

Curriculum Vitae
Nupur Mittal, M.D.

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EDUCATION

1998-2004: Maulana Azad Medical College, Delhi India
MBBS (Bachelor of Medicine and Surgery)

GRADUATE MEDICAL EDUCATION

2012-2015: Fellowship , Pediatric Hematology Oncology,
University of Illinois- Rush University- Stroger hospital tri-Institutional
Fellowship program, Chicago, IL

2011-2012: Pediatric Residency
Medical college of Wisconsin, Milwaukee, WI

2009-2011: Pediatric Residency
University Of Illinois at Chicago, Chicago, IL

2004-2007: Pediatric Residency, MD in Pediatrics
Maulana Azad Medical College, Delhi, India

CURRENT/PAST PROFESSIONAL POSITIONS:

2015-Current Assistant Professor , Pediatric Hematology Oncology, Rush
University Medical Center , Rush Medical College

2015- Current Clinical Instructor , University of Illinois at Chicago , Pediatrics

2019- Current Co- director AYA Sarcoma Program

2019- Current Co- director UIC Rush Stroger Pediatric hematology oncology
Fellowship

PROFESSIONAL EXPERIENCE:

2008-2009: Research assistant and observer
Rush Hemophilia and Thrombophilia Center, Supervisor

Rush University Medical Center, Chicago, IL

2007-2008: Chief resident
Lok Nayak Hospital, New Delhi, India

PROFESSIONAL QUALIFICATIONS

2003- Bachelor of Medicine & Bachelor of Surgery
2007- Doctor of Medicine (MD) Pediatrics
2012 - Diplomate of the American Board of Pediatrics
2015- Fellowship Pediatric Hematology oncology
2016 - Diplomate of the American Board of Pediatrics (Hematology/Oncology)

PROFESSIONAL QUALIFICATION/CERTIFICATION

1998- Bachelor of Medicine & Bachelor of Surgery
2008 USMLE STEP 1 - score 99 percentile
2008 USMLE STEP 2 CK - score 99 percentile
2008 USMLE STEP 2 CS - passed
2008 USMLE STEP 3 - score 94 percentile
2008 ECFMG certification
2012-Present Diplomate of American Board of Pediatrics
2017- Present Diplomate of American Board of Pediatric hematology Oncology

Licensure-

2012-Current - Illinois permanent medical license active and in good standing
2015-Current – Illinois controlled substance license

PROFESSIONAL DEVELOPMENT ACTIVITIES

2008- Hemophilia and Thrombophilia Research Society Symposium workshop ,
Chicago
2014- Lymphoma Research foundation rounds , Chicago
2014 – Hemophilia and Thrombophilia Research society symposium workshop ,
Charlotte
2017 – American Society of Clinical Oncology symposium , San Diego
2018 and 2019 – University of Chicago AYA Symposium
2018 – Coleman foundation palliative care symposium
2021 – Coleman foundation AYA Symposium
2020- Current – Department of Pediatrics ,Diversity, Equity and Inclusion Committee

COMMITTEES (INSTITUTIONAL)

2015- Present Faculty Search Committee, Division of Pediatric Hematology and Oncology, Rush University Medical Centre
2015- Present ACGME Fellowship core committee
2015- Present ACGME Pediatric Residency Core committee
2019- Present Rush Musculoskeletal Oncology core Group
2020-Present Institutional Diversity, Equity and inclusion Committee
2020 – Current – Pediatric Leader , chemotherapy subcommittee of PNT committee
2021 – Present Fellowship scholarship oversight committee

COMMITTEES (National and International)

2016- Present Childrens Oncology Group (COG) Myeloid disease committee
2016- Current COG adolescent and young adult (AYA)AML sub committee
2018- Current COG AYA steering committee
2017 Current COG AYA Responsible investigator Initiative co-chair
2017- Current COG Diversity and Health Disparity committee
2019- Current COG AYA Committee Genetic Predisposition working group of
2019 –Current COG AYA Committee AYA RI working group
2022 -

VOLUNTEER EXPERIENCES AND COMMUNITY ACTIVITIES

1999- 2004 Medical Volunteer, National Pulse Polio Immunization Program, INDIA
2009-2011 Resident representative of class during first two years of residency
2006 Research Volunteer, Indian Council of Medical Research, Delhi, India
2006 Research Volunteer, National Institute of communicable diseases, India

AWARDS

2000-2002 2nd prize in Pathology from University of Delhi in MBBS
2009 Young investigator award for study titled “Utility of pediatric bleeding children with pathological bleeding” at Hemophilia and Thrombophilia Research Society annual symposium, Chicago (peer reviewed)
2006 2nd prize for Oral presentation of study titled “Diagnostic utility of various tests in Pleural diseases” of thesis at RESPICON (National conference of respiratory chapter of Indian academy of pediatrics)

judged by esteemed faculty panel

TEACHING AND MENTORSHIP ACTIVITIES

1. 2019- Current Co- Program Director – UIC-Rush-Stroger Fellowship Program
2. Bedside teaching for Rush Medical School Pediatric Residents during inpatient service -12 weeks a year.
3. Bedside teaching for Rush Medical School students during Hematology/Oncology rotation at the Children’s Hospital Average of 12 weeks/year
4. Development of a Pediatric Hematology/Oncology Curriculum Rush Medical College Pediatric Residents and students
5. Pediatric Hematology/Oncology Training for Rush Medical college Residents. Core faculty
6. Pediatric Hematology/Oncology fellows curriculum at Rush University children’s Hospital . Core faculty .
7. Program Organizer: Organized the Hematology/Oncology teaching program for Rush Children’s Hospital Pediatric residents when they rotate through Hematology/Oncology
8. 2015-2018 Director : M3 medical student clerkship sub specialty block director for pediatric hematology oncology
9. 2012- 2015 Resident Board Review University of Illinois at Chicago
10. 2012- 2015 Resident noon conference lecturer University of Illinois at Chicago
11. 2012- 2015 Rush Medical College 0 Lectures to 3rd year medical students during pediatric clerkship
12. Uic Medical students M1 /M2 mentorship program – Pediatrics – Faculty mentor

Pediatric Resident and student Mentoring for scholarly activities :

Alejandro Llanos Chea	Rush Medical College , Pediatrics	2012	Manuscript in JAYAO
Leah Bruno	PediatricsUIC	2013	Uic
Mentorship program for M2			
Jeffery Ording	Rush Medical College , Pediatrics	2013	Poster at ASPHO meeting
Daniel Urkov	Rush Medical College Pediatrics	2015	Poster at ASPHO
Robert Hartemeyer	Rush Medical College Pediatrics	2015	Manuscript published in JPHO

Pediatric Hematology Oncology Fellows mentoring
 Nidhi Bhatt UIC-Rush- Stroger fellowship Peds Heme/Onc 2015
 Poster/sbstract at Americcan society of Pediatric Hematology Oncology
 Anil George UIC-Rush- Stroger fellowship Peds Heme/Onc 2016
 Poster abstract at ASPHO and PAS for two different case reports

Sindura Jamalapur – Mentoring for tumor boards and journal clubs

Ariel Gliksberg – Mentoring for tumor boards and journal clubs

Paige Reilly – Primary Fellowship research mentor – Genetic predisposition in AYA oncology – 2021-

DNP student – Kimberly Koetter – Mentor 2018-2019

APN student – Margaret Kois – Mentor – 2021- current

RESEARCH EXPERIENCE

Investigator Initiated Research Projects (as Principal Investigator or Co-Investigator) Institutional

1) Rush Hemophilia and Thrombophilia Center, Chicago, IL
 Clinical research project 'Utility of bleeding questionnaire in diagnosis of Von Willebrand Disease in children'. Wrote protocol, Got IRB approval , conducted research , data analysis, presented poster and oral presentation at HTRS symposium
 Manuscript published
 Role : PI

2) Basic and translational research 'Role of beta catenin inhibition in 5q deletion therapy related AML/MDS'

Presented poster at American Society of Clinical Oncology and abstract accepted for poster at International society of Pediatric oncology

Manuscript published

Role – Co-investigator (Project lead)

PI- Zhijian Qian

3) Basic and translational research ' EVI-1 hyperexpression in pediatric and young adult AML'- UIC

Published abstract and presented poster at ASPHO, ASCO,

Manuscript in press

Funding – St Baldricks foundation grant 2014-2016

Role – Co- PI

4) *Accrual of AYA and Other Underrepresented Minority Cancer Patients to COG Cancer Clinical Trials*

Role : Leading role , co- investigator

PI : Mary Lou Schmidt

Presented oral abstract at ASH meeting, published abstract in Blood and JCO

Manuscript in publication

5) Assessing Utility of and improving awareness amongst residents and nursing staff regarding application of 'severity scoring for children hospitalized with acute chest syndrome In sickle cell disease'

Published abstract and presented poster at ASPHO, ASH meetings

Role –PI

6) Loss of measles humoral immunity in Pediatric Cancer patients

Rush University Children's Hospital

PI- Nupur Mittal, MD

Funding – 10,000 USD Heal the Children institutional grant

2016-2017

Published abstract in JCO and PBC

7) Addressing family challenges faced by AYA cancer patients and their parents/caregivers:

Piloting the 'New Normal' program

Role – Co-investigator

PI Kathleen Mc Lean PhD

Funding : Heal the children institutional grant

8. Development of multidisciplinary AYA brain tumor at Rush University .

Role : CO- Investigator
PI- Clement Pillainayagam
Funding 50,000 USD Brain Up foundation

Investigator Initiated Research Projects (as Principal Investigator or Co-Investigator) National/International

1. **Development of Children's Oncology Group AYA RI Network**
2017- Current
Role : Co- Leader
Funding : COG
2. **COG AYA RI Network Survey**
2019- Current
Role – CO-PI
Funding : COG
3. **COG AYA Committee Covid working Group**
2020- current
Role : Leader
4. **COG AYA Genetic predisposition working group**
2020- current
Investigator
5. **Coleman Foundation AYA Supportive Care initiative**
Role : PI
2019- Current
6. **Coleman foundation pediatric palliative care initiative – 2017-2018**
Rush PI (0.10FTE) – Multiinstitutional grant
Funding : Coleman foundation .
7. **Rush University Medical center Children's Oncology Group Clinical trials program – Co-investigator – 50 active clinical trials**
8. **Rush University Medical Center Pediatric and AYA Sarcoma Clinical trials program – Co director AYA Sarcoma Program**
Clinical research reporting, retrospective and prospective case series

9. **A Randomised, Double-Blind, Parallel-Group, Multicentre, Phase III Study to Evaluate the Effect of Ticagrelor versus Placebo in Reducing the Rate of Vaso-Occlusive Crises in Paediatric Patients with Sickle Cell Disease (HESTIA3)**

Role : Rush PI

10. PI GBT 131 - A Randomized, Double-blind, Placebo-controlled, Multicenter Study to Assess the Safety and Efficacy of Inclacumab in Participants with Sickle Cell Disease Experiencing Vaso-Occlusive Crises.
11. PI GBT 132 - A Randomized, Double-blind, Placebo-controlled, Multicenter Study of a Single Dose of Inclacumab to Reduce Re-admission in Participants with Sickle Cell Disease and Recurrent Vaso-occlusive Crises
12. PI GBT 133 - An Open-Label Extension Study to Evaluate the Long-Term Safety of Inclacumab Administered to Participants with Sickle Cell Disease Who Have Participated in an Inclacumab Clinical Trial
13. Coleman foundation AYA Supportive care multi-institutional initiative 2019-Current . Institutional PI
14. Rush Cancer Survivorship clinic – Development and leadership

PUBLICATIONS/ABSTRACTS

PEER REVIEWED MANUSCRIPTS

1. **Nupur Mittal**, *Paula D James and Leonard A Valentino*. Diagnosis of von Willebrand disease in children. **Current pediatric reviews. November 2009 : 5(3) 169-175**
2. **Nupur Mittal**, *Paul Kent* . Metastatic and recurrent bone tumors in children . **Current problems in Cancer. August 2013: 37(4) PMID:24238587**
3. **Nupur Mittal**, MD, *Alejandro Llanos-Chea, MD, Dipti Dighe, MD, and Lisa Giordano, MD*. A teenaged patient with severe Asparaginase – Induced Hypertriglyceridemia safely re-challenged during primary and relapse therapy for acute lymphoblastic leukemia. **Journal of adolescent and young adult oncology 2014 April :3(1), 2014**

4. **Nupur Mittal**, *Paul Kent*. Insights into the genetic basis of familial hemophagocytic lymphohistiocytosis. **Pediatric Blood and Cancer** 2014 Jun;**61(6):962-3** PMID:24616126
5. *Y Hou, X Wang, LP Li, R Fan, J Chen, Tongyu Zhu, W Li¹, Nupur Mittal, WS Wu, D Peace, Zhijian Qian*. FHL2 regulates hematopoietic stem cell functions under stress conditions. **Leukemia**. 2014 Sep 2. doi: [10.1038/leu.2014.254](https://doi.org/10.1038/leu.2014.254). PMID:[25179730](https://pubmed.ncbi.nlm.nih.gov/25179730/)
6. **Nupur Mittal**, *Bing Zhu, Sujata Gaitonde, Yang Lu, Mary Lou Schmidt*. A unique description of stage iv extranodal marginal zone lymphoma in an adolescent associated with gamma heavy chain disease. **Pediatric Blood and Cancer**. Feb 8 2015. DOI:[10.1002/pbc.25419](https://doi.org/10.1002/pbc.25419) PMID:25663537
7. **Nupur Mittal**, *Rachelle Pederson, Paula James, Susan Shott, Leonard A Valentino*. Utility of a Pediatric Bleeding Questionnaire as a Screening Tool for von Willebrand Disease in apparently healthy children. **Hemophilia** . 2015 May 16. doi: [10.1111/hae.12689](https://doi.org/10.1111/hae.12689). PMID:[25982122](https://pubmed.ncbi.nlm.nih.gov/25982122/)
8. **Nupur Mittal**, *Vinay Aakulu, MD , Sangeeta Mehendele, MD , Pete Setabutr, MD , Edward Michals, MD , Mary Lou Schmidt, MD* .First report of Primary Orbital Histiocytic Sarcoma in a child successfully treated with multi-agent chemotherapy. *J Pediatr Hematol Oncol*. 2016 Jul 27. [Epub ahead of print] PMID:27467374
9. Lei L, Xia S, Liu D, Li X, Feng J, Zhu Y, Hu J, Xia L, Guo L, Chen F, Cheng H, Chen K, Hu H, Chen X, Li F, Zhong S, **Mittal N**, Yang G, Qian Z, Han L, He C. Genome-wide characterization of lncRNAs in acute myeloid leukemia. *Brief Bioinform*. 2018 Jul 20;19(4):627-635. doi: [10.1093/bib/bbx007](https://doi.org/10.1093/bib/bbx007).
10. Li L, Sheng Y, Li W, Hu C, **Mittal N**, Tohyama K, Seba A, Zhao YY, Ozer H, Zhu T, Qian Z. β -Catenin Is a Candidate Therapeutic Target for Myeloid Neoplasms with del(5q). *Cancer Res*. 2017 Aug 1;77(15):4116-4126.
11. Anil George, **Nupur Mittal**, Paul Kent . The Moonshot Initiative: Randomized, Controlled Trials, and Its Impact in Pediatric Oncology. *J Pediatr Hematol Oncol*. 2018 Jul;40(5):413-414. doi: [10.1097/MPH.0000000000001063](https://doi.org/10.1097/MPH.0000000000001063)
12. **Nupur Mittal**, Robert Hartemeyer , Sara Jandeska and Lisa Giordano . Steroid Responsive Atypical Hemolytic Uremic Syndrome Triggered By Influenza B Infection. *J Pediatr Hematol Oncol*. 2018 Apr 26. doi:[10.1097/MPH.0000000000001180](https://doi.org/10.1097/MPH.0000000000001180)
13. Nidhi Bhatt , Jerome Loew , Patrick Gallagher , **Nupur Mittal**. Severe nondominant hereditary spherocytosis in an infant with coinheritance of three rare

alpha-spectrin gene defects. *Pediatric Blood and Cancer* . *Pediatr Blood Cancer*. 2018 Sep 25:e27480. doi: 10.1002/pbc.27480

14. **Nupur Mittal, MD**, Jonathan Davidson, MS, Mario F. Martinez, BS, Reynaldo Sanchez, BS, Nitin Sane, BS, Lisa Giordano, MD, Daniel K. Choi, MD, Paul Kent, MD, Dipti Dighe, MD, Asneha Iqbal, MD, Cathleen Kiely, APN, Kathleen Breen, APN, John G. Quigley, MD, Rosalind Catchatourian, MD, Steven Gitelis, MD, and Mary Lou Schmidt, MD. Tri-Institutional Approach to Address Disparities in Children's Oncology Group Clinical Trial Accrual for Adolescents and Young Adults and Underrepresented Minorities. *Journal of adolescent and young adult oncology* . *J Adolesc Young Adult Oncol*. 2019 Jan 24. doi: 10.1089/jayao.2018.0119
15. **Mittal N**, Li L, Sheng Y, Hu C, Li F, Zhu T, Qiao X, Qian Z. A critical role of epigenetic inactivation of miR-9 in EVI1^{high} pediatric AML. *Mol Cancer*. 2019 Feb 27;18(1):30.
16. Gallagher PG, Maksimova Y, Lezon-Geyda K, Newburger PE, Medeiros D, Hanson RD, Rothman J, Israels S, Wall DA, Sidonio RF Jr, Sieff C, Gowans LK, **Mittal N**, Rivera-Santiago R, Speicher DW, Baserga SJ, Schulz VP. Gallagher PG, et al. Among authors: **mittal n**. Aberrant splicing contributes to severe α -spectrin-linked congenital hemolytic anemia. *J Clin Invest*. 2019 Apr 30;129(7):2878-2887. doi: 10.1172/JCI127195.
17. Roth M, **Mittal N**, Saha A, Freyer DR. The Children's Oncology Group Adolescent and Young Adult Responsible Investigator Network: A New Model for Addressing Site-Level Factors Impacting Clinical Trial Enrollment. *J Adolesc Young Adult Oncol*. 2020 Aug;9(4):522-527. doi: 10.1089/jayao.2019.0139. Epub 2020 Feb 20.
18. **Mittal N**, Loughran T Jr, Rivers A. T-cell large granular lymphocytic leukemia successfully treated with oral cyclosporine in a child: Case report and review of literature. *Pediatr Blood Cancer*. 2020 Jun 26:e28487. doi: 10.1002/pbc.28487. Online ahead of print.
19. **Mittal N** , Miller, I, cameron, James et al. An adolescent with primary undifferentiated pleomorphic sarcoma of the heart with MDM2 amplification successfully treated with multimodal therapy: Case report and Review of Literature. *Oncology Case reports Journal* Accepted In press
20. **Nupur Mittal**, Anne-Marie Langevin², Wade Kyono³, David S. Dickens⁴, Allison Grimes⁵, John M. Salsman⁶, Brad H. Pollock⁷, Michael. Barriers to Pediatric Oncologist Enrollment of Adolescents and Young Adults on a Cross-Network National Clinical Trials Network Supportive Care Cancer Clinical Trial. *J Adolesc Young Adult Oncol*. 2021 May 13. doi: 10.1089/jayao.2021.0041. Epub ahead of print. PMID: 33983848.

21. Avutu V, Monga V, **Mittal N**, Saha A, Andolina JR, Bell DE, Fair DB, Flerlage JE, Frediani JN, Heath JL, Kahn JM, Reichek JL, Super L, Terao MA, Freyer DR, Roth ME. Use of Communication Technology to Improve Clinical Trial Participation in Adolescents and Young Adults With Cancer: Consensus Statement From the Children's Oncology Group Adolescent and Young Adult Responsible Investigator Network. *JCO Oncol Pract*. 2022 Mar;18(3):224-231. doi: 10.1200/OP.21.00554. Epub 2021 Dec 14. PMID: 34905405; PMCID: PMC8932547.
22. **Mittal N**, Saha A, Avutu V, Monga V, Freyer DR, Roth M. Shared barriers and facilitators to enrollment of adolescents and young adults on cancer clinical trials. *Sci Rep*. 2022;12(1):3875. Published 2022 Mar 9. doi:10.1038/s41598-022-07703-5
23. Hesko, C, Mittal, N ,

PEER REVIEWED PUBLISHED ABSTRACTS

1. **Nupur Mittal**, *Paula D James, Susan Shott, Leonard A Valentino*. Utility of pediatric bleeding score to identify children with pathological bleeding. **Pediatr Blood Cancer DOI 10.1002/**. Presented as poster at **ASPHO annual meeting 2009**
2. **Nupur Mittal**, *Paula D James, Susan Shott, Leonard A Valentino*. Utility of pediatric bleeding score to identify children with pathological bleeding. Poster presentation at **HTRS annual symposium in 04/2009**
3. **Nupur Mittal**, *James Cameron , Jeffrey Ording , Paul Kent*. Limitations of PET SCAN In Evaluation Of Ewing Sarcoma . *Pediatric Blood and Cancer*. May 2013. Presentation as a poster at the **ASPHO annual meeting 2013 and publication. 10.1002/pbc.24509**
4. **Nupur Mittal**, *Paul Kent, Ala Alsaedi, Saman Ibrahim*. Locally advanced clear cell adenocarcinoma (cca) of the cervix/vagina in an adolescent with no diethylstilbesterol (des) exposure with excellent response to neoadjuvant chemotherapy with carboplatin/paclitaxel. *Pediatric Blood and Cancer* , May 2014. Presentation as poster at the **ASPHO annual meeting 2014 and published . Pediatr Blood Cancer DOI 10.1002/pbc**
5. **Nupur Mittal**, *Bing Zhu, Sujata Gaitonde, Fredrick Behm, Yang Lu, Mary Lou Schmidt*. A unique description of Stage IV Extranodal marginal zone lymphoma (EMZL) in an adolescent associated with gamma heavy chain disease (γ HCD) showing excellent response to Bendamustine-Rituximab. *Pediatric Blood and Cancer* . May

2014. Presentation as poster at the **ASPHO annual meeting 2014 and published. *Pediatr Blood Cancer*. DOI 10.1002/pbc**

6. Nupur Mittal, Amber Seba, Vitayli Senyuk, Zhijian Qian. Role of Wnt/ β -catenin pathway in myeloid neoplasms with 5q deletion: A new therapeutic target'. Presented as poster at **ASCO annual meeting 2014. *J Clin Oncol* 32:5s, 2014 (suppl; abstr 7076)**

7. Nupur Mittal, Paul Kent, Saman Ibrahim. Role of FDG-PET scans in the evaluation of bone sarcomas in children and young adults. Accepted for publication in *Pediatric Blood and Cancer* and poster presentation at the **annual SIOP meeting 2014. DOI: 10.1002/pbc.25314**

8. Nupur Mittal, Amber Seba, Vitayli Senyuk, Zhijian Qian. Role of Wnt/ β -catenin pathway in therapy related myeloid neoplasms with 5q deletion: A new therapeutic target. Accepted for publication in *Pediatric Blood and Cancer* and poster presentation at the **annual SIOP meeting 2014. DOI: 10.1002/pbc.25314**

9. Nupur Mittal, Paul Kent, Saman Ibrahim. Role of FDG-PET scans in the evaluation of bone sarcomas in children and young adults. Accepted for publication in *Pediatric Blood and Cancer* and poster presentation at the **annual CTOS meeting 2014**

10. Nupur Mittal, Liping Li, Zhijian Qian. Role of Wnt/ β -catenin pathway in therapy related myeloid neoplasms with 5q deletion: A new therapeutic target. **Accepted for poster presentation at 2015 annual ASPHO meeting and published . DOI: 10.1002/pbc.25540**

11. Nupur Mittal, Angela Rivers. A common presentation of a very rare pediatric entity: T-cell large granular lymphocytic leukemia in a child. **Accepted for poster presentation at 2015 annual ASPHO meeting and published . DOI: 10.1002/pbc.25540**

12. Nupur Mittal, Liping Li, Zhijian Qian. Hypomethylating agents as potential therapy for pediatric and young adult AML with EVI-1 hyper expression. ***J Clin Oncol* 33, 2015 (suppl; abstr e21004)**

13. Nupur Mittal, Lewis Hsu. A Survey of Resident Physicians' and Nurses' Knowledge of Severity Assessment of Acute Chest Syndrome and Role of Incentive Spirometry in Management. **Accepted for poster presentation and publishing in journal 'Blood' for 2015 ASH meeting. *Blood* 2015 126:2064;**

14. Nupur Mittal, Liping Li, Zhijian Qian. Epigenetic Inactivation of miR-9 in Pediatric Acute Myeloid Leukemia with EVI1 Overexpression. **Accepted for poster presentation at**

the Midwest Blood Club Symposium, October 9 – 11, 2015 at the French Lick Springs Hotel, French Lick, IN.

15. Nupur Mittal, Lewis Hsu. A Survey of Resident Physicians' and Nurses' Knowledge of Severity Assessment of Acute Chest Syndrome and Role of Incentive Spirometry in Management. **Accepted for poster presentation and publishing in journal 'Pediatric Blood and Cancer' for 2016 ASPHO meeting. DOI: 10.1002/pbc.25998**

16. Nupur Mittal, Paul Kent. Measles immune status in an inner city pediatric oncology patient cohort during the measles outbreak of 2015. **Accepted for poster presentation and publishing in journal 'Pediatric Blood and Cancer' for 2016 ASPHO meeting. DOI: 10.1002/pbc.25998**

17. Nupur Mittal, Liping Li, Zhijian Qian . Epigenetic inactivation of miR-9 in EVI1high pediatric AML. **Accepted for poster presentation at ASCO 2016 and published in JCO . J Clin Oncol 34, 2016 (suppl; abstr 10537)**

18. Mario F Martinez, Reynaldo Sanchez, Nupur Mittal et al. Improved access to Children's Oncology Group (COG) clinical trials for under-represented minorities and adolescents and young adults (AYAs) through a novel tri-institutional program: addressing cancer disparities. **J Clin Oncol 34, 2016 (suppl; abstr e18000)**

19. Nupur Mittal, Paul Kent, Daniel Urkov et al. Measles immune status in an inner city pediatric oncology patient cohort during the measles outbreak of 2015. **J Clin Oncol 34, 2016 (suppl; abstr e18228)**

20. Nupur Mittal, Mario Martinez, Johnathan Davidson et al. Improving Access for Adolescents and Young Adults (AYAs) and Underrepresented Minorities with Leukemia to Children's Oncology Group (COG) Clinical Trials: A Novel Collaborative Approach to Address Disparities in Leukemia. **Accepted for poster presentation at 2016 ASH meeting on hematologic malignancies , Chicago , USA.**

21. Nupur Mittal, Liping Li, Zhijian Qian . Epigenetic inactivation of miR-9 in EVI1 high pediatric AML. **Accepted for poster presentation at COG YI Symposium , 2016 , Atlanta . USA.**

22. Nupur Mittal, Mario Martinez, Johnathan Davidson, Paul Kent, Lisa Giordano, Dipti Dighe, Daniel K. Choi, Rey Sanchez, John G. Quigley, Rosalind Catchatorian, Cathleen Kiely, Kathleen Breen, Jennifer Misasi, Nitin Sane, Michael Buraglio and Mary Lou Schmidt. Improving Accrual of Adolescents and Young Adults and Underrepresented Minorities with Leukemia to Children's Oncology Group Clinical Trials: A Novel

Collaborative Approach to Address Disparities in Leukemia. Poster at 2016 ASH meeting Blood 2016 128:845

23. Nupur Mittal, Mario Martinez, Johnathan Davidson et al. Improving Access for Adolescents and Young Adults (AYAs) and Underrepresented Minorities with Leukemia to Children's Oncology Group (COG) Clinical Trials: A Novel Collaborative Approach to Address Disparities in Leukemia . Poster and abstract . at the 2017 ASPHO meeting. 2017 ASPHO ABSTRACTS. *Pediatr Blood Cancer*, 64: n/a,e26591.doi:10.1002/ptbc.26591

24. Nidhi Bhatt , Jeremy Loew , **Nupur Mittal** . Infant with severe alpha-spectrin linked non-dominant hereditary spherocytosis (hs) caused by a unique double heterozygous mutation in the spta -1 gene . Abstract and poster accepted at 2017 ASPHO meeting. 2017 ASPHO ABSTRACTS n/a,e26591.doi:10.1002/ptbc.26591

25. Nupur Mittal, Anil George , Brett Mahon, Paul Kent. Unique case of central nervous system hemophagocytic lymphohistiocytosis (hlh)following induction therapy for cns-iii t-acute lymphoblastic leukemia (t-all) in a child successfully managed with hlh-2004 protocol and cns radiation". Abstract and poster accepted at 2017 ASPHO meeting. 2017 ASPHO ABSTRACTS. n/a,e26591.doi:10.1002/ptbc.26591

26. . **Nupur Mittal**, Liping Li, Zhijian Qian . Epigenetic inactivation of miR-9 in EVI1 high pediatric AML. **Accepted for poster presentation and abstract at 2017 ASPHO meeting.** 2017 ASPHO ABSTRACTS n/a,e26591.doi:10.1002/ptbc.26591

26. Anil George, **Nupur Mittal**, Paul Kent . The Moonshot Initiative and Its Impact for Pediatric Oncology. Abstract Accepted for poster at 2017 ASPHO meetings

27. Anil George, **Nupur Mittal**, Paul Kent . The Moonshot Initiative and Its Impact for Pediatric Oncology. Abstract Accepted for poster at 2017 PAS meetings

28. Ayoolamide N. Gazal, Karen Tamulonis, Kimberly Vavra, Stephen Dvorak, Paul Kent, **Nupur Mittal**. LOSS OF MEASLES IMMUNITY IN PEDIATRIC ONCOLOGY PATIENTS: RISK WITH THE RISE OF UNDERVACCINATION Abstract accepted for poster at 2017 CTOS meeting .

29. *Nupur Mittal, MD, Chicago, Illinois, United States, Stephen J. Dvorak, BS, Paul Kent, MD.* LOSS OF PROTECTIVE HUMORAL IMMUNITY AGAINST MEASLES IN PEDIATRIC ONCOLOGY PATIENTS: A RISK WITH THE RISE OF UNDERVACCINATION. 2018 ASPHO conference . Published in *Pediatric blood and cancer* <https://doi.org/10.1002/ptbc.27057>

30. Nupur Mittal, MD, Chicago, Illinois, United States, Murali Nagarajan, MD, Peter Heydemann, MD. Single Institution Experience Of Posterior Reversible Encephalopathy Syndrome ((Pres) Associated With Induction Therapy For High Risk Pediatric All: Is There A Role Of Pharmacoethnicity. 2018 Aspho Conference . Published in Pediatric blood and cancer . <https://doi.org/10.1002/pbc.27057>

31. Eugene Suh, Erika D Owen, Jennifer Reichel, Betty Roggenkamp, Julia Rachel Trosman, Tara O. Henderson, **Nupur Mittal**, Dipti Dighe, Asneha Iqbal, Rosa Berardi, Daniel K. Choi, Natasha Pillay Smiley, Caroline Hesko, Jason Andrew Canner, Zayda Stewart, Stacy D. Sanford, Christine B. Weldon; Loyola University Medical Center, Maywood, IL; Rush University Medical Center, Chicago, IL; Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL; Center for Business Models in Healthcare, Chicago, IL; University of Chicago, Chicago, IL; John H. Stroger Jr. Hospital of Cook County, Chicago, IL; Cook County Health and Hospital System, Chicago, US; Coleman Foundation, Chicago, IL; University of Illinois at Chicago, Chicago, IL; University of Chicago Comer Children's Hospital, Chicago, IL; Advocate Hope Children's Hosp, Oak Lawn, IL; UI Health Pediatric Hematology/Oncology Division, Chicago, US; Northwestern University, Chicago, IL; Northwestern University Feinberg School of Medicine, Chicago, IL
“Getting to Know You and Your Child” screening questionnaire: results from a Chicago pediatric collaborative. ASCO 2018 conference . published in JCO

32. Nupur Mittal, Aniket Saha , David Freyer and Mike Roth . *The Children's Oncology Group (COG) Adolescent and Young Adult (AYA) Responsible Investigator (RI) Network: An initiative for advancing AYA cancer research in the National Clinical Trials Network (NCTN). Accepted as abstract for ASCO 2019*

32. Nupur Mittal, Paul Kent . PROLONGED SURVIVAL WITH CHECK-POINT INHIBITOR /TYROSINE KINASE INHIBITOR FOR RELAPSED OSTEOSARCOMA. ASPHO 2022 Meeting accepted for Poster

33. Nupur Mittal, Brian Seyboth and Paul kent *Check point inhibitor and multireceptor Tyrosine Kinase inhibitor combination in relapsed refractory sarcomas: A single institution series.*
Accepted for Poster at 2022 ASCO Meeting

34. Betty Roggenkamp, Nupur Mittal, Lauren Rynar, Adam DuVall, Jennifer McNeer, Denisse Martinez, Gabriella Roberts, Linda Rivard, Julia Stepenske, Stacy Sanford. When and How do Adolescent and Young Adults want access to supportive care resources. Accepted for Poster at 2022 ASCO Meeting

BOOK CHAPTERS

1. **Nupur Mittal , Paul Kent.** . ‘Long-term survivors of childhood cancer: the late effects of therapy’ . Published ‘Cancer survivors ‘

PEER REVIEWED ORAL PRESENTATIONS

Oral presentation titled “ Utility of pediatric bleeding score to identify children with pathological bleeding” at **HTRS annual symposium** at NW university, Chicago in 04/2009

‘Role of Wnt/ β -catenin pathway in myeloid neoplasms with 5q deletion: A new therapeutic target’ at the **UIC Department of Medicine Scholarly activity day in June 2014**

Oral abstract presentation -Nupur Mittal, Mario Martinez, Johnathan Davidson et al. Improving Access for Adolescents and Young Adults (AYAs) and Underrepresented Minorities with Leukemia to Children’s Oncology Group (COG) Clinical Trials: A Novel Collaborative Approach to Address Disparities in Leukemia at the 2016 ASH meeting .

Nupur Mittal, Liping Li, Zhijian Qian . Epigenetic inactivation of miR-9 in EVI1 high pediatric AML. Midwest Blood Symposium **Amongst Top 10 outstanding research abstracts for poster**

INVITED ORAL PRESENTATIONS (Regional/ National)

ASPHO Meeting 2022 , Workshop Clinical Trials in AYA Oncology: Diversity, Equity, Inclusion, and a collaborative approach. Invited speaker

COG AYA RI Network webinars – Multiple 2019- Current

Childrens Oncology group , Fall meeting 2019 . AYA Session

Children’s Oncology Group . Spring Meeting 2019 . AYA Session . Partnering to Develop, Implement and Assess Local Interventions to Increase AYA Enrollment

Children’s Oncology Group . Fall annual meeting 2018 . AYA Breakout session . Shared barriers and facilitators to AYA clinical trial accrual

Children’s Oncology Group . Fall annual meeting 2018 . DHD committee session . Novel approach to improving clinical trial accrual for underrepresented minorities and AYA patients in three urban inner city hospitals

Exploring new therapeutic targets for therapy related myeloid neoplasms with 5q deletion: Role of Wnt/ β -catenin pathway at the **UIC Department of Pediatrics Research day in november 2014.**

'Non Gastric Marginal Zone Lymphoma of the MALT type with gamma heavy chain disease'- at the **Chicago wide Lymphoma Rounds in November 2013 .**

“Diagnostic utility of various tests in Pleural diseases” of thesis at **RESPICON (National conference of respiratory chapter of Indian academy of pediatrics)** in November 2006.

Clinical case at **First National Neurogenetics Conference at Maulana Azad Medical College in September 2006**

INVITED GRAND ROUNDS

Rush May 7 2019- AYA patients with cancer : A milieu of unique challenges and the way forward

UIC May 3 2019- AYA patients with cancer : A milieu of unique challenges and the way forward

Presence St Mary Medical Center – Sickle cell disease

Rush March 7 2017 “Improving Accrual of Adolescents and Young Adults (AYA) and Underrepresented Minorities to Children’s Oncology Group Clinical Trials: A Novel Collaborative Approach to address cancer disparities “

UIC March 2016 – Extranodal marginal zone lymphoma

INVITED ABSTRACTS/POSTER PRESENTATIONS

1. **Nupur Mittal**, *Paula D James, Susan Shott, Leonard A Valentino*. Utility of pediatric bleeding score to identify children with pathological bleeding. Pediatric Blood and Cancer. May 2009. Presented as poster at **Rush Research Symposium 2009**

2. **Nupur Mittal**, *Paula D James, Susan Shott, Leonard A Valentino*. Utility of pediatric bleeding score to identify children with pathological bleeding. Poster presentation at **UIC annual research day 2009**

3. **Nupur Mittal**, *James Cameron , Jeffrey Ordning , Paul Kent*. Limitations of PET SCAN In Evaluation Of Ewing Sarcoma.Presentation as a poster at the **annual Rush Research Symposium 2013**

4. **Nupur Mittal**, *Paul Kent, Ala Alsaedi, Saman Ibrahim*. Locally advanced clear cell adenocarcinoma (cca) of the cervix/vagina in an adolescent with no diethylstilbesterol (des) exposure with excellent response to neoadjuvant chemotherapy with carboplatin/paclitaxel. Presentation as poster at the **annual Rush Research Symposium 2013**

5. Nupur Mittal, Amber Seba, Vitayli Senyuk, Zhijian Qian. Role of Wnt/ β -catenin pathway in therapy related myeloid neoplasms with 5q deletion: A new therapeutic target. Poster presentation at **Department of Medicine Scholarly activity day in June 2014**

6. Nupur Mittal, Amber Seba, Vitayli Senyuk, Zhijian Qian. Role of Wnt/ β -catenin pathway in therapy related myeloid neoplasms with 5q deletion: A new therapeutic target. Poster presentation at UIC **Department of Pediatrics Research day in November 2014**

7. Nupur Mittal, Paul Kent, Saman Ibrahim. Role of FDG-PET scans in the evaluation of bone sarcomas in children and young adults. Poster presentation at UIC **Department of Pediatrics Research day in November 2014**

8. Nupur Mittal, Bing Zhu, Sujata Gaitonde, Fredrick Behm, Yang Lu, Mary Lou Schmidt. A unique description of Stage IV Extranodal marginal zone lymphoma (EMZL) in an adolescent associated with gamma heavy chain disease (γ HCD) showing excellent response to Bendamustine-Rituximab. Presentation as poster at **Department of Pediatrics Research day in November 2014**

ORAL PRESENTATIONS (Local/Institutional)

Presentations at medical student didactic lectures 2015- Present – 2-3 /year

Presentations at Resident didactic lectures 2015- Present – 2-3/year

Presentations at Fellowship didactic lectures and tumor boards- 2015- Present – 4-5/year

Journal club presented In Pediatric hematology Oncology instructional series in March 2015

Journal club presented In Pediatric hematology Oncology instructional series in December 2014

Oral presentation titled ' Pernicious Anemia in a young adult female' presented at the UIC hematology conference in July 2014

Oral presentation titled ' Large granular lymphocytic leukemia in a 6 yr old child' presented at the UIC hematopathology conference in april 2014

Oral presentation titled ' A rare presentation of leukopenia and anemia In a 6 yr old boy' presented at combined UIC- Rush - Stroger tumor board conference In april 2014

Oral presentation titled ' A rare presentation of diffuse lymphadenopathy in an adolescent : Extranodal Marginal Zone Lymphoma of the MALT type with gamma heavy chain disease' at Grand Rounds at University of Illinois at Chicago on 3/7/14 .

Oral presentation titled 'PNET's In children ' at the combined UIC-Rush-Stroger pediatric hemonc Instructional series in january 2014

Oral presentation titled 'Neutropenia In children ' at the combined UIC-Rush-Stroger pediatric hemonc Instructional series in december 2013

Oral presentation titled 'Acute chest syndrome ' at the combined UIC-Rush-Stroger pediatric Case conference series in october 2013

Oral presentation titled 'oncologic emergencies' at the combined UIC-Rush-Stroger pediatric Instructional series in july 2013.

Oral presentation titled 'primary lymphoma of the bone' at the combined UIC-Rush-Stroger pediatric Tumor board in july 2013.

Oral presentation titled 'pure red blood cell aplasia ' at the combined UIC hemepath conference in may 2013.

Oral presentation titled 'other inherited coagulation disorders' at the combined UIC-Rush-Stroger pediatric oncology instructional series in may 2013.

Oral presentation titled ' pediatric hemonc board review for residents ' at UIC noon conference for residents in april and june 2013

Oral presentation titled 'wilms tumor' at the combined UIC-Rush-Stroger pediatric oncology tumor board in march 2013.

Oral presentation titled 'Germ cell tumors of the CNS' at the combined UIC-Rush-Stroger pediatric oncology tumor board in february 2013.

Oral presentation titled ' AML in children' at the combined UIC-Rush-Stroger pediatric hematology oncology instructional series january 2013.

Oral presentation titled ' Therapy related myeloid neoplasms' at the combined UIC-Rush-Stroger pediatric oncology tumor board in january 2012.

Oral presentation titled ' Relapsed Ewing Sarcoma' at the combined UIC-Rush-Stroger pediatric Oncology tumor board in november 2012.

Oral presentation titled 'thrombotic disorders in children' at the Stroger hospital noon conference for residents in nov 2012

Oral presentation titled 'Transient Myeloproliferative Disorder' at the combined UIC-Rush-Stroger pediatric Oncology tumor board in October 2012.

Oral presentation titled ' Myeloid Sarcoma' at the combined UIC-Rush-Stroger pediatric oncology tumor board in october 2012.

Oral presentation titled ' Transient Myeloproliferative Disorder' at UIC combined hemepath conference in September 2012.

Oral presentation titled ' Myeloid Sarcoma' at UIC combined hemepath conference in august 2012.

Oral presentation titled 'ALL- current therapeutic approaches' at the combined UIC-Rush-Stroger pediatric oncology tumor board in august 2012.

Oral presentation titled 'Childhood Rhabdomyosarcoma' at the combined UIC-Rush-Stroger pediatric oncology tumor board in august 2012.

Oral presentation titled 'Evaluation of utility of standardized sign out for seniors on call in improving patient care' at the Medical College Of Wisconsin annual Quality improvement projects by residents presentation in june 2012

Gave professor rounds at Medical College Of Wisconsin at noon conference in april 2012

Oral presentation in Grand Rounds at UIC describing the quality improvement project 'Patient flow analysis in UIC ambulatory clinic' May 2011

Oral presentation titled 'Post transplant lymphoproliferative disorder' for residents morning lecture at UIC in January 2011

Oral presentation titled ' Diamond Blackfan anemia ' for residents morning lecture at UIC in December 2010

Oral presentation 'AML in Downs syndrome ' at combined UIC hemepath conference in December 2010

MANUSCRIPT REVIEWS

1. Review manuscript titled 'Two Cases of Alpha-Globin Gene Triplication with Presentation of thalassemia Intermedia Phenotype' for 'Journal of Pediatric Hematology Oncology' – August 2012
2. Review manuscript titled ' Stroke in Sickle Cell Anemia Patients: A Need for Multidisciplinary Approaches' for journal 'Atherosclerosis' – November 2012
3. Review manuscript titled 'The '253-kb inversion and deep intronic mutations in UNC13D are present in North American patients with familial hemophagocytic lymphohistiocytosis 3' for Pediatric Blood and Cancer- January 2014
4. Review manuscript titled 'The methylation of CDC2L1 gene promoter region increases the expression of CDK11p58 protein and reduces the apoptosis of keloid fibroblasts' or journal ' Cellular physiology and Biochemistry' – December 2014
5. Review manuscript titled ' MicroRNA 29-b targets Myeloid leukemia factor-1 and modulates myeloid differentiation' for journal ' Hematologica '- January 2015
6. Review manuscript titled 'Diagnostic Utility of 18F-FDG PET/CT in assessment of post-therapy remission or relapse of lymphoma' for Journal of Cancer Research and Treatment- August 2016
7. Reviewed manuscript titled 'A Rare Cause of Neonatal Hemolytic Anemia: Glutathione synthetase deficiency' for Journal of Pediatric hematology Oncology – December 2016
8. Reviewed manuscript titled 'VISCERAL LEISHMANIASIS WITH SECONDARY HEMOPHAGOCYTOSIS IN A SICKLE CELL ANEMIA PATIENT' in American Journal of Medical Case reports
9. Access to early phase clinical trials for children with relapsed and refractory neuroblastoma.A multicentre international study. (PBC-21-1127)
10. Experiences and Perceptions on Transitioning from Pediatric to Adult Care among Patients with Sickle Cell Disease in an NYC Hospital: American journal of case reports
11. Hope Colored Glasses Perceptions of Prognosis Among Pediatric Oncology Patients and their Parents: JCO oncology practice
- 12 Advances in the first line treatment of pediatric acute myeloid leukemia in the Polish Pediatric Leukemia and Lymphoma Study Group from 1983 to 2019 (Cancers)

GRANT REVIEWER

Rush Searle Section Competition grants reviewer 2017 and 2018 .

REVIEWER

American Journal of Clinical Medicine Research
American Journal of Medical Case Reports
Journal of Cancer Research and Treatment
Journal of Pediatric Hematology Oncology
BMJ case reports – On list of peer reviewers
Rush Searle Section Competetion grants reviewer
Journal of Oncology practice
Pediatric blood and cancer
Cancers

GRANTS/ EXTERNAL FUNDING

Heal the Children Institutional Grant from Rush University Medical center for project –
Loss of Measles Humoral Immunity in Pediatric Cancer patients – 2016-2017
PI- Nupur Mittal, MD

“Addressing family challenges faced by parents of AYA cancer patients: Piloting the
‘New Normal’ program”, - CO- PI Heal the children grant Institutional Grant from Rush
University Medical Centre

Coleman Foundation Grant The Coleman Supportive Oncology Collaborative for
Children with Cancer, Rush PI at Rush University Medical Center

Coleman Foundation AYA Supportive Care Collaborative PI

CME Course Director

Coleman foundation AYA symposium
Coleman foundation palliative care symposium
COG meeting AYA RI network webinars

