

## DR. Khaliqur Rahman

Associate Professor  
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### ACADEMIC QUALIFICATIONS

EXAMINATION	YEAR	BOARD/UNIVERSITY	DIVISION
MD Pathology	2008	JNMCH,A.M.U., INDIA	Pass( 1 <sup>st</sup> attempt)
M.B.B.S.	2004	JNMCH,A.M.U., INDIA	1 <sup>st</sup>

### PROFESSIONAL EXPERIENCES AND TRAINING

DESIGNATION	INSTITUTE	DURATION
Associate Professor, Department of Hematology (Lab)	Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow	01.07.2016 till date
Assistant Professor, Department of Hematology (Lab)	Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow	28.06.2013 to 30.06.2016
Observer, Minimal residual disease evaluation by flow cytometry	Yong Loo Lin School of Medicine, NUS, Singapore	16.09.2012 to 30.09.2012
Consultant, Hematopathology	Rajiv Gandhi Cancer Institute and Research centre, New Delhi	16.09.2011 to 27.06.2013
Senior Resident	Tata Memorial Hospital, Mumbai	02.08.2009 to 31.08.2011
Senior Resident	Jawaharlal Nehru Medical College and Hospital, Aligarh	02.09.2008 to 31.07.2009

### PUBLICATIONS

(n=59)	Original articles		Case reports/series		Journals
	National	International	National	International	
Topics					
Haematopathology	4	7	15	5	EJH, CytometryB, IJHBT, IJPM, IJCM, JCRT, IJLH
Histopathology	1	2	8	6	AJGE, IJPM, BMJ, H&N, H&N Path,
Cytopahtology	3	3	3	1	Diag Cyto, Acta Cytol, Journ Cytol

### AREA OF INTEREST

Molecular diagnostic of Hematolymphoid neoplasm.

Advancement in Flow cytometric immunophenotyping and minimal residual disease evaluation

## RESEARCH PROJECTS

1. **Principle Investigator:** 'Evaluation of calreticulin (CALR) & myeloproliferative leukemia virus (MPL) gene mutation profile in myeloproliferative neoplasm and their clinicopathological correlation'. **Intramural project.** SGPGIMS, Lucknow, India, 2017-2019.
2. **Co-investigator:** "Diagnostic and prognostic significance of flow cytometry in Multiple Myeloma". **Intramural project.** SGPGIMS, Lucknow, India, 2017-2019.
3. **Co Investigator:** Frequency and significance of IKAROS mutation in Acute Lymphoblastic leukaemia. **Intramural project.** SGPGIMS, Lucknow, India, 2016-2018.
4. **Principle Investigator:** "Utility of immunofluorescence using anti-PML protein antibody and multicolour flow cytometry for Rapid diagnosis of APML along with their correlation with PCR for PML RARA fusion transcript". **Intramural project.** SGPGIMS, Lucknow, India, 2014-2016
5. **Co-investigator:** "Evaluation of hematopoiesis regulatory molecules in bone marrow mesenchymal stem cells of patients with aplastic anemia". **Intramural project.** SGPGIMS, Lucknow, India, 2017-2019
6. **Co-investigator:** Flow cytometric evaluation of Myelodysplastic syndrome. **Intramural project.** SGPGIMS, Lucknow, India, 2014-2016
7. **Co-investigator:** Minimal residual disease detection in pediatric acute lymphoblastic leukaemia by flow cytometry. **Intramural project;** RGCIRC, New Delhi. 2012-2014

## THESIS/DISSERTATION SUPERVISION WORK

1. **Co Supervisor:** Correlation of bone marrow aspiration immunophenotyping and bone marrow biopsy findings in cases of chronic lymphoproliferative disorder. Thesis of Dr Sujatha Yadav, MD Pathology, SGPGI Lucknow (2015-2018).
2. **Co Supervisor:** Frequency and significance of IKAROS mutation in Acute Lymphoblastic leukaemia. Thesis of Dr Shinto Francis T, DM (Clinical Hematology), SGPGI Lucknow, India (2014-2017)
3. **Co Supervisor.** Morphologic, immunophenotypic and cytogenetic profile along with their correlation in cases of acute myeloid leukemia. Thesis, Dr Neha Seth, DNB Pathology, RGCIRC, New Delhi, India (2012-2015)
4. **Co Supervisor:** Quantitative determination of VCS parameters in acute leukaemia by the coulter automated hematology analyser. A project submitted to Amity institute of biotechnology in partial fulfillment of the requirement for bachelor in technology, Biotechnology.2012. Candidate-Sriyash Mangal. Supervisor- Prof Srivastava

## PRESENT WORK PROFILE

I am presently working as an Associate Professor, in the department of Hematology at Sanjay Gandhi Post Graduate Institute of Medical Sciences (SGPGIMS) Lucknow, UP, India. I joined the department on 28.06.2013, as an Assistant Professor, and continued on the post for 3 years before being promoted to the present designation on 01.07.2016. SGPGIMS is one of the largest tertiary care superspeciality institute of North India. The department of Hematology is a composite department with both clinical as well as laboratory services. We are also one of the few centers in North India which offers the Hematopoietic stem cell transplantation. I am primarily involved in the laboratory diagnosis of hematological disorders. Various laboratory that I manage and validates the reports related to are Morphology Lab, Flow cytometry Lab, Molecular Hematology lab, Myeloma lab, Coagulation lab and transplant biology lab. The morphology lab has an annual workload of approximately 3000 bone marrow specimen. Flow cytometry lab performs Leukemia/lymphoma immunophenotyping (~500/year), MRD analysis (~200/year), FLAER based PNH screening (~400/year) and HSC enumeration (~100/year). Molecular hematology lab routinely carries out BCR-ABL transcript analysis, common fusion transcript analysis of ALL as well as AML, NPM, FLT3, JAK2, TKD mutation analysis. Coagulation lab performs PT, aPTT, factor assays, Anti B2GPI, Platelet function assays. Myeloma lab deals with Serum and protein electrophoresis and immunofixation along with serum free lite chain assay. We also perform SSP

based HLA typing and chimerism analysis. We have active teaching program with DM Hematology, PDCC hemato-oncology and senior residents. I am actively involved teaching and training of these students as well as ongoing research activities in the department.

## **PREVIOUS PROFESSIONAL EXPERIENCES**

### **16<sup>th</sup> September 2011 to 27<sup>th</sup> June 2013**

- Worked as **Consultant Hematopathologist at Rajiv Gandhi Cancer Institute and Research Centre, Rohini, New Delhi.**
- RGCI&RC is a leading tertiary care cancer hospital of India which is recognised by National Board to conduct DNB Pathology course.
- Nature of job includes independently signing out the CBC, Coagulation, Bone marrow aspirate, Bone marrow biopsy, Flow cytometry reports and routine urine and stool examination. I also look after the managerial work of hematopathology, including the quality assurance issues pertaining to NABL and NABH standards. I am regularly involved in teaching and training of DNB students as well as paramedical staffs. I actively participate in the research activities of the lab.

### **August 2010 – August 2011**

- Worked as **Senior Resident in the Hematopathology Laboratory, Department of Pathology at Tata Memorial Centre (TMC), Mumbai.**
- TMC is a tertiary care cancer centre of India. Hematopathology laboratory caters to all the patients of TMC as well as samples from outside. It receives about 5000 bone marrow aspirates, 2500-3000 flow cytometry immunophenotyping and 1500 fluid examination annually. In addition, the daily workload includes 800-900 complete blood counts and 150-200 coagulation profile a day.
- We did flow cytometry for acute leukemia, chronic lymphoproliferative disorder, multiple myeloma, myelodysplastic syndrome and CD 34 stem cell enumeration. Fine needle aspiration of the lymph nodes is also subjected to flow cytometry immunophenotyping.
- Nature of my work included daily signing out of reports (peripheral smears, bone marrow aspirate, flow cytometry), teaching post graduate students, DM medical oncology students and technologists, participating in research works of the laboratory (I was actively involved in two research projects namely, Minimal Residual Disease Detection (MRD) and Inter-laboratory Comparison Programme (proficiency testing program) for immunophenotyping by flow cytometry), organizing and participating as a faculty for the advance CBC course and Flow cytometry course. These were five days comprehensive courses for technologist as well as pathologists (twice annually).

### **August 2009 to July 2010**

- Worked as a **Senior Resident in Surgical pathology, Department of Pathology at Tata Memorial Centre, Mumbai.**
- It is a busy department with annual workload of 48,000 specimens.
- I was posted in various divisions by rotation. I did grossing and reporting of frozen sections. Performed and reported Fine needle aspiration cytology. I was actively involved in signing out of the histopathology reports.
- Immunohistochemistry lab has an extensive panel of antibodies. I got training both in the technical aspects as well as interpretation of the immunohistochemistry.
- I was involved in teaching of post graduate and nursing students and doing research work. One of the research work on sarcomatoid carcinoma of oral lesions got published in an international journal.

### **September 2008 to July 2009.**

- Worked as a Senior Resident in the Department of Pathology, JNMCH, AMU, Aligarh, UP.
- JNMCH is a central government college that has 800 bedded hospital.
- Pathology department caters all the patients of hospitals and has various divisions including a well working blood bank.
- Nature of my work included reporting of the cases, teaching of the undergraduate and post graduate students and doing research work.

### **May 2005 to May 2008.**

- Worked as a MD Pathology student in the Department of Pathology, JNMCH, AMU.
- During this period I was involved in teaching of undergraduate students.
- Did my thesis under the guidance of Dr Rana K Sherwani on "Diagnostic efficacy of intraoperative cytology", that got published in diagnostic cytopathology in 2009.

## **LIST OF PUBLICATIONS**

### **ORIGINAL ARTICLES**

1. **Rahman K**, Gupta R, Harankhedkar S J, Gupta T, Sarkar M K, Nityanand S. Utility of CD157 as a Common Leukocytes Marker for Paroxysmal Nocturnal Hemoglobinuria Screening in a Single Tube 5 Color Combinations. *Ind J of Hematol Blood Transfus* 2017. (Ahead of Print)
2. **Rahman K**, Gupta R, Singh M K, Sarkar M K, Gupta A, Nityanand S. A triple negative profile (CD34/HLADR/CD11b Negative), rapidly and specifically identifies acute promyelocytic leukemia. *International Journal of Lab Hematology* 2017. (Ahead of Print)
3. Gupta R, **Rahman K**, Singh MK, Surabhi, Yadav G, Nityanand S. Utility of a single tube six colour flow cytometry panel for the diagnosis of Myelodysplastic syndrome: Experience of a tertiary care centre in India. *International Journal of Hematology-oncology and Stem cell research* 2017. (Accepted, in press)
4. Gupta R, **Rahman K**, Singh M K, Kumari S, Yadav G, Nityanand S. Clinico-pathological spectrum and novel karyotypic findings in myelodysplastic syndrome: Experience of a tertiary care centre in India. *Mediterranean J of Hematology and Infectious Disease* 2017. (Ahead of Print)
5. **Rahman K**, Kumar P, Singh M K, Gupta R, Nityanand S. Role of CD200 in differential diagnosis of Mature B cell neoplasm. *Int Journal of Lab Hematol* 2017;39: 384-91.
6. **Rahman K**, Gupta R, Hussein N, Yadav G, Singh M K, Kumar P, Nityanand S. Fluorescent Aerolysin (FLAER) based paroxysmal nocturnal hemoglobinuria (PNH) screening- a single centre experience from India. *Int J Lab Hematol* 2017; 39(3):261-71.
7. Shahid M, Zaheer S, Mubeen A, **Rahman K**, Sherwani R K. The role of intraoperative cytology in the diagnostic evaluation of ovarian neoplasm. *Acta Cytologica* 2012; 56:467-73.
8. **Rahman K**, Subramanian PG, Kadam P A, Galani K, Gadage V, Mittal N et al. Morphological spectrum of leukemic mantle cell lymphoma. *Indian Journal of Pathology Microbiology* 2012;55:66-71
9. Galani K, Subramanian PG, Gadage V, **Rahman K**, Mittal N, Kumar A et al. Hairy cell leukemia, clinical and pathological features.. *Indian Journal of Pathology Microbiology* 2012;55:61-5.
10. Gupta A, **Rahman K**, Shahid M, Kumar A, Qaseem S M D, Hasan S A et al. Sonographic assessment of cervical lymphadenopathy: Role of high resolution and color doppler imaging. *Head and Neck* 2011;33(3):297-302.
11. Vishwanathan S, **Rahman K**, Suryavanshi P, Johri S, Patil A, Chaturvedi P et al. Sarcomatoid (spindle cell) carcinoma of head and neck mucosal region: a clinic-pathological review of 103 cases from a tertiary referral cancer centre. *Head and neck Pathology* 2010;4:1-11.
12. **Rahman K**, Siddiqui F A, Zaheer S, Sherwani M K A, Shahid M, Sherwani RK. cytology- Role in bone lesions. *Diagnostic Cytopathology* 2010;38(9):639-44.
13. Shah S, **Rahman K**, Siddiqui F A, Akhtar K, Zaheer S, Rana K Sherwani. Bone Lesions -Role of Sediment Cytology. *Diagnostic Cytopathology* 2009;37(6):397-401.
14. Siddiqui FA, Akhtar K, Sherwani RK, **Rahman K**, Alam F, Ansari A. Intraoperative Prevalence of Hepatitis C virus in Aligarh. A seven year experience. . *Indian Journal of Community Medicine* 2009;34(3):264-5.
15. Akhtar K, Sherwani RK, **Rahman K**, Hasan J M, Shahid M. HemoCue photometer: A better alternative of hemoglobin estimation in blood donors?. *Indian J Hematol Blood Transfus* 2008.24(4):170-2.
16. Hasan M, Ashraf S, Siddiqui FA, Jamal A, **Rahman K**, Kumar A. Lymph node aspiration cytology: a useful tool in evaluating the cause of lymph node enlargement. *Indian Journal of Bio Research*. 2008;58:124-8.
17. Sherwani R K, Alam S, Akhtar K, Abid B, **Rahman K**, Mehdi R. Prevalence of iron deficiency anemia in chronic diarrhea and celiac disease- a western UP experience. *Indian Journal of Hematology and Blood Transfusion* 2008;24(1):12-5.
18. Sherwani R, Khan T, Akhtar K, Zeba A, Siddiqui FA, **Rahman K** et al. Conventional Pap smear and liquid based cytology for cervical cancer screening- A comparative study. *Journal of Cytology* 2007;24(4):267-72.
19. Sherwani RK, **Rahman K**, Akhtar K, Alam F, Beg S, Gupta A, Ahmad AJ. Histomorphological abnormalities of placenta in low birth weight babies. *Indian Medical Gazette* December 2007; CXXI (12):474-478.
20. **Rahman K**, Sherwani RK, Azam Q, Sabir AB, Abbas M, Sherwani MKA. Role of intraoperative cytology in bone lesions. *Surgery* 2007; 17(22):33-37.

### **CASE REPORTS**

21. Gupta R, Mittal N, Rahman K, Sharma Akhilesh, Singh P, Sanjeev, Nityanand S. Rare BCR-ABL1 transcript in a RUNX1-RUNX1T1 positive de novo acute myeloid leukemia: The chicken and egg tale
22. Mittal N, Gupta R, **Rahman K**, Gupta T, Nityanand S. Co-existence of myeloid neoplasm and monoclonal gammopathy; case series and review of literature. *Hematology Oncology and Stem cell therapy*. 2017. Accepted
23. Gupta T, Gupta R, Mittal N, **Rahman K**, Nityanand S. B-acute Lymphoblastic Leukemia with Bright CD45 and Moderate Side Scatter Simulating Monocytoid Population: An Unusual Phenotype. *Indian J Hematol Blood Transfus* (2017). <https://doi.org/10.1007/s12288-017-0896-7>
24. Mittal N, Gupta R, **Rahman K**, Singh P, Nityanand S. A case of paraneoplastic hyperleukocytosis closely mimicking chronic neutrophilic leukaemia. *Journal of Cancer research and Therapeutics* 2016. (Ahead of print)
25. Kumar P, **Rahman K**, Surabhi, Singh MK, Gupta R, Nityanand S. Priapism as a presentation of CML. *Journal of Cancer research and Therapeutics*. 2016, Ahead of Print.
26. **Rahman K**, Manish K Singh, Ruchi Gupta, Sarjana Dutt, Soniya Nityanand. De novo Philadelphia Chromosome positive Myelodysplastic Syndrome: report of two cases with review of literature. *Journal of Cancer research and Therapeutics*. 2016, Ahead of Print. (IF-0.778)
27. **Rahman K**, Kumari S, Gupta R, Singh MK, Yadav G, Kumari N et al. Atypical Presentation of Hairy cell Leukemia- Role of CD200. *Journal of Cancer research and Therapeutics* 2016, Ahead of Print.

28. Gupta R, Singh MK, **Rahman K**, Sharma S. Microangiopathic Hemolytic anemia associated with bone marrow metastasis in a 12 Yr child.. *Bone marrow research* 2016;4:2
29. Gupta R, Aggarwal G, **Rahman K**, Singh MK, Nityanand S. Acute myeloid leukemia following radioiodine therapy: Case report and brief literature review. *Clin Cancer Investig J* 2016; 5:246-9.
30. Singh MK, Gupta R, **Rahman K**, Sanjeev, Sharma A, Nityanand S. Co-existence of AML1-ETO and BCR-ABL1 transcripts in a relapsed patient of acute myeloid leukemia with favorable risk group: A coincidence or clonal evolution? *Hematol once stem cell therapy* 2017; 10:39-41.
31. Gupta R, Singh MK, **Rahman K**, Nityanand S. De Novo Philadelphia Positive Acute Myeloid Leukemia with extensive basophilia: a diagnostic dilemma. *Indian Journal of Hematology Blood Transfusion*. e pub. 2016;32(Supplement 1): 86-8.
32. Yadav G, **Rahman K**, Gupta R, Nityanand S. Neutrophil Erythrocyte Rosettes: An unusual manifestation of Autoimmune Hemolytic Anemia. *Indian Journal of Hematology and Blood Transfusion* 2016;32(Supplement 1): 309-10.
33. Qayoom K, Durga G, George S, **Rahman K**. Blastic plasmacytoid Dendritic cell neoplasm with primary leukemic involvement without cutaneous lesion- Report of a case with brief literature review. *Ind J Pathol Microbiol* 2015;58(2):377-80.
34. **Rahman K**, Kamboj M, Khurana A, Qayoom S. 8p11 Myeloproliferative syndrome (EMS) a report of this rare clinical entity. *Ind J Pathol Microbiol* 2015;58:254-5.
35. Surabhi, **Rahman K**, Singh MK, Gupta R. Leishmania donovani bodies in neutrophils on a Peripheral blood smear examination – Report of an unusual incident in a clinically unsuspected case. *Ind J Pathol Microbiol* 2015;58:262.
36. Singh MK, Gupta R, Surabhi, **Rahman K**. Auer rods in polymorphs in a case of acute myeloid leukemia. *Clin Cancer Inv Journal* 2015;4(3); 476-8.
37. Gupta R, Hussain N, **Rahman K**, Nityanand S. Plasma cell myeloma with unusual morphology–A series of 6 cases. *European Journal of Haematology* 2014; 93: 165–170.
38. Kumar D, Dutt S, Panigrahi MK, **Rahman K**, Dewangan D, Mehta A. Atypical BCR-ABL fusion transcript (e6a2) in pediatric acute lymphoblastic leukemia.. *International Journal of Case Reports and Images* 2014;5(1):45–9
39. **Rahman K**, George S, Mangal S, Mehta A. Simultaneous occurrence of chronic myeloid leukemia and chronic lymphocytic leukemia: Report of an unusual case. *Indian J Pathol Microbiol* 2013;56:453-6.
40. **Rahman K**, George S, Tewari A, Mehta A. Mixed phenotypic acute leukemia with two immunophenotypically distinct blast population (B&T)- report of an unusual case.. *Cytometry Part B (Clinical Cytometry)* 2013;84B:198–201
41. Ahmad SS, Zaheer S, **Rahman K**, Latif Zafar Jilani, Amit Kumar, Mohd Jaseem Hasan, Rana K Sherwani Ewings Sarcoma of Hand- An experience of a case. *Iranian Journal of Pathology* 2013;8(2):119- 122.
42. **Rahman K**, George S, Sardana M, Mehta A. Microfilariae with Acute Myeloid Leukemia- A common parasite with uncommon association.. *Indian J Hematol Blood Transfus* 2013, 29(2):113–115
43. **Rahman K**, Menon S, Patil A, Desai SB, Bakhshi G. A rare case of plasmacytoid urothelial carcinoma of bladder: diagnostic dilemmas and clinical implications. *Indian journal of urology* 2011;27:144-6
44. Mehdi G, Ansari H, Sherwani RK, **Rahman K**, Akhtar N. Ovarian Steroid Cell Tumor: Correlation of Histopathology with Clinicopathologic Features. *Pathology Research International* 2011, Article ID 987895, 5 pages, 2011. doi:10.4061/2011/987895
45. Sherwani RK, Kumar A, **Rahman K**, Rabbani T. Autosomal recessive polycystic kidney disease: the importance of autopsy suspected cases and genetic counseling. *BMJ case reports* 2010. DOI 10.1136/bcr.03.2010.2843
46. **Rahman K**, Naim M, Farooqui MR, Mycetoma of hand- an unusual presentation. *The Internet Journal of Dermatology* 2010 Volume 8 Number 1.
47. Ahmad SS, Hassan MJ, Anees A, **Rahman K**, Zaheer S, Qaseem SMD. Hydatid Disease of the Intestine Manifesting as Acute Abdomen: A Case Report. *Am J Gastroenterol* 2010; 105:961–962
48. Sherwani RK, Zaheer S, **Rahman K**, Kumar A, Hasan A. Adenoid cystic carcinoma of nasal cavity- an experience with review of literature. *Indian medical gazette* 2009 ;CXLIII(3):107-110.
49. Sherwani RK, Zaheer S, Sabir AB, Goel S, **Rahman K**. Thoracic vertebral intraosseous hemangioma with spinal cord compression: A rare presentation. *The Internet Journal of Pathology* 2009; volume 8 number 2.
50. Arif SH, **Rahman K**, Khilaid M, Hassan MJ, Qaseem SMD, Huda MF. Epithelioid cell cluster in Cerebrospinal fluid: An unusual finding in tubercular meningitis. *Diagnostic cytopathology*. 2009.; 596 – 599
51. Zafar U, **Rahman K**, Shahid M, Sherwani RK. Microfilariae in bone marrow aspirate: - a case report.. *Indian J Hematol Blood Transfus* 2009; 25(1):4243
52. Sherwani RK, Akhtar K, **Rahman K**, Hassan J, Rashid S. Pregnancy in Rudimentary Uterine Horn- An unusual presentation. *Indian Medical Gazette*. January 2009; CXLIII (1). 36-37.
53. Siddiqui FA, **Rahman K**, Shahid M, Rizvi SAA, Sherwani RK. Tubercular mastitis as an incidental finding in breast carcinoma- a case report. *Indian Medical Gazette* 2008, vol. CXLII (12): 488-490.
54. Ahmad SS, Hassan MJ, Akhtar K, Arif SH, Naim M, **Rahman K**. Microfilariae in Testicular Fine Needle Aspiration Biopsy. *JK Sciences* 2008; 10 (4): 199-200.
55. Arif SH, Sherwani RK, Alam K, **Rahman K**, Beg MH. Giant cell tumor of rib – A rare entity. *Indian Medical Gazette* 2008; CXLII (5): 208 to 210.
56. Sherwani RK, Zaheer S, **Rahman K**, Kumar A, Sabir AB. Ewings sarcoma of Os calcis (calcaneum) with Review of literature-An unusual presentation and potential diagnostic pitfalls. *Indian Medical Gazette* 2008; CXLII (04):157-160.
57. Sherwani RK, Varshney BK, Maheshwari V, **Rahman K**, Khan MA . Idiopathic Calcinosis of scrotum- cytological diagnosis of a case. *Journal of cytology* 2008; 25(1):23-24.

58. Sherwani RK, **Rahman K**, Akhtar K, Siddiqui FA, Varshney BK, Sherwani MKA. Malignant hemangiopericytoma- gluteal region; a rare entity. *Indian Journal of Pathology and Microbiology* 2008; 5 1(1):39-41.
59. Sherwani RK, **Rahman K**, Akhtar K, Zaheer S, Hassan MJ, Haider A. Leiomyoma of scrotum-A case report. *Indian Journal of Pathology microbiology* 2008; 5 1 (1):72-73.

#### **IN COMMUNICATION**

- 1) Pradeep Kumar, **Khaliquir Rahman**, Manish K Singh, Ruchi Gupta, Soniya Nityanand. Primary prostatic NHL- report of an unusual case. *Journal of cancer research and therapeutics*
- 2) **Khaliquir Rahman**, Shivangi Harankhedkar, Ruchi Gupta, Tanvi Gupta, Soniya Nityanand. Microfilariae in a case of myelofibrosis. A cause or an association. *Journal of Cancer research and therapeutics*.

#### **INVITED TALKS AS FACULTY IN CONFERENCES**

1. Standardization of B ALL MRD and clinical data presentation- Experience from SGPGI. *Presented in* 13<sup>th</sup> Advanced clinical cytometry course with MRD theme. 9<sup>th</sup> to 12<sup>th</sup> May 2017. ACTREC (TMC), Kharghar, Mumbai. India
2. "Approach to Bleeding Disorders." CME cum Workshop on Hemophilia, Department of Transfusion Medicine. SGPGI, Lucknow, India. 28-29th April 2017
3. Flow Cytometry in Acute Leukemia. *Presented in* Clinical Workshop on Flow cytometry. 8th and 9th September 2016. Dr RMLIMS, Lucknow India.
4. Flow cytometry based MRD analysis in acute lymphoblastic leukemia. *Presented in* CME and workshop on Flow Cytometry. 11 August 2016, KGMU, Lucknow.
5. Flow cytometry based immunophenotyping of haematological neoplasm. A case based discussion. *Presented in* Quarterly meeting of Lucknow Pathology group. 30th January 2016. Lucknow Cancer Institute. Lucknow. India
6. How to work up a case of AML in this molecular era. *Presented in* Highlights of ICML-EHA, 11th July 2015. SGPGI, Lucknow, India
7. Polycythemia Vera: Pathophysiology and Diagnosis. *Presented in* CME on Polycythemia Vera. Command Hospital. 23rd May 2015
8. Minimal Residual Disease in Pediatric ALL- Case based discussion. *Presented in* 1st Indian Cancer Congress. Nov 2013, New Delhi, India
9. Basics of Flow Cytometry. *Presented in* Multiparametric Flow cytometry workshop. 20-22 September 2013, SGPGI, Lucknow, India
10. Minimal residual disease detection in B ALL. *Presented in* Multiparametric Flow cytometry workshop. 20-22 September 2013, SGPGI, Lucknow, India

#### **ORAL PAPER/ POSTERS PRESENTED IN CONFERENCES**

##### **As presenting author:**

1. Minimal Residual Disease Monitoring by Single Tube Eight Color Flow Cytometry in B Cell Acute Lymphoblastic Leukemia- A Single Centre Experience. Khaliquir Rahman, Ruchi Gupta, Parshw Singh, Anshul Gupta, Rajesh Kashyap, Soniya Nityanand. Annual TCS meeting 2017, Trivendrum, India
2. PNH clone in pediatric aplastic anemia- A Single centre experience from North India. Khaliquir Rahman, Ruchi Gupta, Navkirti Mittal, Anshul Gupta, Tanvi Gupta,
3. Clinicopathological profile and role of flow cytometry in the diagnosis of myelodysplastic syndrome: An experience of a tertiary care centre of north India. **Khaliquir Rahman**, Ruchi Gupta, Manish K Singh, Geeta Yadav, Surabhi Kumari, Pradeep Kumar, Soniya Nityanand. *ASH* 2016, (Abstract no 2003). 3-6 Dec 2016
4. Screening of Paroxysmal Nocturnal Hemoglobinuria clone using FLAER based flow cytometry- A single centre experience of 624 cases from North India. **Khaliquir Rahman**, Nosad Hussain, Geeta yadav, Ruchi Gupta, Manish Kumar Singh, Surabhi, Sanjeev, Soniya Nityanand. HAA 2016, Melbourne, Australia. 13-16<sup>th</sup> November 2016
5. Diagnostic Utility of CD200 Mature B Cell neoplasm. **Khaliquir Rahman**, Pradeep Kumar, Geeta Yadav, Manish Kumar Singh, Ruchi Gupta, Soniya Nityanand. HAA 2016, Melbourne, Australia. 13-16<sup>th</sup> November 2016.
6. The Triple Negative profile (CD34/HLADR/CD11b) rapidly and specifically identifies an APL. **Khaliquir Rahman**, Ruchi Gupta, Manoj K Sarkar, Anshul Gupta, Soniya Nityanand. HEMATOCON 2016, Jaipur India. 10<sup>th</sup> – 13<sup>th</sup> November 2016
7. Flow cytometric immunophenotyping of lymph node aspirates as a rapid modality for diagnosis and classification of hematolymphoid neoplasm. **Khaliquir Rahman**, Ruchi Gupta, Manish K Singh, Shivangi Harankhedkar, Tanvi Gupta, Soniya Nityanand. *Lymphoma Update*. International CME, organised by RGCIRC, New Delhi 14-15th March 2016
8. Utility of CD200 in diagnosis of Mature B Cell neoplasm. Khaliquir Rahman, Pradeep Kumar, Geeta Yadav, Manish Kumar Singh, Ruchi Gupta, Soniya Nityanand. *APCON* 2015. 3rd-6th December 2015. Kochi, Kerala, India
9. BCR-ABL positivity in acute lymphoblastic leukaemia. An experience from a tertiary care centre. Khaliquir Rahman, Akhilesh Sharma, Ashish Misra, Ruchi Gupta, Manish K Singh, Sanjeev, Soniya Nityanand. *Hematocon* 2015. 5th -8th Nov 2015, Bangalore, Karnataka, India
10. FLAER based screening of Paroxysmal Nocturnal Hemoglobinuria. Khaliquir Rahman, Nosad Hussain, Geeta yadav, Ruchi Gupta, Manish Kumar Singh, Surabhi, Sanjeev, Soniya Nityanand. 20<sup>th</sup> Congress of EHA, 11-14<sup>th</sup> June 2015, Vienna, Austria
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I verify that the information contained within this Curriculum Vita is true to the best of my knowledge on 30.12.2017

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