
EMPLOYMENT

Oct 31, 2016- Present **Clinical Pathologist, Transfusion Medicine/Blood Banking**
Saint Luke's Health System, Kansas City, MO

July 1, 2016- Oct 23, 2016 **Associate Faculty, Transfusion Medicine/Blood Banking**
University of Iowa Hospitals & Clinics, Iowa City, IA

EDUCATION

Mar 11, 2017- Present **Physician Leadership Development Program**
UMKC Bloch School of Management & Saint Luke's Health System, Kansas City, MO

July 1, 2015- June 30, 2016 **Transfusion Medicine/Blood Banking Fellowship**
University of Iowa Hospitals & Clinics, DeGowin Blood Center, Iowa City, IA
Diplomate of ABP, Transfusion Medicine/Blood Banking , Sep 6, 2016

June 27, 2013- Nov 11, 2015 **University of Iowa Tippie School of Management, Iowa City, IA**
Master of Business Administration (MBA)
Graduated with distinction Dec 18, 2015, GPA 3.8/4.0.

June 24, 2012- June 30, 2015 **Pathology Residency, Clinical Pathology**
University of Iowa Hospitals & Clinics, Iowa City, IA
Diplomate of ABP, Clinical Pathology (ABP ID: 104850), July 28, 2015

Aug 2, 2004- June 18, 2010 **Dr. S. N. Medical College, India**
Bachelor of Medicine & Bachelor of Surgery (MBBS)
Graduated July 2, 2010, GPA 3.84/4.0. ECFMG Certified (07865413), Sep 9, 2010.

LICENSURE

2016-Present State of Missouri, Physician License, 2016030634

2016-Present State of Kansas, Physician License, 04-39358

2012-Present State of Iowa, Physician License, MD-42245

AWARDS/GRANTS

2016 Paul E. Strandjord Young Investigator Award, 2016 Annual ACLPS Meeting
2016 University of Iowa Carver College of Medicine, Departmental Support for Faculty Directed House Staff Research, \$2040

PROFESSIONAL AFFILIATIONS

American Association of Blood Banks (AABB)
American Society for Apheresis (ASFA)
Heart of America Association of Blood Banks (HAABB)
College of American Pathologists (CAP)
American Society of Clinical Pathologists (ASCP)
United States & Canadian Academy of Pathology (USCAP)
Association for Pathology Informatics (API)
American Medical Informatics Association (AMIA)
Iowa Association of Pathologists (IAP)
Kansas City Society of Pathologists (KCSP)
American Medical Association (AMA)
Indian Medical Association (IMA)

LEADERSHIP EXPERIENCE

2017-Present Member, Trauma Program Operational Process Performance Committee, Saint Luke's Hospital
2017-Present Member, Utilization Management Committee, Saint Luke's North Hospital
2017-Present Member, Performance Improvement Steering Committee, Saint Luke's Hospital
2016-Present Member, ASFA Research Subcommittee, Clinical Applications Committee
2014-Present Reviewer, International Journal of Diabetes in Developing Countries-Springer
2015-2016 Member, Transfusion Subcommittee, University of Iowa Hospitals & Clinics
2014-2015 House Staff Council Member, GME Committee, University of Iowa Hospitals & Clinics

TEACHING EXPERIENCE

2017-Present Editor, Clinical Laboratory News, Saint Luke's Regional Laboratories publication
2016-Present Transfusion Medicine, pathology residents UMKC Truman Medical Center
2015-2016 Transfusion Medicine, pathology residents University of Iowa Hospitals & Clinics
2015-2016 Laboratory Medicine, lecturer & primary facilitator for medical students
Spring 2014 CLS Program, case studies facilitator for clinical laboratory science students
Spring 2013 Case Analysis Medical Pathology II, small group facilitator for medical students
Fall 2012, 2014 Case Analysis Medical Pathology I, small group facilitator for medical students

PUBLICATIONS

2017 **Mathur G**, Collins L, Schlueter A. Solutions to technical challenges during therapeutic plasma exchange on a 4 kilogram neonate. Accepted Feb 2017, *Journal of Clinical Apheresis*.

2017 **Mathur G**, Mott S, Collins L, Nelson G, Knudson CM, Schlueter A. Factors influencing platelet clumping during peripheral blood hematopoietic stem cell collection. Accepted Feb 2017, *Transfusion*.

- 2017 **Mathur G**, Yadav K, Ford B, CDC Working Group, Miller R. High clinical suspicion of donor-derived disease leads to timely recognition and early intervention to treat solid organ transplant-transmitted Lymphocytic Choriomeningitis Virus. Accepted Jan 2017, *Transplant Infectious Disease*.
- 2015 Krasowski M, Schriever A, **Mathur G**, et al. Use of a data warehouse at an academic medical center for clinical pathology quality improvement and research. *Journal of Pathology Informatics* 2015;6:45.
- 2014 **Mathur G**, Haugen T, Davis S, Krasowski M. Streamlined sign-out of capillary protein electrophoresis using middleware and an open-source macro application. *Journal of Pathology Informatics* 2014;5:36.
- 2014 **Mathur G**, Ma D. coexistence of tyrosine kinase inhibitor- sensitizing and resistant EGFR mutations in an untreated lung adenocarcinoma patient and response to erlotinib. *Journal of Thoracic Oncology* 9.7 (2014): e55-e57.
- 2014 Behonick G, Shanks K, Firchau D, **Mathur G**, et al. Four postmortem case reports with quantitative detection of synthetic cannabinoid, 5F-PB-22. *Journal of Analytic Toxicology*. 2014; bku048.
- 2013 **Mathur G**, Mathur S, Prakash P, et al. Retrospective analysis of diabetic admissions: moving forward by looking back. *National Journal of Community Medicine* 2013; 4(4): 594-8.
- 2013 Mathur S, Dubey T, Kulshrestha M, Agarwal H, **Mathur G**, et al. Clinical profile & mortality among novel influenza A (H1N1) infected patients: 2009-10 Jodhpur, Raj pandemic. *Journal of the Association of Physicians of India*. 2013 Sep; 61:39-44.
- 2013 Kishoria N, Dhadhich S, Agarwal H, Mathur A, **Mathur G**, Mathur S. Case report: cytomegalovirus oesophagitis in an HIV- infected patient. *The Ganga Ram Journal*. 2013; 3(3): 151-154.
- 2012 Parakh M, Parakh P, Bhansali S, Gurjar AS, Parakh P, **Mathur G**. A clinico-epidemiologic study of neurologic associations and factors related to speech and language delay. *National Journal of Community Medicine*. 2012; 3(3): 518-22.

Manuscripts In Progress

Mathur G, Ten Eyck P, Knudson CM. Predicting changes in HbS levels following simple transfusion using CBC values. Submitted Mar 2017, *Transfusion*

Mathur G, Collins L, Schlueter A. Tissue plasminogen activator versus heparin for locking catheters between apheresis procedures. In progress.

Ho A, Essmyer C, Nanua S, **Mathur G**. Pre-TEG transfusions: Impact on TEG results and its clinical utilization. In progress.

ORAL PRESENTATIONS

- July 10, 2017 Patient Blood Management. Invited speaker, American Medical Technologists 79th National meeting 2017.
- April 14, 2017 Patient Blood Management & Blood Utilization. Invited speaker, American Society for Clinical Laboratory Science-Iowa Meeting 2017.
- June 3, 2016 Management of patient refractory to platelet transfusion utilizing a hospital based donor center. Research abstract presentation. 2016 Annual ACLPS Meeting.
- April 6, 2016 Pathogen Inactivation. Invited speaker, American Society for Clinical Laboratory Science-Iowa Meeting 2016.
- Mar 24, 2016 Transfusion Medicine Avatars. Pathology grand rounds, University of Iowa Hospitals and Clinics.
- Feb 19, 2015 Knowledge discovery in healthcare: mining our way towards better patient care. Pathology grand rounds, University of Iowa Hospitals and Clinics.
- Oct 28, 2014 Large surgical pathology specimen turnaround time: game on to improve efficiency & effectiveness. Invited speaker, Annual Pathology Research Day, University of Iowa.
- Aug 14, 2014 Fulminant liver failure in setting of synthetic cannabinoid use. Co-presenter, Internal Medicine Grand Rounds-CPC, University of Iowa Hospitals and Clinics.
- Aug 7, 2014 Tumor of unknown origin. Co-presenter, Internal Medicine Grand Rounds-CPC, University of Iowa Hospitals and Clinics.
- April 2, 2014 What is informatics? Invited speaker, American Society for Clinical Laboratory Science-Iowa Meeting 2014.
- Feb 14, 2014 Congenitally dysplastic mitral valve. Co-presenter, PICU Morbidity & Mortality Conference, University of Iowa Hospitals and Clinic.
- Nov 27, 2012 Thermal injuries in a burn patient. Co-presenter, Burn Surgery Morbidity & Mortality Conference, University of Iowa Hospitals and Clinics.
- 2012-present Various inter & intradepartmental presentations. University of Iowa Hospitals and Clinics & Saint Luke's Health System.

POSTER PRESENTATIONS

- May 4, 2017 **Mathur G**, Collins L, Schlueter A. Solutions to technical challenges during therapeutic plasma exchange on a 4 kilogram neonate. ASFA 2017 Annual Meeting.
- May 4, 2017 **Mathur G**, Collins L, Schlueter A. Tissue plasminogen activator versus heparin for

- locking catheters between apheresis procedures. ASFA 2017 Annual Meeting.
- May 5, 2016 **Mathur G**, Collins L, Nelson G, Knudson C M, Schlueter A. Factors influencing platelet clumping during hematopoietic stem cell collection using Spectra Optia® apheresis system. ASFA 2016 Annual Meeting.
- May 5, 2016 **Mathur G**, Schlueter A, Knudson C M. Predicting HbS value from CBC values in patients post simple RBC transfusion. ASFA 2016 Annual Meeting.
- May 29, 2015 **Mathur G**, Schriever A, Ford B, Krasowski M. Use of a data warehouse at an academic medical center for clinical pathology quality improvement and research. 2015 Annual ACLPS Meeting.
- Mar 23, 2015 **Mathur G**, Gailey M, Jans M, et al. Reprioritizing the surgical pathology workflow of cases: decreasing large surgical pathology specimen turnaround time in an academic medical center. 2015 Annual USCAP Meeting.
- Nov 14, 2014 Guseva N, **Mathur G**, Sompallae R, et al. Performance and validation of tumor mutation profiling using the personal genome machine. AMP 2014 Annual Meeting.
- Sep 9, 2014 **G. Mathur**, K. Yadav, B. Ford, CDC Working Group, R. Miller. Organ transplantation associated lymphocytic choriomeningitis virus case cluster. CAP 2014 Annual Meeting.
- July 28, 2014 K. Yadav, **G. Mathur**, B. Ford, CDC Working Group, R. Miller. A case cluster of lymphocytic choriomeningitis virus transmitted via organ transplantation. World Transplant Congress (WTC) 2014.
- June 24, 2014 I. Schafer, R. Miller, U. Stroher, B. Knust, K. Yadav, **G. Mathur**, et al. A Cluster of Lymphocytic Choriomeningitis Virus Infections Transmitted Via Organ Transplantation - Iowa, 2013. Council of State and Territorial Epidemiologists (CSTE) 2014 Annual Meeting.
- June 18, 2014 Guseva N, **Mathur G**, Sompallae R, Tilak A, Heusel J, Ma D, Bossler A. Laboratory experience with clinical ngs testing using the personal genomics machine. Holden Comprehensive Cancer Center Scientific Retreat, University of Iowa Hospitals & Clinics.
- April 10, 2014 **Mathur G**, Haugen T, Krasowski M, Davis S. Streamlined sign-out of capillary protein electrophoresis using middleware and an open-source macro application. AMIA 2014 Joint Summits on Translational Science.

RESEARCH EXPERIENCE

- Feb 14, 2011-
June 16, 2012 **Internal Medicine, M.D.M. Hospital, Jodhpur, India**
Studied Microbiological & Drug Sensitivity Profile of Jodhpur City.
- April 4, 2011-
May 29, 2011 **Internal Medicine, M.D.M. Hospital, Jodhpur, India**
Conducted a Retrospective Analysis of Diabetic Admissions.

- Feb 14, 2011- **Pediatrics, Umaid Hospital, Jodhpur, India**
July 10, 2011 Studied the neurologic associations and factors related to Speech and Language Delay.
- June 21, 2010- **Internal Medicine, M.D.M. Hospital, Jodhpur, India**
Dec 12, 2010 Evaluated the Novel Influenza A (H1N1) admissions during 2009-2010 Pandemic.

OTHER PROFESSIONAL ACTIVITIES

- 2015-2016 Abstract reviewer, 2016 AMIA Joint Summits on Translational Science
- Nov 3-4, 2014 CAP/AABB self-inspection, University of Iowa Hospitals & Clinics
Participated in DeGowin blood center inspection.
- July 29, 2014 Voicebrook evaluation
Part of team that visited Loyola University, Chicago to observe pathology digital voice recognition transcription system Voicebrook.
- Oct, 2014 Paperless dermatopathology sign-out
Prepared an *AutoHotKey* automation script for paperless dermatopathology sign-out.
- Sep, 2014 Efficient surgical pathology hot seat
Prepared an *AutoHotKey* automation script to make fellow preview more efficient.
- Nov 6-7, 2012 CAP/AABB self-inspection, University of Iowa Hospitals & Clinics
Participated in core laboratory inspection.
- April 16-
June 16, 2012 Antiretroviral therapy center, M.D.M. Hospital, Jodhpur, India
Volunteer counselor, roused awareness about HIV/AIDS & its management.
- Feb 1, 2010-
Dec 30, 2011 Clinical Rotations
Brigham & Women's Hospital, MA; Cleveland Clinic Lerner College of Medicine of Case Western Reserve University, OH; UNC Hospitals, University of North Carolina, NC; Indiana University School of Medicine, IN; and Georgia Health Sciences University, GA.
- June 21-
July 4, 2010 WHO tobacco cessation center, M.D.M. Hospital, Jodhpur, India
Volunteer counselor, promoted awareness about the negative effects of tobacco use.
- Nov 22-
Dec 6, 2009 Swine flu surveillance program, Dr. S. N. Medical College, India
Led surveillance team, supervised door to door surveillance, categorized patients based on union health ministry guidelines and provided health education to the community.
- 2005-2010 World health organization (WHO) programs, Dr. S. N. Medical College, India
Volunteered in implementing pulse polio immunization program, national aids control program, gave health talks in slums about hygiene and cleanliness.
- 2005-2010 National health programs, Dr. S. N. Medical College, India

Actively participated in implementation of tuberculosis control program, family welfare program, reproductive & child health program, and national immunization program.

2005-2010 Blood donation camps, M. G. Hospital, Jodhpur, India
Organized and participated in blood donation camps in association with the blood bank

REFERENCES

Annette Schlueter, MD, PhD

Medical Director, Patient Services & Tissue and Cellular Therapies
DeGowin Blood Center, University of Iowa Hospitals & Clinics
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