service discarded due to false-positive hepatitis B and/or C screening
- Principal investigator for a study evaluating the national acute transfusion reaction reporting system in Namibia using CDC guidelines for public health surveillance system evaluation
- Co-investigator for a study to evaluate barriers to reporting bloodborne pathogen exposure and seeking HIV and hepatitis B post-exposure prophylaxis (PEP) among healthcare workers in three countries in sub-Saharan Africa (Botswana, Tanzania and Zambia) and design and evaluate an intervention to improve reporting and receiving PEP.
- Co-investigator for a study comparing the HIV-1 RNA detection thresholds with plasma and dried blood spots using the Roche COBAS Ampliscreen test.
- CDC DGHA blood transfusion safety technical assistance, data analysis, monitoring and evaluation activities
 - Provide technical assistance to U.S. President's Emergency Plan for AIDS Relief (PEPFAR) partner countries to strengthen national blood transfusion services, improve transfusion safety, and prevent transfusion-transmitted infection.
 - Serve as the lead for analysis, monitoring and evaluation of blood transfusion safety data reported by PEPFAR partner countries to CDC.

7/09-12/10 Medical Officer, Epidemiologist

Research Team

Division of Injury Response (DIR)

National Center for Injury Prevention and Control (NCIPC), CDC, Atlanta, GA

- Injury lead of NCIPC/DIR portion of CDC response to Haiti earthquake (January, 2010 - present)
 - Stationed in CDC Emergency Operations Center (EOC), Technical Specialty Unit (1/2010).
 - Assisted in developing CDC response and provided advice to the Director regarding injury projections, clinical management, and public health response to complex injuries resulting from the earthquake
 - Lead the NCIPC/DIR project to characterize injuries resulting from the 2010 Haiti earthquake
 - Commissioned corps deployment via CDC EOC to Port-au-Prince, Haiti
 - Primary supervisor for EPI-AID investigation (2010-071) characterizing injuries seen in the largest field hospital, Project Medishare – operated by University of Miami, in the acute and long-term phase following the 2010 Haiti earthquake
 - Designed an injury sentinel site surveillance proposal for Port-au-Prince, Haiti
 - Provided technical and subject matter expertise for CDC team planning deployment to the USS Comfort for analysis of injury patterns among patients receiving care for earthquake-related trauma.
- CDC NCIPC subject matter expert on emergency medical services (EMS), terrorist bomb blasts and other mass casualty events
- CDC NCIPC subject matter expert on traumatic brain injury.
- Co-investigator for EPI-AID investigation to evaluate medical systems response and describe injury patterns following the Washington DC metro rail crash of June, 2009

7/07-6/09 Epidemic Intelligence Service Officer

Global AIDS Program (GAP)

Medical Transmission Team

HIV Prevention Branch
National Center for HIV/AIDS, viral Hepatitis, STD and TB Prevention, CDC,
Atlanta, GA

- Primary investigator on a project describing the national blood transfusion reaction reporting surveillance system in Kenya
 - Conducted a national assessment of transfusion practices with specific emphasis on recognition and reporting of blood transfusion reactions
 - Evaluated the feasibility of implementing transfusion committees on a hospital level and a hemovigilance network nationally
- Primary investigator for a CDC/NBTS multi-center, prospective, cross-sectional national study titled, "Quality assurance evaluation of fourth generation testing of donor blood by Kenya NBTS and analysis of residual risk of window period transmission of HIV infection"
- Co-investigator for a CDC GAP blood safety project collecting data related to the 14 PEPFAR focus countries
- Analyze and prepare scientific data for publication
 - Participated in data analysis from a national HIV prevalence survey in Kenya (Kenya AIDS Indicator Survey – conducted August-December, 2007)
 - Focused on the quantification of media exposure among Kenyan blood donors in order to devise targeted radio, television and print media campaigns to encourage the retention of voluntary, non-remunerated blood donors
- CDC PEPFAR blood safety program management technical reviews and future planning
 - Participated in and prepared technical reviews of the annual PEPFAR country grantee Country Operational Plans
 - Prepared technical reviews of the annual cooperative agreement between CDC and PEPFAR country blood transfusion program grantees and technical assistance partners
 - Co-wrote the PEPFAR Blood Safety State of the Program Area review outlining the vision for the next five years of the PEPFAR blood safety program

NON-PHS WORK EXPERIENCE

7/08-present **Assistant professor, Department of Emergency Medicine, Emory University School of Medicine, Atlanta, GA**

12/05-5/07 **Physician, Libertas Center for Human Rights, Elmhurst Hospital, Elmhurst, NY:**

8/05-10/5 **Guest Researcher, Division of Parasitic Diseases, CDC:**

7/01-6/02 **Medical Student Research Associate, Department of Microbiology and Tropical Medicine, George Washington University School of Medicine, Washington DC:**

2/98-8/98 **Predoctoral Intramural Research Award Fellow, National Institutes of Health, National Heart, Lung, and Blood Institute, Bethesda, MD**

6/97-8/97 **Summer Student Research Intern, U.S. Environmental Protection Agency, Research Triangle Park, NC**

LICENSES AND CERTIFICATIONS

12/08-present Board certified: American Board of Emergency Medicine

11/07-present Drug Enforcement Agency License FB0574120

10/07-present Georgia State Medical License MD#060041

9/07-present NPI National Provider ID Number 09302007832177

PHS HONORS/AWARDS

2020	Outstanding Service Medal
2013	Hazardous Duty Award
2013	Commendation Medal
2013	Global Health Campaign Medal
2012	Regular Corps Ribbon
2011	Outstanding Unit Citation (Haiti earthquake)
2011	Field Medical Readiness Badge
2010	Achievement Medal
2010	Global Response Service Award (Haiti earthquake)
2010	Crisis Response Service Award (Haiti earthquake)
2010	Outstanding Unit Citation (H1N1 response)
2009	Foreign Duty Award
2007	Commissioned Corps Training Ribbon

NON-PHS HONORS/AWARDS

2014	Charles C. Shepard Science Award – Nominated paper
2014	Alexander Langmuir award for best EIS scientific manuscript (co-author)
2014	NCEZID Nakano Citation
2013	NCEZID Director's Recognition Award: Rabies Associated with Organ Transplantation Team
2012	Fellow: American College of Emergency Physicians
2007	Academic Achievement Award: Presented to one Mount Sinai Emergency Medicine graduating resident annually
2002	Doris Deford Speck Award

CDC AND/OR PHS RESPONSES/DEPLOYMENTS

2014	Ebola- CDC Emergency operations center activation
2010	Haiti Earthquake- CDC Emergency operations center/USPHS deployment
2009	H1N1 – CDC Emergency operations center activation

PROFESSIONAL ASSOCIATIONS

Asian Pacific American Officers Committee (APAOC) general member (8/09-present)
 APAOC Mentoring program, mentor, 11/09-03/11
 Atlanta Commissioned Officers Association (ACOA) member (8/09-present)
 ACOA, representative to EIS interviews, 10/09; ACOA professional development sub-committee (1/12-present)
 Commissioned Officers Association member (8/09-present)
 American College of Emergency Physicians (ACEP) member (7/07-present)
 ACEP, International Emergency Medicine section member (5/10-13)
 Georgia College of Emergency Physicians member (7/07-present)

Committees/Panels

- HHS Workshop to discuss considerations related to use of HCV+ organs in HCV uninfected recipients- Moderator (August 2019)
- HHS Blood, Organ, and Tissue Senior Advisory Council Work Group on Blood Sustainability – CDC Representative (February 2017-present)

- HHS Advisory Committee on Blood and Tissue Safety and Availability – CDC Representative (December 2013, November 2014, November 2016-present)
- Public Health Service Blood, Organ, and Tissue Safety, Emerging Infectious Diseases subcommittee co-chair (December 2013-present)
- HHS/Public Health Service Blood, Organ, and Tissue Safety work group – CDC representative (October 2013-present).
- HHS/Public Health Service MSM blood donor deferral policy work group – CDC Representative (October 2013-present)
- FDA Blood Products Advisory Committee - CDC Representative (June 2013- 10/2019)
- Co-lead – Site visit review of research-regulator scientists in Laboratory of Emerging Pathogens, FDA (December 2016).
- HHS Advisory Committee on Organ Transplantation – CDC representative (January 2015)
- CDC Division of Global HIV/AIDS Commissioned Corps Awards committee (August-November 2012)
- CDC Commissioned Corps Hurricane Response Desk EOC Cadre (July 2011-June 2012)
- CDC Global AIDS Program representative on the WHO Expert’s Consultation on Estimation of Blood Requirements. Geneva, Switzerland. 2/03/10-2/05/10.
- NCIPC DIR representative on the H1N1 Plans and Decisions Unit Workgroup tasked to provide recommendations on whether CDC should endorse a triage screening tool for H1N1 and emergency departments. Atlanta, GA. 9/09/09-9/10/09.

PUBLICATIONS

- 1) I Kracalik, S Mowla, SV Basavaraju, MRP Sapiano. Transfusion-related adverse reactions: Data from the National Healthcare Safety Network Hemovigilance Module — United States, 2013–2018. *Transfusion* (accepted 25 January 2021).
- 2) LR Penumarthi, RM La Hoz, CR Wolfe, BR Jackson, A Mehta, M Malinis, L Danziger-Isakov, L Strasfeld, DF Florescu, G Vece, SV Basavaraju, MG Michaels. Cryptococcus transmission through solid organ transplantation in the United States: A Report from the Ad Hoc Disease Transmission Advisory Committee. *Am J Transplant* 2020 Dec 8. doi: 10.1111/ajt.16433. Online ahead of print.
- 3) JM Jones, I Kracalik, MM Rana, A Nguyen, BC Keller, A Mishkin, C Hoopes, T Kaleekal, A Humar, J Vilaro, G Im, L Smith, A Justice, C Leaumont, S Lindstrom, B Whitaker, RM La Hoz, MG Michaels, D Klassen, W Kuhnert, SV Basavaraju. SARS-CoV-2 Infections among Recent Organ Recipients, March-May 2020, United States. *Emerg Infect Dis.* 2020 Dec 16;27(2). doi: 10.3201/eid2702.204046. Online ahead of print.
- 4) SV Basavaraju, ME Patton, K Grimm, M Rasheed, S Lester, L Mills, M Stumpf, B Freeman, A Tamin, J Harcourt, J Schiffer, V Semenova, H Li, B Alston, M Ategbale, S Bolcen, D Boulay, P Browning, L Cronin, E David, Rita Desai, M Epperson, Y Gorantla, T Jia, P Maniatis, K Moss, K Ortiz, SH Park, P Patel, Y Qin, E Steward-Clark, H Tatum, A Vogan, B Zellner, J Drobeniuc, MRP Sapiano, F Havers, C Reed, S Gerber, NJ Thornburg, and SL Stramer. Serologic testing of U.S. blood donations to identify SARS-

CoV-2-reactive antibodies: December 2019-January 2020. *Clin Infect Dis*. 2020 Nov 30:ciaa1785. doi: 10.1093/cid/ciaa1785. Online ahead of print

- 5) L Taylor, T Condon, EM Destrampe, JA Brown, J McGavic, CV Gould, TV Chambers, OI Kosoy, KL Burkhalter, P Annambhotla, SV Basavaraju, J Groves, RA Osborn, J Weiss, SL Stramer, EA Misch. Powassan virus infection likely acquired through blood transfusion presenting as encephalitis in a kidney transplant recipient. *Clin Infect Dis*. 2020 Jun 15:ciaa738. doi: 10.1093/cid/ciaa738. [ePub ahead of print].
- 6) S Dollard, P Annambhotla, P Wong, K Meneses, M Amin, RM La Hoz, ED Lease, M Budev, AV Arrossi, SV Basavaraju, CP Thomas. Donor-derived human herpesvirus 8 and development of Kaposi sarcoma among six recipients of organs from donors with high risk sexual and substance use behavior. *Am J Transplant* 2020 Jul 6. doi: 10.1111/ajt.16181. [ePub ahead of print].
- 7) JM Jones, HR Vikram, M Lauzardo, A Hill, J Jones, C Haley, B Seaworth, S Oldham, M Brown, F Gutierrez, SV Basavaraju. Tuberculosis Transmission Across Three States: The Story of a Solid Organ Donor born in an endemic country, 2018. *Transpl Infect Dis*. 2020 Jun 8:e13357. doi: 10.1111/tid.13357. [ePub ahead of print].
- 8) MRP Sapiano, JM Jones, AA Savinkina, KA Haass, JJ Berger, RA Henry, SV Basavaraju. Supplemental findings of the 2017 National Blood Collection and Utilization Survey. *Transfusion*. 2020 Mar;60 Suppl 2:S17-S37.
- 9) AA Savinkina, KA Haass, MRP Sapiano, RA Henry, JJ Berger, SV Basavaraju, JM Jones. Transfusion-associated adverse events and implementation of blood safety measures - findings from the 2017 National Blood Collection and Utilization Survey. *Transfusion*. 2020 Mar;60 Suppl 2:S10-S16.
- 10) AC Bardossy, EA Snavelly, E Nazarian, P Annambhotla, SV Basavaraju, D Pepe, M Maloney, KA Musser, W Haas, N Barros, VM Pierce, M Walters, L Epstein. Donor-derived solid organ transmission of carbapenem-resistant *Acinetobacter baumannii* producing the OXA-23 carbapenemase linked to an ongoing healthcare facility outbreak. *Transplant Infect Dis*. 2020 Feb 8:e13256. doi: 10.1111/tid.13256. [Epub ahead of print]
- 11) JM Jones, MRP Sapiano, AA Savinkina, KA Haass, ML Baker, RA Henry, JJ Berger, SV Basavaraju. Slowing decline in blood collection and transfusion in the United States—2017. *Transfusion*. 2020 Mar;60 Suppl 2:S17-S37.
- 12) HK Smalley, N Anand, D Buczek, N Buczek, T Lin, T Rajore, M Wacker, **SV Basavaraju**, BM Gurbaxani, T Hammett, P Keskinocak, J Sokol, MJ Kuehnert . A mathematical model to describe survival among liver recipients from deceased donors with risk of transmitting infectious encephalitis pathogens. *Transplant Infect Dis*. 2019 Aug;21(4):e13115. doi: 10.1111/tid.13115. [Epub ahead of print]
- 13) JM Jones, BM Gurbaxani, A Asher, S Sansom, P Annambhotla, A Moorman, JT Brooks, **SV Basavaraju**. Quantifying the risk of undetected HIV, Hepatitis B virus, or Hepatitis

- C virus infection in Public Health Service increased risk donors. *Am J Transplant*. 2019 (ePub ahead of print)
- 14) MRP Sapiano, JM Jones, J Bowman, ME Levi, **SV Basavaraju**. Impact of U.S. Public Health Service increased risk deceased donor designation on organ utilization. *Am J Transplant*. 2019 April. (ePub ahead of print)
 - 15) D Bixler, P Annambhotla, WE Abara, MG Collier, J Jones, T Hayden, **SV Basavaraju**, S Ramachandran, S Kamili, A Moorman. Hepatitis B and C virus infections transmitted through organ transplantation investigated by CDC, United States, 2014-2017. *Am J Transplant*. 2019 Mar 12. (Epub ahead of print)
 - 16) CA Nelson, C Murua, JM Jones, K Mohler, Y Zhang, LWiggins, NA Kwit, L Respicio-Kingry, LC Kingry, JM Petersen, J Brown, S Aslam, M Krafft, S Asad, HN Dagher, J Ham, LH Medina-Garcia, K Burns, WE Kelley, AF Hinckley, P Annambhotla, K Carifo, A Gonzalez, E Helsel, CL Fritz, **SV Basavaraju**. Transmission of Francisella tularensis, the Causative Agent of Tularemia, by Solid Organ Transplantation. *Emerg Infect Dis*. 2019 Apr 17;25(4).
 - 17) K Haass, MRP Sapiano, A Savinkina, MJ Kuehnert, **SV Basavaraju**. Transfusion-transmitted Infections reported to the National Healthcare Safety Network Hemovigilance Module. *Transfus Med Rev*. 2019; S0887-7963(18)30104-4..
 - 18) Pouch SM, Katugaha S, Shieh W, Annambhotla P, Walker WL, **Basavaraju SV**, Jones JM, Huynh T, Reagan-Steiner S, Bhatnagar J, Grimm S, Stramer J, Gabel J, Lyon GM, Mehta A, Radcliffe R, Williams C, Staples JE, Fischer MA, Panella A, Lanciotti R, Laven J, Kosoy O, Rabe I, Gould CV. Transmission of Eastern Equine Encephalitis Virus from an Organ Donor to Three Transplant Recipients. *Clin Infect Dis* 2018 Oct 29. (ePub ahead of print).
 - 19) C Edens, KA Haass, M Cumming, A Osinski, L O'Hearn, K Passanisi, L Eaton, P Visintainer, A Savinkina, MJ Kuehnert, **SV Basavaraju**, C Andrzejewski. Evaluation of the National Healthcare Safety Network (NHSN) Hemovigilance Module (HM) for Transfusion-related adverse reactions in the United States. *Transfusion*. 2019 Feb;59(2):524-533.

- 20) Savinkina, A., Sapiano, M., Berger, J., **Basavaraju, SV**. Is surgical volume still the most accurate indicator of blood usage in the United States? *Transfusion* 2019. 59(3):1125-1131.
- 21) HK Smalley, N Anand, D Buczek, N Buczek, T Lin, T Rajore, M Wacker, **SV Basavaraju, BM Gurbaxani, T Hammett, P Keskinocak, J Sokol, M Kuehnert** . Assessment of risk for transplant-transmissible infectious encephalitis among deceased liver donors. *Transplant Infect Dis*. 2018; 20(5):e12933.
- 22) SC Dollard, D Douglas, **SV Basavaraju**, DS Schmid, M Kuehnert, B Aqel. Donor derived Kaposi's sarcoma in a liver-kidney transplant recipient. *Am J Transplant*. 2018 Feb;18(2):510-513.
- 23) H Venkat, L Adams, R Sunenshine, E Krow-Lucal, C Levy, T Kafenbaum, T Sylvester, K Smith, J Townsend, M Dosmann, H Kamel, R Patron, M Kuehnert, P Annambhotla, **SV Basavaraju, IB Rabe**. St. Louis Encephalitis Virus Possibly Transmitted Through Blood Transfusion — Arizona, 2015. *Transfusion*. 2017 Dec;57(12):2987-2994.
- 24) MRP Sapiano, AA Savinkina, KD Ellingson, KA Haass, ML Baker, RA Henry, JJ Berger, MJ Kuehnert, **SV Basavaraju**. Supplemental Findings from the National Blood Collection and Utilization Surveys, 2013 and 2015. *Transfusion*. Accepted April 2017
- 25) KD Ellingson, MRP Sapiano, KA Haass, AA Savinkina, ML Baker, RA Henry, JJ Berger, MJ Kuehnert, **SV Basavaraju**. Cost projections for implementation of safety interventions to prevent transfusion-transmitted Zika virus infection in the United States. *Transfusion*. Accepted April 2017.
- 26) KD Ellingson, MRP Sapiano, KA Haass, AA Savinkina, ML Baker, KW Chung, RA Henry, JJ Berger, MJ Kuehnert, **SV Basavaraju**. Continued Decline in Blood Collection and Transfusion in the United States – 2015. *Transfusion*. Accepted April 2017.
- 27) SA Novosad, **SV Basavaraju**, M. Mohr, P Annambhotla, A. Halpin, L. Foy, R Chmielewski, JM Winchell, AJ Benitez, SS Morrison, T Johnson, DM Crabb, AE Ratliff, K. Waites, MJ Kuehnert. Mycoplasma hominis Infections Transmitted through Amniotic Tissue Product. *Clin Infect Dis*. Accepted April 2017.
- 28) JC Forbi, M Dillon, MAPurdy, BS Drammeh, A Tejada-Strop, D McGovern, G Xia, Y Lin, LM Ganova-Raeva, DS Campo, H Thai, G Vaughan, D Haule, RP Kutaga, **SV Basavaraju, S Kamili, YE Khudyakov**. Molecular epidemiology of Hepatitis B virus infection in Tanzania. *J Gen Virol*. Accepted March 2017.
- 29) G. Mathur, K. Yadav, B. Ford, I.J. Schafer, **SV Basavaraju**, B Knust, W. Shieh, S. Hill, GD Locke, P. Quinlisk, S. Brown, A. Gibbons, D. Cannon, M. Kuehnert, ST Nichol, PE Rollin, U Ströher, R.Miller. High clinical suspicion of donor-derived disease leads to timely recognition and early intervention to treat solid organ transplant-transmitted Lymphocytic Choriomeningitis Virus. *Transpl Infect Dis*. Accepted January 2017.
- 30) MA Foster, LM Weil, S Lin, T Johnson, T Hayden, Y Khudyakov, PD Annambhotla, **SV Basavaraju**, S Kamili, JM Ritter, N Nelson, G Mazariegos, M Green, RW. Himes, DT Kuhar, MJ Kuehnert, JA Miller, R Wiseman, AC Moorman. Transmission of Hepatitis A virus through combined liver-small intestine-pancreas transplantation. *Emerg Infect Dis*. 2017 Apr;23(4):590-596. doi: 10.3201/eid2304.161532.

- 31) MS Chevalier, BJ Biggerstaff, **SV Basavaraju**, MCB Ocfemia, JO Alsina, C Climent-Peris, RR Moseley, KW Chung, B Rivera-García, M Bello-Pagán, LL Pate, SA Galel, MJ Kuehnert. Use of blood donor screening data to estimate Zika virus incidence, Puerto Rico, April–August, 2016. *Emerg Infect Dis.* 2017 May 15; 23(5).
- 32) RM Smith, A Muehlenbachs, J Schaenmann, S Baxi, S Koo, D Blau, P Chin-Hong, AR Thorner, MJ Kuehnert, K Wheeler, A Liakos, JW Jackson, T Benedict, AJ. da Silva, JM Ritter, D Rollin, M Metcalfe, GS Visvesvara, **SV Basavaraju**, S Zaki. 2. Three Cases of Neurologic Syndrome Caused by Donor-Derived Microsporidiosis. *Emerg Infect Dis.* 2017 Mar;23 (3): 387-395.
- 33) PD Annambhotla, BM Gurbaxani, MJ Kuehnert, **SV Basavaraju**. A model to estimate the probability of human immunodeficiency virus and hepatitis C infection despite negative nucleic acid testing among increased risk organ donors. *Transpl Infect Dis.* 2017 Feb 8. doi: 10.1111/tid.12676. [Epub ahead of print]
- 34) KW Chung, **SV Basavaraju**, Y Mu, KL van Santen, KA Haass, R Henry, J Berger, MJ Kuehnert. Declining blood collection and utilization in the United States. *Transfusion.* 2016 Sep; 56 (9):2184-92.
- 35) M Lahuerta, D Selenic, G Kassa, G Mwakitosha, J Hokororo, H Ngonyani, **SV Basavaraju**, C. Courtenay-Quirk, Y Liu, K Kazaura, D Simbeye, N Bock. Reporting and case management of occupational exposures to blood-borne pathogens among health care workers in three healthcare facilities in Tanzania. *Journal of Infection Prevention.* 2016, 17(4) 153–160.
- 36) **SV Basavaraju** and MJ Kuehnert. Custodes Invicem Custodiunt (The watchmen can watch each other). *Transfusion.* 2015 Sep 55(9):2293-2294. doi: 10.1111/trf.13194
- 37) A Suryaprasad, **SV Basavaraju**, SN Hocevar, N Theodoropoulos, RA Zuckerman, T Hayden, J Forbi, D Pegues, M Levine, SI Martin, MJ Kuehnert, EA Blumberg. Transmission of hepatitis C virus from organ donors despite nucleic acid test screening. *Am J Transplant.* 2015 Jul;15(7):1827-35].
- 38) JP Pitman, **SV Basavaraju**, RW Shiraishi, R Wilkinson, B von Finckenstein, DW Lowrance, AA Marfin, M Postma, M Mataranyika, CS Sibinga. Namibia’s transition from whole blood-derived pooled platelets to single-donor apheresis platelet collections. *Transfusion.* 2015 Jul;55(7):1685-92.
- 39) K Chung, AR Harvey, **SV Basavaraju**, MJ Kuehnert. How is national recipient hemovigilance conducted in the United States? *Transfusion.* 2015 Apr;55(4):703-7.
- 40) JP Pitman, R Wilkinson, Y Liu, B von Finckenstein, CS Sibinga, DW Lowrance, AA Marfin, MJ Postma, M Mataranyika, **SV Basavaraju**. Blood component use in a sub-Saharan African country: Results of a four-year evaluation of diagnoses associated with transfusion requests in Namibia. *Transfus Med Rev.* 2015 Jan;29 (1):45-51.
- 41) AR Harvey, **SV Basavaraju**, K Chung, MJ Kuehnert. Transfusion-related adverse reactions reported to the National Healthcare Safety Network Hemovigilance Module, United States, 2010-2012. *Transfusion* 2015 Apr;55(4):709-18.

- 42) JP Pitman, A Bocking, R Wilkinson, M Postma, **SV Basavaraju**, B von Finckenstein, M Mataranyika, AA Marfin, DW Lowrance, CT Smit Sibinga. The impact of external donor support through the U.S. President's Emergency Plan for AIDS Relief on the cost of red cell concentrate in Namibia, 2004-2011. *Blood Transfus.* 2015 Apr;13(2):240-7. doi: 10.2450/2014.0122-14.
- 43) JM Wendt, D Kaul, BM Limbago, M Ramesh, S Cohle, AM Denison, EM Driebe, JK Rasheed, SR Zaki, DM Blau, CD Paddock, LK McDougal, DM Engelthaler, PS Keim, CC Roe, H Akselrod, MJ Kuehnert, **SV Basavaraju**. Transmission of methicillin-resistant *Staphylococcus aureus* infection through solid organ transplantation: Confirmation via whole genome sequencing. *Am J Transplant.* 2014 Nov;14 (11):2633-9.
- 44) JP Pitman, R Wilkinson, **SV Basavaraju**, B von Finckenstein, CTS Sibinga, AA Marfin, M Postma, M Mataranyika, J Tobias, DW Lowrance. Investments in blood safety improve the availability of blood to underserved areas in a sub-Saharan African country. *ISBT Sci Ser.* 2014 Nov;9(2):325-333.
- 45) **SV Basavaraju**, MJ Kuehnert, SR Zaki, JJ Sejvar. Encephalitis caused by pathogens transmitted through organ transplants, United States 2002–2013. *Emerg Infect Dis.* 2014; Sept 20 (9): 1443-1451.
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BOOK CHAPTERS

- 1) **SV Basavaraju** and MJ Kuehnert (2020). Transfusion- and transplantation-transmitted infections. In JE Bennett, R Dolin, MJ Blaser (Eds), *Principles and Practice of Infectious Diseases*. 9th edition. Philadelphia: Elsevier.
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- 3) **SV Basavaraju** and JP Pitman. (2014). Dried blood spots for use in HIV-related epidemiological studies in resource-limited settings. In W. Li and M.S. Lee (Eds), *Dried Blood Spots: Applications and Techniques*. chapter 7; pp 76-94. New York: John Wiley and Sons.

CONFERENCE ABSTRACTS/PRESENTATIONS

Oral Presentations:

- 1) A Limeres, KH Haass, S Clasp, C Holmes, **SV Basavaraju**. Analysis of State Reporting Laws of Transfusion-Associated Adverse Events to Health Departments and the Utility of CDC's NHSN Hemovigilance Module. Council of State and Territorial Epidemiologists Annual Meeting (West Palm Beach, FL, June 2018)
- 2) .KA Haass, A Savinkina, ML Baker, MJ Kuehnert, **SV Basavaraju**. Surveillance for transfusion-transmitted infections among Pathogen Reduction Technology-treated apheresis platelets reported to the National Healthcare Safety Network Hemovigilance Module Council of State and Territorial Epidemiologists Annual Meeting (Boise, ID, June 2017)
- 3) KA Haass, MRP Sapiano, MJ Kuehnert, **SV Basavaraju**. Transfusion-transmitted Infections reported to the National Healthcare Safety Network Hemovigilance Module, 2010 – 2015. Council of State and Territorial Epidemiologists Annual Meeting (Anchorage, AK, June 2016).
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- 6) PD Annambhotla, B Gurbaxani, MJ Kuehnert, **SV Basavaraju**. Development of a risk assessment model for HIV among increased risk deceased donors with negative nucleic acid testing. (Presented at American Transplant Congress, Philadelphia, PA, May 2015).
- 7) N Theodoropoulos, **S Basavaraju**, et al. Transmission of Hepatitis C Virus (HCV) from a Deceased Organ Donor at Increased Risk of HCV infection with Negative Nucleic Acid Test Screening at the Time of Organ Donation. (Presented at IDWeek 2014. Philadelphia, PA, October 2014).
- 8) J Wendt, H Akselrod, S Cohle, D Kaul, M Ramesh, A Denison, M DeLeon-Carnes, D Blau, C Paddock, M Kuehnert, and **S Basavaraju**. Transmission of Methicillin-Resistant *Staphylococcus aureus* infection through solid organ transplantation. (Presented at IDWeek 2013. San Francisco, California, October 2013).
- 9) M. Lahuerta , D. Selenic, G. Mwakitoshia , J. Hokororo, H. Ngonyani , G. Kassa, R. Mbatia , **S. V. Basavaraju**, C. Courtenay-Quirk , Y. Liu, D. Simbeye , K. Kazura , G. Antelman , N. Bock. Reporting and case management of bloodborne pathogen exposures among healthcare workers in Tanzania. Presented at 2nd International Conference on Prevention & Infection Control. Geneva, Switzerland, July 2013.
- 10) KN Ouma, **SV Basavaraju**, J Okonji, J Williamson, T Thomas, J Nkengasong, LA Mills, C Zeh. A Field Evaluation of HIV-1 RNA Viral Load in plasma and Dried Blood Spots Using the Semi-automated COBAS Amplicor and the fully Automated COBAS Ampliprep/Taqman in Kisumu, Kenya. Presented at International AIDS Society conference. Washington DC, July, 2012.

- 11) Dulski T, **S Basavaraju**, G Hotz, L Xu, M Selent, V DeGennaro, D Andrews, H Ford, V Coronado, E Ginzburg. Factors associated with inpatient mortality in a field hospital following the Haiti earthquake, January-May 2010. *Academic Emergency Medicine* 2011; 18(5): S244. (presented at Annual Meeting of the Society for Academic Emergency Medicine. Boston, MA, June, 2011).
- 12) LC McGuire, M Faul, MM Wald, L Xu, V Coronado, **S Basavaraju**, V Kapil. Traumatic brain injury in older adults: Newly released national estimates. *The Gerontologist* 2011; 50 (suppl 1): 520-521. (presented at Gerontological Society of America Annual Convention. New Orleans, LA, November, 2010).
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- 15) Haiti Director's Update Briefing. CDC Director, Atlanta, GA, September, 2010.
- 16) Blood supply and demand: Georgetown, Guyana, November 2007. WHO Expert's Consultation on Estimation of Blood Requirements. Geneva, Switzerland, February, 2010.
- 17) **S Basavaraju** and A McIntyre. Progress in strengthening national blood transfusion services: U.S. President's Emergency Plan for AIDS Relief, 2003-2007. CDC Tuesday Morning Seminar, August, 2008 and AABB (formerly American Association of Blood Banks) Annual Meeting and Expo, Montreal, Canada, October, 2008.
- 18) Transfusion reaction surveillance in Kenya. CDC Fall EIS course, October, 2007.

Poster Presentation:

- 1) D Selenic, M Lahuerta, **S Basavaraju**, C Courtney-Quirk, Y Liu, F Sood, E Msidi, G Kassa, M Sakala, M Kapina, C Malama, E Masebe, R Lungwebungu, N Bock. Occupational Exposure to Bloodborne Pathogens among Health Care Workers in Zambia: Reporting and Utilization of Post-Exposure Prophylaxis. 7th International AIDS Society Conference on HIV Pathogenesis, Treatment and Prevention. Kuala Lumpur, Malaysia, July 2013.
- 2) JA Okonji, **SV Basavaraju**, RW Shiraishi, JP Pitman, CY Ou and C Zeh. Comparison of HIV-1 detection in plasma specimens and dried blood spots using the Roche COBAS Ampliscreen HIV-1 test: Implications for blood banking in resource-limited settings. *Transfusion* 2011; 51 (s3) nr SP 458. (presented at AABB Annual Meeting & CTTXPO, San Diego, California, October, 2011).
- 3) **SV Basavaraju**, J Mwangi, J Nyamongo, C Zeh, RW Shiraishi, and LH Marum. Reduced risk of transfusion transmitted HIV in Kenya: Nucleic acid testing (NAT) does not detect additional HIV infections compared with fourth generation combined p24 antigen and HIV antibody screening. XVIII International AIDS Conference, Vienna, Austria, July, 2010.

- 4) **S Basavaraju**, J Pitman, C Harry, C McEwan, L Hasbrouck, N Henry and L Marum. How Severe Is the Blood Shortage? Blood Distribution in Georgetown, Guyana, November 2007. EIS Conference, Atlanta, GA, April, 2009.
- 5) **S Basavaraju**, J Pitman, C Harry, C McEwan, L Hasbrouck, N Henry, and L Marum. Blood utilization in a resource limited setting: Lessons from Guyana. Leveraging HIV prevention programs to improve hospital systems. HIV Implementers Meeting, Kampala, Uganda, June, 2008.

INVITED LECTURES

- 1) **SV Basavaraju**. “The 2013 PHS Guideline to Reduce the Risk of Unintended HIV/HBV/HCV Transmission Through Organ Transplantation: Opportunities for Improvement.” Columbia University Department of Transplant Surgery- Grand Rounds. New York, NY. May 9, 2019.
- 2) **SV Basavaraju**. “Donor-derived infectious disease risk through solid organ transplantation and surveillance in the United States.” Quebec Biovigilance Committee Public Forum on Vigilance for human-derived products, Montreal, Canada. November 16, 2016.
- 3) **SV Basavaraju**. “CDC investigations of transmission of rare pathogens microsporidia, LCMV, Balamuthia and rabies where do we go from here?” American Transplant Congress, Philadelphia, PA. May 2015.
- 4) R Walsh, D Kaul, S Zaki, & **SV Basavaraju**. “Unusual Transplant-associated Infections: Just How Unusual?” CDC Public Health Grand Rounds. Atlanta, GA. November 18, 2014.
- 5) P Chin-Hong & **SV Basavaraju**. “Difficult donor issues in transplant infectious diseases.” 2014 IDWeek, Philadelphia, PA. October 9, 2014.
- 6) N Vora, J Ritter, **S Basavaraju**. “The masked bandit: a transplant tragedy.” CDC National Center for Emerging and Zoonotic Infectious Diseases Science Forum Seminar. Atlanta, GA. July 24, 2013.
- 7) R Wallace, N Vora, **S Basavaraju**. “Undiagnosed human rabies case resulting in organ-transplant associated rabies transmission, 2013.” CDC Division of High Consequence Pathogens and Pathology Epi-forum. Atlanta, GA. July 17, 2013.
- 8) **SV Basavaraju** and B Lohrke. “Evaluation of a national hemovigilance system and estimation of the prevalence and rate of acute transfusion reactions, Windhoek, Namibia 2011.” WHO Global Consultation on Hemovigilance, Dubai, United Arab Emirates. November 2012 (*given by B. Lohrke due to family emergency*).
- 9) **SV Basavaraju**. “A career in international health following residency in emergency medicine.” Mount Sinai School of Medicine, New York, NY. Department of Emergency Medicine, Grand Rounds. January 25, 2012.