

CURRICULUM VITAE

Tahir Shamsi, MBBS, MRCPPath, FRCPath

National Institute of Blood Diseases
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D.O.B. 18.02.1962

NATIONALITY Pakistani

IMMIGRATION STATUS Hold Pakistani Passport

SEX Male

ADDRESS (Home) 30/II, 10th Commercial Street, Phase-IV, D.H.A., Karachi, Pakistan

REGISTRATION: Pakistan Medical & Dental Council, Full Reg. No 15788 – S

CME accreditation: College of Physicians & Surgeons, Pakistan

Professional Experience:

- Jul 2008 – Jul 2018* **Medical Director**
National Institute of Blood Diseases and Bone Marrow Transplantation,
Haematology
Karachi, Pakistan
- Feb 1999 – Jun 2003* **Assistant Professor of Haematology & Consultant Haematologist**
Sindh Institute of Urology and Transplantation, Haematology
Karachi, Pakistan
- Jan 1995 – Jan 1999* **Assistant Professor of Clinical Haematology & Director of Bone Marrow Transplant Programme**
Ziauddin University, Clinical Haematology & BMT
Karachi, Pakistan
- Jan 1995 – Jan 1999* **Professor (Assistant) Clinical Haematology & Director of BMT programme**
Dr. Ziauddin Hospital, Clinical Haematology & BMT
Karachi, Pakistan

FCPS STUDENTS SUPERVISED

S.NO.	NAME OF STUDENT	INSTITUTION	PERIOD
1	Munira Borhany	SIUT	2001 - 2006
2	Humaira Ma'arroof	SIUT	2001 - 2005
3	Afshan Awaisi	SIUT	2001 - 2005
4	Kashif Shaikh	BTIHS	2006 - 2010
5	Zaen Pahore	BTIHS	2006 - 2010
6	Saima Siddiqui	NIBD	2007 - 2011
7	Meena Kumari	NIBD	2007 - 2011
8	Zeeshan ul Qadr	NIBD	2008 - 2012
9	Khaliqunnisa	NIBD	2008 - 2012
10	Uzma Zaidi	NIBD	2009 - 2013
11	Nida Anwar	NIBD	2010 - 2014
12	Nadeem Samad	NIBD	2010 - 2012
13	Samar Khurram	NIBD	2011 - 2014

Workshops and courses organized and conducted

1	1995	Workshop on Paediatric Haematology	CPSP, Karachi. 1995 (Conducted by Dr Richard Stevens UK)
2	1996	Workshop on Blood and Bone Marrow morphology	CPSP, Karachi 1996 (Conducted by Dr Barbara Bain UK)
3	2003	Workshop on Haematology Histogram	CPSP (conducted by myself)
4	2003	Workshop on Flowcytometry	CPSP (conducted by myself & Dr Saba Jamal)
5	2008	Advanced course on haematology	Children hospital Lahore, organized by PSH in collaboration with CPSP

Services for the College of Physicians & Surgeons Pakistan

1. Basic medical science course
 - Involvement in delivering lectures on haematology in BMS courses for FCPS-1(2000 onward)
2. Participated in monthly haematology morphology meeting in CPSP Pathology department (1996 onward)
3. Member of the committee for haematology curriculum development (2007-2008)
4. Reviewer for the JCPSP (1999 onward)
5. Reviewer of the Dissertation for RTMC (2001 onward)
6. Paper setting for FCPS haematology (2001 onward)
7. Paper setting for FCPS clinical haematology (2006 onward)
8. Invigilator for theory exams (2001 onward)
9. Assessor of theory papers for (2002 onward)
 - b. Haematology
 - c. Clinical haematology
10. Examiner for FCPS haematology (2001 onward)
11. Examiner for FCPS clinical haematology (2007 onward)
12. Convenor for FCPS haematology (2007 onward)
13. Convenor for FCPS clinical haematology (2007 – 2009)

Professional Membership:

1. Pakistan Society for Haematology (member, executive council)
2. Pakistan Society of Clinical Oncology
3. Asian-Pacific Bone Marrow Transplant Group (member, scientific committee)
4. Center for International Blood & Marrow Transplant Registry
5. Pakistan Paediatric Association
6. Pakistan Society of Physicians
7. Pakistan Association of Pathologists
8. American Society of Hematology

Community Work (Welfare Societies Membership):

1. NIBD Welfare Society (General Secretary)

RESEARCH & ETHICAL RESPONSIBILITIES:

- 1 Member, Central Ethics Committee,
Karachi

EDITORIAL RESOPONSIBILITIES:

Editor-in-Chief

National Journal of Health Sciences

Member Editorial Board,

1. World journal of Transplantation
2. International Journal of Pathology
3. National Journal of Health Sciences

Reviewer for the following journals,

1. Journal of Pakistan Medical Association
2. Journal of College of Physicians & Surgeons Pakistan

TEACHING COMMITMENTS:

As a faculty member, I have been involved in undergraduate teaching MBBS & BDS and postgraduate training and teaching FCPS, students.

Clinical years	Blood – Pathologic basis of diseases Diagnosis and Management of Blood disorders Stem Cells biology Haemoglobinopathy Haemostasis
Postgraduates	Supervisor for FCPS Haematology, College of Physicians & Surgeons Pakistan.

RESEARCH FIELDS:

Thrombosis/haemostasis (bleeding disorders),
stem cell biology,
Leukaemogenesis,
molecular genetics of haemoglobin disorders

GRANTS:

NNHF Grant PK1 (2007-2010) NNHF grant PK4 (2010 - 2012), HEC grant (2009-2011), HEC grant (2010-2011), Bayer Healthcare grant (2009-2010), NIBD grant (2008-2009), GSK grant (2007-2008), BTIHS grant (2004-2006). Fresenius Grant (2013-2016)

PUBLICATIONS:

Articles in peer reviewed journals: 111

Abstracts: 81

Book Chapters: 22

Book authored: 1

Book editor: 4

AWARDS: 1

Pakistan Society of Clinical Oncology year award 2003

Life Time Achievement Award 2016 (From DOGANA USA)

INVITED LECTURES: 169

CAREER PLANS:

To develop National Institute of Blood Disease & Bone Marrow Transplantation as a centre of excellence for teaching, training and research in the field of haematology, bone marrow transplantation and stem cell therapy.

PUBLICATIONS:

Papers in Journals:

1. Aisha Arshad, Munira Borhany, Nida Anwar, Imran Naseer, Rehan Ansari, Samson Boota, Naveena Fatima, Mustansir Zaidi, Tahir Shamsi: Prevalence of transfusion transmissible infections in blood donors of Pakistan. 11/2016; 16(27). DOI:10.1186/s12878-016-0068-2
2. Khurram S, Borhany M, Anwar N, Naseer I, Boota S, Mirza I, Nadeem M, Tahir Shamsi: Frequency and reasons of donor deferral prior to blood donation process: a single centre experience. *Transfusion Medicine* 10/2016; DOI:10.1111/tme.12368.
3. Nida Anwar, Muhammad Nadeem, Saira Shan, Tahir Shamsi: Eosinophilia with PDGFRB Gene Rearrangement and Isolated Del 5q; an Extremely Rare Presentation of Myeloid Neoplasm. *Acta Medica International* 10/2016; 4(1). DOI:10.5530/ami.2017.4.2
4. M. Taj, M. Nadeem, S. Maqsood, T. Shah, T. Farzana, Tahir Shamsi: Validation of MASCC Score for Risk Stratification in Patients of Hematological Disorders with Febrile Neutropenia. *Indian Journal of Hematology and Blood Transfusion* 10/2016; DOI:10.1007/s12288-016-0730-7
5. Musharraf SG, Siddiqui AJ, Shamsi T, Choudhary MI, Rahman AU: *Sci Rep.* 2016 Aug 2;6:30693. doi: 10.1038/srep30693.. *Scientific Reports* 08/2016; DOI:10.1038/srep30693.
6. Syed Ghulam Musharraf, Amna Jabbar Siddiqui, Tahir Shamsi, M. Iqbal Choudhary, Atta-ur Rahman: Serum metabolomics of acute leukemia using nuclear magnetic resonance spectroscopy. *Scientific Reports* 08/2016; 6. DOI:10.1038/srep30693
7. M Napolitano, M N D Di Minno, A Batorova, A Dolce, M Giansily-Blaizot, J Ingerslev, J-F Schved, G Auerswald, G Kenet, M Karimi, T Shamsi, A Ruiz de Sáez, R Dolatkhah, A Chuansumrit, M A Bertrand, G Mariani: Women with congenital factor VII deficiency: clinical phenotype and treatment options from two international studies. *Haemophilia* 06/2016; 22(5). DOI:10.1111/hae.12978
8. Mehresh Taj, Tayyaba Shah, Syeda Kanwal Aslam, Sidra Zaheer, Faryal Nawab, Sumaira Shaheen, Kashif Shafique, Tahir Sultan Shamsi: Environmental determinants of aplastic anemia in Pakistan: a case-control study. 06/2016; 24(5). DOI:10.1007/s10389-016-0743-6
9. Syed Ghulam Musharraf, Amna Jabbar Siddiqui, Tahir Shamsi, Arshi Naz: SERUM metabolomics of acute lymphoblastic leukaemia and acute myeloid leukaemia for probing biomarker molecules. *Hematological Oncology* 06/2016; DOI:10.1002/hon.2313
10. Shahab S, Zahid D, Ahmed S, Nadeem M, Farzana T, Taj M, Ahmed N, Shamsi TS: Outcome of Inversion 16 in TKD Positive and Negative Acute Myeloid Leukemia

Patients.. Asian Pacific journal of cancer prevention: APJCP 06/2016; 17(4).
DOI:10.7314/APJCP.2016.17.4.2343

11. M Giansily-Blaizot, N Kolaitis, M Borhany, G Moulis, O Guillot, T Shamsi: Two new double mutant alleles of the F7 gene and a literature review on alleles with two mutations in FVII deficiency. *Haemophilia* 05/2016; DOI:10.1111/hae.12897
12. Shaista Shabbir, Muhammad Nadeem, Abdul Sattar, Iffat Ara, Saqib Ansari, Tassneem Farzana, Mehwish Taj, Munira Borhany, Saima Manzir, Uzma Zaidi, Jawad Hassan, Arshi Naz, Tahir Shamsi, Udo Schumacher: Type and frequency of haemoglobinopathies, diagnosed in the area of Karachi, in Pakistan. 05/2016; DOI:10.1080/2331205X.2016.1188875
13. Arshi Naz, Samina Naz Mukry, Mahwish Rauf Shaikh, Ali Raza Bukhari, Tahir Sultan Shamsi: Importance of immature platelet fraction as predictor of immune thrombocytopenic purpura. *Pakistan Journal of Medical Sciences Online* 04/2016; 32(3).
14. Munazza Rashid, Rifat Zubair Ahmed, Shariq Ahmed, Muhammad Nadeem, Nuzhat Ahmed, Tahir Sultan Shamsi: Coexisting JAK2V617F and CALR Exon 9 Mutation in Essential Thrombocythemia. *Indian Journal of Hematology and Blood Transfusion* 02/2016; 32(Suppl 1). DOI:10.1007/s12288-016-0658-y
15. Chang F, Shamsi TS: Clinical and Hematological Profile of Acute Myeloid Leukemia (AML) Patients of Sindh.
16. Bushra Kaleem, Sadaf Shahab, Nuzhat Ahmed, Tahir Sultan Shamsi: Chronic Myeloid Leukemia - Prognostic Value of Mutations. *Asian Pacific journal of cancer prevention: APJCP* 12/2015; 16(17). DOI:10.7314/APJCP.2015.16.17.7415
17. Muhammad Zohaib, Saqib H Ansari, Zehra Hashim, Tahir S Shamsi, Shamshad Zarina: Serum Paraoxonase Activity and Malondialdehyde Serum Levels Remain Unaffected in Response to Hydroxyurea Therapy in β -Thalassemia Patients. *The Journal of Clinical Pharmacology* 11/2015; DOI:10.1002/jcph.675
18. Zunaira Rafiq, Mehresh Taj, Sidra Maqsood, Tahir Shamsi: Myelodysplastic Syndromes in Pakistani Population- Analysis of 52 Cases and their Outcome on Best Available Treatment Options.
19. Alireza Haghighi, Munira Borhany, Arash Ghazi, Noel Edwards, Ayla Tabakert, Amirreza Haghighi, Naveena Fatima, Tahir S Shamsi³ and John A. Sayer: Glanzmann thrombasthenia in Pakistan: Molecular analysis and identification of novel mutations. *Clinical Genetics* 08/2015; DOI:10.1111/cge.12622
20. Saira Shan, Muhammad Nadeem, Tabbassum Ara, Tahir Shamsi: A 3-way Rare Variant Ph Translocation t(7;9;22) in a patient with Chronic Myeloid Leukemia. *Acta Medica International* 07/2015; 2(2). DOI:10.5530/ami.2015.5.4

21. M. Taj, T. Farzana, T. Shah, S. Maqsood, S. S. Ahmed, T. S. Shamsi: Clinical and Microbiological Profile of Pathogens in Febrile Neutropenia in Hematological Malignancies: A Single Center Prospective Analysis. *Journal of Oncology* 07/2015; 2015(12). DOI:10.1155/2015/596504
22. M Borhany, C Delbes, M Giansily-Blaizot, M Zubair, M S Ahmed, N Fatima, T Shamsi: A new report of FVII-inhibitor in a patient suffering from severe congenital FVII deficiency. *Haemophilia* 05/2015; 21(4). DOI:10.1111/hae.12708
23. U Zaidi, M Borhany, S Ansari, S Parveen, S Boota, I Shamim, D Zahid, T Shamsi: Red cell alloimmunisation in regularly transfused beta thalassemia patients in Pakistan: Red cell alloimmunisation. *Transfusion Medicine* 04/2015; 25(2). DOI:10.1111/tme.12196
24. H. Handrkova, M. Borhany, V. Schroeder, N. Fatima, A. Hussain, T. Shamsi, H. P. Kohler: Identification of two novel missense mutations causing severe factor XIII deficiency. *Haemophilia* 03/2015; 21(3). DOI:10.1111/hae.12663
25. Sadaf Shahab, Zeeshanul Qadar, Muhammad Nadeem, Danish Zahid, Saqib Ansari, Tasneem Farzana, Mehresh Taj, Munira Borhany, Nuzhat Ahmed, Tahir S. Shamsi: Overall Survival in Acute Myeloid Leukaemia Patients with and without Internal Tandem Duplication. *Asian Pacific journal of cancer prevention: APJCP* 02/2015; DOI:10.7314/APJCP.2015.16.1.381
26. Rosanna Asselta, Manuela Platè, Michela Robusto, Munira Borhany, Ilaria Guella, Giulia Soldà, Abdolreza Afrasiabi, Marzia Menegatti, Tahir Shamsi, Flora Peyvandi, Stefano Duga: Clinical and molecular characterisation of 21 patients affected by quantitative fibrinogen deficiency. *Thrombosis and Haemostasis* 11/2014; 113(2). DOI:10.1160/TH14-07-0629
27. Mehresh Taj, Rizwan Nabi Qureshi, Tasneem Farzana, Tahir S. Shamsi, S. S. Ahmed: Response of First-Line Antibiotic Therapy in Patients with Febrile Neutropenia During Treatment of Hematological Disorders. *Indian Journal of Hematology and Blood Transfusion* 09/2014;
28. Mehresh Taj, Tahir Sultan Shamsi, Saqib Hussain Ansari, Tasneem Farzana, Arshi Nazi, Muhammad Nadeem, Rizwan Nabi Qureshi, Kashif Sheikh, Jawwad Hasan Kazmi: Epidemiologic and HLA Antigen Profile in Patients with Aplastic Anemia. *Journal of the College of Physicians and Surgeons--Pakistan: JCPSP* 08/2014; 24(8).
29. M. Borhany, M. Robusto, N. Fatima, T. S. Shamsi, R. Asselta, S. Duga, F. Peyvandi: Congenital fibrinogen deficiency in Pakistan and identification of five novel mutations. *Journal of Thrombosis and Haemostasis* 06/2014; 12.
30. Naz, M. Neerman-Arbez, V Ivaskevicius, T. N. Khan, S. Ahmed, P. de Moerloose, J. Oldenburg, S. Tariq, N. Saqlain, N. Ahmed, T. S. Shamsi, Arshi Naz, Marguerite Neerman-Arbez, Vytautas Ivaskevicius, Tehmina Nafees Khan, Shariq Ahmed, Philippe

De Moerloose, Johannes Oldenburg, Shehla Tariq, Nazish Saqlain, Nisar Ahmed, Tahir S. Shamsi: Identification of novel mutations in fibrinogen gene alpha (FGA) and frequency of mutations in Pakistani population. *Journal of Thrombosis and Haemostasis* 06/2014; 12.

31. M. Taj, R. N. Qureshi, T. Farzana, T. S. Shamsi, S. S. Ahmed: Response of First-Line Antibiotic Therapy in Patients with Febrile Neutropenia During Treatment of Hematological Disorders. *Indian Journal of Hematology and Blood Transfusion* 06/2014; 31(2). DOI:10.1007/s12288-014-0451-8
32. Arshi Naz, Marguerite Neerman-Arbez, Philippede Moerloose, Shehla Tariq, Nazish Saqlain, Nisar Ahmed, Tahir S. Shamsi: Identification of novel mutations in fibrinogen alpha chain gene of congenital afibrinogenemia patients. *Haemophilia* 05/2014; 20.
33. Arshi Naz, Matthias Watzka, Johannes Oldenburg, Inga Kristin, Ali Muhammad Waryah, Nisar Ahmed, Tahir S. Shamsi: Genetic basis of vitamin K-dependent clotting factor deficiency in the Pakistani population. *Haemophilia* 04/2014; 20(s3). DOI:10.1111/hae.12400
34. M. Borhany, H. Handrkova, A. Cairo, N. Fatima, T. Shamsi, F. Peyvandi, H. P. Kohler, H. Fatima: Correlation of genotype and phenotype in patients with rare bleeding disorders in Pakistan. *Haemophilia* 02/2014; 20.
35. Arshi Naz, Danish Zahid, Samina Naz Mukry, Muhammad Nadeem, Bijon Kumar Sil, Tahir Sultan Shamsi: Evaluation of efficacy of various immunochromatographic rapid tests for Dengue diagnosis. *Pakistan Journal of Medical Sciences Online* 02/2014; 30(1). DOI:10.12669/pjms.301.4173
36. Sadaf Shahab, Khaleeq Un Nisa, Muhammad Nadeem, Danish Zahid, Saqib Ansari, Tasneem Farzana, Mehresh Taj, Munira Borhany, Nuzhat Ahmed, Tahir S Shamsi: Survival Outcome of AML Patients with and without TKD Mutations. *Asian Pacific journal of cancer prevention: APJCP* 01/2014; 15(24). DOI:10.7314/APJCP.2014.15.24.10995
37. Munira Borhany (Shoaib, Tahir Shamsi, Naveena Fatima, Hira Fatima, Arshi Naz, Humayun Patel: Rare Bleeding Disorders are not so Rare in Pakistan. 12/2013; *J Hematol Thromb Dis* 2: 122(01). DOI:10.4172/2329-8790.1000122
38. M Borhany, H Handrkova, A Cairo, V Schroeder, N Fatima, A Naz, S Amanat, T Shamsi, F Peyvandi, H P Kohler: Congenital factor XIII deficiency in Pakistan: Characterization of seven families and identification of four novel mutations. *Haemophilia* 12/2013; 20(4). DOI:10.1111/hae.12340
39. Naz, N. Hossain, T. S. Shamsi, N. Khan: Evaluation of Pro C global assay as a screening test for thrombophilia in women with adverse pregnancy outcome. *Journal of Thrombosis and Haemostasis* 12/2013; 11.

40. M. Borhany, T. Shamsi, A. Cairo, F. Peyvandi: Mutations causing severe factor XIII deficiency in Pakistan. *Journal of Thrombosis and Haemostasis* 12/2013; 11.
41. Naz, T. S. Shamsi, H. Patel, K. Shaikh, M. Nadeem, M. Borhany, N. Ahmed, A. Imran, S. Amanat: Frequency of factor XIII deficiency amongst patients with rare bleeding disorders in pakistan: a multicenter experience. *Journal of Thrombosis and Haemostasis* 12/2013; 11.
42. Arshi Naz, Tahir S Shamsi, Abdul Sattar, Tabassum Mahboob: Oxidative stress and total antioxidant status in acute leukemia at diagnosis and post remission induction phase. *Pakistan journal of pharmaceutical sciences* 11/2013; 26(6).
43. Sadaf Shahab, Tahir Sultan Shamsi, Nuzhat Ahmed: Prognostic Involvement of Nucleophosmin Mutations in Acute Myeloid Leukemia. *Asian Pacific journal of cancer prevention: APJCP* 10/2013; 14(10). DOI:10.7314/APJCP.2013.14.10.5615
44. M Borhany, H Boijout, J-L Pellequer, T Shamsi, G Moulis, P Aguilar-Martinez, J-F Schved, M Giansily-Blaizot: Genotype and phenotype relationships in 10 Pakistani unrelated patients with inherited factor VII deficiency. *Haemophilia* 06/2013; 19(6). DOI:10.1111/hae.12186
45. Arshi Naz, Rizwan N. Qureshi, Tahir S. Shamsi, Tabassum Mahboob: Vitamin D levels in patients of acute leukemia before and after remission-induction therapy. *Pakistan Journal of Medical Sciences Online* 03/2013; 29(1). DOI:10.12669/pjms.291.2764
46. Tahir Shamsi, Saqib Ansari: Medical management of β -thalassaemia without blood transfusion: A myth or a reality?. *Journal of the Pakistan Medical Association* 03/2013; 63(3).
47. Tahir Shamsi: Medical management of b-thalassaemia without blood transfusion: a myth or a reality?. *Journal of the Pakistan Medical Association* 03/2013; 63(3).
48. Saqib H Ansari, Tahir S Shamsi, Saima Munzir, Mohammed T Khan, Sajida Erum, Kousar Perveen, Tasneem Farzana, Mushtaq Ashraf, Tabassum Mehboob, Moinuddin Moinuddin: $G\gamma$ -Xmn I Polymorphism: A Significant Determinant of β -Thalassemia Treatment Without Blood Transfusion.. *Journal of Pediatric Hematology/Oncology* 02/2013; 35(4). DOI:10.1097/MPH.0b013e31827e8662
49. M. Borhany, T. Shamsi, A. C. Cairo, F. Peyvandi: Factor XIII deficiency among the rare bleeding disorders in pakistan. *Haemophilia* 02/2013; 19.
50. Naz, T. S. Shamsi, N. Saqlain, N. Ahmed, H. Patel, S. Amanat, S. T. Sohail, A. Imran: Multiple vitamin- k dependent clotting factor deficiencies among the rare bleeding disorders diagnosed under the capacity of haemophilia project pk-4 and their response to vitamin k therapy. *Haemophilia* 02/2013; 19.

51. Saqib Hussain Ansari, Nida Baig, Tahir Sultan Shamsi, Saif-ur-Rehman, Zeeshan Hussain Ansari, Zubaida Behar, Kousar Perveen, Sajida Erum, Zoaib Raza Bukhari, Muhammad Tahir Khan, Mohammad Akbar: Screening immediate family members for carrier identification and counseling: A cost-effective and practical approach. *Journal of the Pakistan Medical Association* 12/2012; 62(12).
52. Sadaf Shahab, Tahirs Shamsi, Nuzhat Ahmed: Molecular Involvement and Prognostic Importance of Fms-like Tyrosine Kinase 3 in Acute Myeloid Leukemia. *Asian Pacific journal of cancer prevention: APJCP* 09/2012; 13(9).
DOI:10.7314/APJCP.2012.13.8.4215
53. M Borhany, H Fatima, A Naz, H Patel, T Shamsi: Pattern of bleeding and response to therapy in Glanzmann thrombasthenia. *Haemophilia* 09/2012; 18(6).
DOI:10.1111/hae.12017
54. Saqib H Ansari, Tahir S Shamsi, Mohammed Tahir Khan, Kousar Perveen, Tasneem Farzana, Sajida Erum, Iqra Ansari: Seropositivity of Hepatitis C, Hepatitis B and HIV in Chronically Transfused β -Thalassaemia Major Patients.. 09/2012; 22(9).
55. Saqib Hussain Ansari, Tahir Sultan Shamsi, Feroza Nazir Ahmed, Kousar Perveen, Ghazala Ahmed: Effectiveness and feasibility of transabdominal chorionic villous sampling procedure for prenatal diagnosis of β -thalassaemia in a Muslim majority community of Pakistan. *Pakistan Journal of Medical Sciences Online* 07/2012; 28(4).
56. Nazli Hossain, Tahir Shamsi, Nazeer Khan, Arshi Naz: Thrombophilia investigation in Pakistani women with recurrent pregnancy loss. *Journal of Obstetrics and Gynaecology Research* 06/2012; 39(1). DOI:10.1111/j.1447-0756.2012.01925.x
57. Munira Borhany, Tahir Shamsi, Bushra Moiz, Khalid Hasan, Khalid Zafar Hashmi, Muhammad Ayyub, Nadir Ali, Nisar Ahmed Samina Amanat, Tahira Zafar: Guidelines on the laboratory diagnosis of congenital bleeding disorders in Pakistan. *Journal of the Pakistan Medical Association* 05/2012; 62(5).
58. Nazli Hossain, Tahir S Shamsi, Adeel Feroz: Successful Management of Acute Catastrophic Juvenile Vaginal Bleeding in Glanzmann's Thromboasthenia by Uterine Tamponade: A Case Report and Review of The Literature. 03/2012; 2012(2).
DOI:10.1155/2012/530908
59. Majhail NS, Rizzo JD, Lee SJ, Aljurf M, Atsuta Y, Bonfim C, Burns LJ, Chaudhri N, Davies S, Okamoto S, Seber A, Socie G, Szer J, Van Lint MT, Wingard JR, Collaborators (4) Koh M, Lee JW, Ma D, Shamsi T: Recommended screening and preventive practices for long-term survivors after hematopoietic cell transplantation. *Biology of Blood and Marrow Transplantation* 03/2012; 18(3).

60. Munira Borhany, Meena Kumari, Tahir Shamsi, Arshi Naz, Tasneem Farzana: Frequency of factor VIII (FVIII) inhibitor in haemophilia A. *Journal of the College of Physicians and Surgeons--Pakistan: JCPSP* 03/2012; Vol. 22(5).
61. L Faulkner, N Yaqub, S. Khalid Khalid, T Zhara, S Ansari, T Farzana, T Shamsi: Transplantation in Low Resource Countries. 01/2012; 1(2s). DOI:10.4081/thal.2011.s2.e9
62. Saqib H Ansari, Tahir S Shamsi, Mushtaq Ashraf, Muneera Bohray, Tasneem Farzana, Mohammed Tahir Khan, Kousar Perveen, Sajida Erum, Iqra Ansari, Muhammad Nadeem, Masood Ahmed, Faizan Raza: Molecular epidemiology of β -thalassemia in Pakistan: Far reaching implications. *International Journal of Molecular Epidemiology and Genetics* 11/2011; 2(4). DOI:10.4103/0971-6866.100762
63. Munira Borhany, Tahir Shamsi, Arshi Naz, Tasneem Farzana, Saqib Ansari, Muhammad Nadeem, Zia Ur Rehman, Zainab Sangii: Clinical Features and Types of Von Willebrand Disease in Karachi. *Clinical and Applied Thrombosis/Hemostasis* 11/2011; 17(6). DOI:10.1177/1076029610387125
64. Zaen-Al-Abideen Pahore, Tahir S Shamsi, Mehresh Taj, Tasneem Farzana, Saqib H Ansari, Muhammad Nadeem, Masood Ahmad, Arshi Naz: JAK2V617F Mutation in Chronic Myeloid Leukemia Predicts Early Disease Progression. 08/2011; 21(8).
65. Saqib H Ansari, Tahir S Shamsi, Mushtaq Ashraf, Kousar Perveen, Tasneem Farzana, Muneera Bohray, Sajida Erum, Tabassum Mehboob: Efficacy of Hydroxyurea in Providing Transfusion Independence in β -Thalassemia. *Journal of Pediatric Hematology/Oncology* 07/2011; 33(5). DOI:10.1097/MPH.0b013e31821b0770
66. M. Borhany, Z. Pahore, T. Shamsi, A. Naz, S. Ansari, T. Farzana, M. Nadeem: Pattern of bleeding and response to therapy in Glanzmann's thrombasthenia. *Haemophilia* 03/2011; 17(2).
67. Munira Borhany, Tahir Shamsi, Samsan Boota, Hazrat Ali, Naeem Tahir, Arshi Naz, Imran Naseer, Tasneem Farzana, Saqib Ansari, Muhammad Nadeem, Zia-Ur-Rahman, Zainab Sangji: Transfusion Transmitted Infections in Patients With Hemophilia of Karachi, Pakistan. *Clinical and Applied Thrombosis/Hemostasis* 03/2011; 17(6). DOI:10.1177/1076029611398122
68. Munira Borhany, Tahir Shamsi, Arshi Naz, Asif Khan, Kousar Parveen, Saqib Ansari, Tasneem Farzana: Congenital Bleeding Disorders in Karachi, Pakistan. *Clinical and Applied Thrombosis/Hemostasis* 02/2011; 17(6). DOI:10.1177/1076029610391650
69. Munira Borhany, Zaen Pahore, Zeeshan Ul Qadr, Muhammad Rehan, Arshi Naz, Asif Khan, Saqib Ansari, Tasneem Farzana, Muhammad Nadeem, Syed Amir Raza, Tahir Shamsi: Bleeding disorders in the tribe: Result of consanguineous in breeding. *Orphanet Journal of Rare Diseases* 09/2010; 5(1). DOI:10.1186/1750-1172-5-23

70. Lawrence Faulkner, Saqib Ansari, Sadaf Khalid, Naila Yaqub, Tasneem Farzana, Kamran Rashid, Yasir Iqbal, Pietro Sodani, Cristiano Gallucci, Buket Erer, Tahir Shamsi: SAFE AND EFFECTIVE REDUCED-COST BONE MARROW TRANSPLANTATION FOR THALASSEMIA: THE PRELIMINARY EXPERIENCE OF THE CURE2CHILDREN FOUNDATION IN PAKISTAN.. *Pediatric Blood & Cancer* 06/2010; 54(6).
71. Nazli Hossain, Tasneem Farzana, Nusrat Hasan Khan, Tahir Sultan Shamsi, Andra H James: Adolescent menorrhagia due to platelet function disorder. *Journal of the Pakistan Medical Association* 02/2010; 60(2).
72. N. Hossain, T. Shamsi: O389 Use of activated recombinant factor VII in massive postpartum hemorrhage. *International Journal of Gynecology & Obstetrics* 10/2009; 107. DOI:10.1016/S0020-7292(09)60761-X
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85. Tahir Shamsi, Mohammad Tufail, Mariam Aftab, Saqib Ansari: Role of recombinant activated factor VII in securing haemostatic failure in gun shot trauma. *Journal of the Pakistan Medical Association* 06/2006; 56(5).
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89. Tahir Sultan Shamsi, Mohammad Irfan, Tasneem Farzana, Saqib Hussain Ansari, Vinod Kumar Panjwani, Mevish Taj, Ghazala Ahmad, Nazmeen Shakoor, Mirza Irfan Baig: Survival and graft versus host disease in first 100 patients undergoing allogeneic peripheral blood stem cell transplantation: A single centre experience. *Journal of the Pakistan Medical Association* 12/2005; 55(11).
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 91. Tahir Sultan Shamsi, Mohammad Irfan, Tasneem Farzana, Saqib Hussain Ansari, Ghazala Ahmad, Nazmeen Shakoor, Mirza Irfan Baig: Allogeneic peripheral blood stem cell transplant (PBSCT) using anti-IL2 receptor antibody Daclizumab for the prevention of acute graft versus host disease in steroid refractory Diamond Blackfan anaemia: a case report. *Journal of the Pakistan Medical Association* 11/2005; 55(10).
 92. Nazli Hossain, Tahir Shamsi, Nargis Soomro: Frequency of Thrombophilia in Patients with Adverse Pregnancy Outcome. *Journal of the Pakistan Medical Association* 07/2005; 55(6).
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 97. T. Shamsi, Z. Huma, M. I. Baig: Short Report Fibrin Glue for the Control of External Bleeding in Haemophilia: a cost effective and novel approach. *Journal of the Pakistan Medical Association* 07/2003; 53(7).
 98. T. S. Shamsi, T. Farzana, S. H. Ansari, A. Ahmed, A. Ishaque: Febrile Neutropenia in Haematological Disorders: a Single Centre review of Antibiotic Policy and the Outcome. *Journal of the Pakistan Medical Association* 05/2003; 53(5).

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100. Jawaid Aslam Channa, Khalid Zafar Hashmi, Tahir Shamsi: Immunophenotypic Subgroup of Acute Lymphoblastic Leukemia. Journal of the College of Physicians and Surgeons--Pakistan: JCPSP 03/2002; 12(3).
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103. T S Shamsi, M Rehman, J Kazi, S Syed: Graft versus host disease following blood transfusion during coronary artery bypass grafting. Journal of the Pakistan Medical Association 10/1998; 48(9).
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105. T Shamsi, A Ahmed, Z Taj, M A Vajid, F Hassan: Prevalence of hepatitis B, C and HIV virus infection among beta thalassaemia major patients. Journal of the Pakistan Medical Association 04/1998; 48(3).
106. M Afroz, T S Shamsi, S Syed: Predictive value of MCV/RBC count ratio to discriminate between iron deficiency anemia and beta thalassemia trait. Journal of the Pakistan Medical Association 02/1998; 48(1).
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111. T S Shamsi, K Z Hashmi: Hairy cell leukaemia--diagnosis and current treatment. Journal of the Pakistan Medical Association 07/1994; 44(6).

Book:

1. **Tahir Shamsi.** A Practical Approach to Interpret Haematology Hisotgram (Gondal Graphics) Karachi 2003
2. **Tahir Shamsi. Haematological Issues in Clinical Practice. (Macter Publications) Karachi 2008**
3. Michael J Paidas, Charles Lockwood, Nazli Hossain, **Tahir Shamsi**, Marc Rodger, Jens Langhoff-Roos. Hemostasis and Thombrosis in Obstetrics & Gynecology, Blackwell Publishing, Oxford 2010.
4. Arshi Naz, Tahir Shamsi. Practical Haemostasis – basic concepts to practical applications, NIBD publications, Karachi 2010

Chapters in Books:

1. **Tahir S Shamsi**, Steve A Schey. Coagulation and bleeding disorders. Surgery 1995; 13: 109-12 Oxford
2. **Tahir S Shamsi** Sohail Chughtai. Hematological Treatment Options In Haemophilia Patients In Countries With Limited Resources. In “Haemophilia Management In Developing Coutnries” 2001, Ed: Sohail T, Heijnen L. (Ferozsons) Lahore
1. Saqib Ansari, **Tahir S Shamsi**. Haemoglobin F augmentation in beta thalassaemia. Haematology Today 2007, Ed: MB Agarwal, Mumbai
4. Munira Borhany, **Tahir S Shamsi** Tasneem Farzana. Pitfalls in the diagnosis of anemia in pregnancy. Haematology Today 2008, Ed: MB Agarwal, Mumbai
5. **Tahir S Shamsi** Shaheen Kausar, Nazli Hossain. A consultative approach to a women with unexpected bleeding at childbirth. Haematology Today 2008, Ed: MB Agarwal, Mumbai
6. Tasneem Farzana, **Tahir S Shamsi** Munira Borhani. Principles of haematology analyzers. Haematology Today 2008, Ed: MB Agarwal, Mumbai.

7. Nazli Hossain, **Tahir S Shamsi** Thrombophilia and Recurrent Pregnancy Losses - Heparin Intervention Improves Foetal Outcome. Haematology Today 2008, Ed: MB Agarwal, Mumbai.
8. **Tahir S Shamsi** Saqib Ansari. Pediatric bone marrow transplantation. In: Recent Advances in Pediatrics, Special Volume 20, Pediatric Hematology Oncology, New Dehli, India 2009
9. **Tahir S Shamsi**, Saqib Ansari. Issues Of Thalassaemia In Pakistan. (CELP Publications) Karachi 2008.
10. **Tahir S Shamsi** Blood Transfusion in Clinical Practice. (CELP Publications) Karachi 2008.
11. **Tahir S Shamsi** Nazli Hossain. PPH – a haematologist’s perspective. (CELP Publications) Karachi 2008.
1. Mehvesh Taj, Zaen Pahore, **Tahir Shamsi**. Epidemiology of Aplastic Anemia in developing countries. Haematology Today 2010, Ed: MB Agarwal, Mumbai.
13. **Tahir S Shamsi**, Saqib Ansari. Paedriatic Bone Marrow Transplantation. Haematology Today 2010, Ed: MB Agarwal, Mumbai.
14. Munira Borhany, **Tahir S Shamsi**. Arterio Venous thrombosis in chronic renal failure patients receiving renal replacement Therapy

CONFERENCES ATTENDED IN PAKISTAN:

CONFERENCES				
S.No	PERIOD		TITLE	Place & Organizer
	FROM	TO		
1	1996		Shamsi TS, Hashmi KZ, Rahman M, Kazi J. Transfusion associated Graft versus Host Disease following coronary artery bypass grafting.	Dow Medical College, Karachi
2	1995		Shamsi TS. Seroprevalence of Hepatitis B and C in multiply transfused Thalassaemic patients. Presented in the Symposium of the Pakistan Association of Pathologists, Lahore. Nov. 1995.	PAP, Lahore
3	2002		Shamsi T, Ansari S, Farzana T, Irfan M. Area Under The Concentration-Time Curve Of Cyclosporin Micro-Emulsion In Allogeneic Peripheral Blood Stem Cell Transplantation Recipients: A Useful Approach To Achieve Therapeutic Drug Level. 4 th PSH Annual Conference, December 2002, Pindi	PSH, Pindi,
4	2002		Ahmed A, Shamsi TS, Ansari S, Farzana T, Ishaque A. Febrile Neutropenia In Haematological Disorders: A Single Centre Review Of Antibiotic Policy And The Outcome. 4 th PSH Annual Conference	PSH, Pindi
5	2002		Irfan M, Shamsi TS, T Farzana, Ansari S. Graft Versus Host Disease In A Cohort Of 42 Patients; Male Recipients Of Female Donors Have Increased Risk Of Developing GvHD. 4 th PSH Annual Conference	PSH, Pindi
6	2002		Shamsi TS. Interpretation of Automated Analyser-Generated Histograms. 4 th PSH Annual Conference	PSH, Pindi
7	2003		5 th Annual Conference of Pakistan Society of Haematology	PSH, Lahore
8	2004		6 th Annual Conference of Pakistan Society of Haematology	PSH, Karachi
9	2005		7 th Annual Conference of Pakistan Society of Haematology	PSH, Lahore
10	2006		Shamsi TS. Hossain N. Postpartum haemorrhage – role of rFVIIa in securing haemostasis. 8 th Annual Conference of PSH 2006	PSH, Quetta,
11	2007		9 th Annual Conference of Pakistan Society of Haematology	PSH, Karachi
12	2007		SAARC Anaesthesia Conference	PSA, Karachi
13	2008		10 th Annual Conference of Pakistan Society of Haematology	PSH, Lahore
14	2008		Haematology Oncology Update	BTIHS, Karachi

15	2009	SAFOG Conference	SOGP, Lahore
16	2009	Haematology Oncology Update	NIBD, Karachi
17	2009	Annual Conference of PSH	Lahore
18	2009	Annual Conference of PSCO	Pindi
19	2010	Annual Conference of PSH	Pindi
20	2010	Update on Stem Cell Transplantation	Karachi
21	2010	Annual Conference of PAP	Karachi
22	2011	Annual conference of PSH	Karachi
23	2011	Haematology Oncology Update	NIBD, Karachi
24	2011	Annual Conference of PSH	Lahore
25	2012	Pakistan Paediatric Association Conference	Karachi
26	2012	Joint Conference of PAP and other societies	Islamabad
27	2013	PSCO Conference	Multan
28	2013	Joint Conference of PAP and other societies	Lahore
29	2014	Microbiology Conference	Karachi
30	2014	Molecular Pathology Conference	Lahore

WORKSHOPS ATTENDED IN PAKISTAN:

WORKSHOPS				
S.No	PERIOD		TITLE	Place & Organizer
	FROM	TO		
1	1995		Workshop on Paediatric Haematology	CPSP, Karachi. 1995 (Conducted by Dr Richard Stevens UK)
2	1996		Workshop on Blood and Bone Marrow morphology	College of Physicians and Surgeons Pakistan, Karachi 1996 (Conducted by Dr Barbara Bain UK)
3	1996		Workshop on Basic Immunology.	SIUT, Abdul Salim
4	2001		Workshop on the application of Flowcytometry.	SKMT, Lahore
5	2001		Educational Planning & Evaluation. CPSP, 2001	CPSP, Karachi
6	2002		Research Methodology & Writing CPSP, 2002	CPSP, Karachi
7	2003		Written Assessment Techniques, CPSP, 2003	CPSP, Karachi
8	2006		Workshop on ICH – GCP guidelines, Metrics Research, Karachi 2006	Krigger Institute Canada, Karachi

9	1997	Blood transfusion practices, Organized by Husaini Blood Bank Karachi. 1997	Hussaini BloodBank, Karachi
10	1997	Apheresis Techniques. Organized by Haemonetics USA at Karachi, Lahore and Pindi. 1997. Dr Peter Tomasolu was also a workshop conductor.	Hospital Supply Corporation, Karachi, Lahore, Pindi
11	1998	Haemophilia Workshop organized by World Federation of Haemophilia in Karachi and Lahore (Local Organizer) October 1998	WFH, Karachi, Lahore
12	2001	Workshop on Histograms & Quality Control in Haematology; 25 th National Symposium of Pakistan Association of Pathologists, December 2001, Lahore.	PAP, Lahore
13	2003	Workshop on “a practical approach to interpret haematology histograms” March 2003, AFIP Pindi	AFIP, Pindi
14	2003	Workshop on “a practical approach to interpret haematology histograms” March 2003, Children Hospital, Lahore	PSH, Lahore
15	2004	Workshop on Stem Cell Transplantation	BTIHS, Karachi
16	2005	Workshop on Immunohaematology	BTIHS, Karachi
17	2006	Workshop on Leukaemia	BTIHS, Karachi
18	2008	Workshop on haemostasis	BTIHS, Karachi
20	2009	Workshop on Prenatal Diagnosis & Chorionic Villous Sampling	NIBD, Karachi

CONFERENCES/ SEMINARS/ WORKSHOPS ATTENDED OUTSIDE PAKISTAN

CONFERENCES				
S.NO.	PERIOD		TITLE	PLACE & ORGANIZER
	FROM	TO		
1	March 2003		Shamsi TS, Farzana T, Irfan M, Shakoor N, Baig MI, Ansari S. Allogeneic Peripheral Blood Stem Cell Harvest From Paediatric Sibling Donors Is Effective And Safe For Transplantation. European Bone Marrow Transplant Congress	EBMT, Istanbul
2	March 2003		Shamsi TS, Ansari S, Irfan M, Farzana T. Allogeneic Stem Cell Transplantation For Haematological Disorders; A Single Centre Study European Bone Marrow Transplant Congress	EBMT, Istanbul
3	December 2005		Annual Conference of American Society of Hematology	ASH, Atlanta, USA
4	October 2006		Hossain N, Shamsi TS, Soomro N, Haider S, Memon G, Khan NH, Sultan ST. rFVIIa in the control of massive PPH. World Congress of the Federation of International Societies of Gynecology and Obstetrics	FIGO, Kuala Lumpur, Malaysia.
5	July 2007		T. S. Shamsi ¹ , N. Hossain ² , T. Farzana ¹ , S. Haider ³ , N. Soomro ² , N. Khan. Use Of Recombinant Activated Factor VII For The Control Of Post Partum Hemorrhage: A Case Series. XXI Congress of International Society of Thrombosis & Haemostasis	ISTH, Geneva, Switzerland
6	March 2008		Hossain N, Shamsi TS, Paidas M. Use Of Recombinant Factor VIIa For Massive Post Partum Hemorrhage. Symposium on Tissue Factor / Factor VII pathway	University of North Carolina, Chapel Hill, USA
7	June 2008		World Haemophilia Federation Congress	WFH, Istanbul
8	October 2008		1 st International Congress for Obstetricians and Gynecology	Jordanian MoH, Amman
9	October 2008		3rd Mediterranean Congress ObGyn,	Lebanese Society of OBGYN, Lebanese Society of Hematology, Beirut
10	February 2009		Update on haematology, oncology and transplantation	King Faial Specialist Hospital & Research Centre, Jeddah
11	March 2009		World Marrow Donor Meeting,	Japanese Society of Transplantation, WMDA, APBMT, Nagoya Japan

15	May 2009	Shamsi TS. Recombinant Activated FVII in Obstetric Haemorrhage in 5th Novo Nordisk Symposium on Haemostasis Management	Novo Nordisk, Istanbul
16	June 2009	European Haematology Association Congress	EHA, Berlin,
17	July 2009	Hossain N, Shamsi TS, Paidas M. Use Of Recombinant Factor VIIa For Massive Post Partum Hemorrhage. XXII Congress of International Society of Thrombosis & Haemostasis	ISTH, Boston

WORKSHOPS				
S.NO.	PERIOD		TITLE	PLACE & ORGANIZER
	FROM	TO		
1	August 1993		Workshop on Communication skills at the Guys Hospital, London 1993	UMDS, London
2	May 1994		Workshop on Computers at the Guys Hospital, London 1994	UMDS, London
3	March 1997		Abnormalities of Protein structure in relation to human diseases.	Chulhaborn Institute of Chemistry, Bangkok, Thailand
4	June 2006		Presentation Skills	Partners in Training, London

POSTERS/ABSTRACTS:

1. **Shamsi TS.** Prevalence of Hepatitis B, Hepatitis C and HIV in Haemophilia patients in Pakistan (Poster presented at XXIII Congress the World Federation of Haemophilia, Hague 1998)
2. **Shamsi TS,** Hashmi KZ, Rahman M, Kazi J. Transfusion associated Graft versus Host Disease following coronary artery bypass grafting. Presented at the Golden Jubilee Symposium of the Dow Medical College, Karachi 1996
3. **Shamsi TS.** Seroprevalence of Hepatitis B and C in multiply transfused Thalassaemic patients. Presented in the Symposium of the Pakistan Association of Pathologists, Lahore. Nov. 1995.
4. Isaak M. **Shamsi TS,** Schey SA, French G. Septicaemia in bone marrow transplantation. Presented in the Proceedings of the Hospital Infection Society UK, 1994 (abstract)
5. **Shamsi TS,** Aziz R, Akhtar F, Ahmed E, Naqvi SA, Rizvi SAH. Anemia in Post-renal Transplant Patients. Sindh Institute of Urology and Transplantation, Dow Medical College, Karachi – Pakistan, 6th MESOT, October 2002, Muscat, Oman
6. **Shamsi T,** Ansari S, Farzana T, Irfan M. Area Under The Concentration-Time Curve Of Cyclosporin Micro-Emulsion In Allogeneic Peripheral Blood Stem Cell Transplantation Recipients: A Useful Approach To Achieve Therapeutic Drug Level. 4th PSH Conference, December 2002, Pindi
7. Ahmed A, **Shamsi TS,** Ansari S, Farzana T, Ishaque A. Febrile Neutropenia In Haematological Disorders: A Single Centre Review Of Antibiotic Policy And The Outcome. 4th PSH Conference, December 2002, Pindi.
8. Irfan M, **Shamsi TS,** T Farzana, Ansari S. Graft Versus Host Disease In A Cohort Of 42 Patients; Male Recipients Of Female Donors Have Increased Risk Of Developing GvHD. 4th PSH Conference, December 2002, Pindi.
9. **Shamsi TS.** Interpretation of Automated Analyser-Generated Histograms. 4th PSH Conference, December 2002, Pindi.
10. **Shamsi TS,** Farzana T, Irfan M, Shakoor N, Baig MI, Ansari S. Allogeneic Peripheral Blood Stem Cell Harvest From Paediatric Sibling Donors Is Effective And Safe For Transplantation. EBMT 2003, Istanbul, Turkey.

11. **Shamsi TS**, Ansari S, Irfan M, Farzana T. Allogeneic Stem Cell Transplantation For Haematological Disorders; A Single Centre Study. EBMT 2003, Istanbul, Turkey.
12. **Shamsi TS**, Hossain N. Postpartum haemorrhage – role of rFVIIa in securing haemostasis. PSH 2006 Quetta, Pakistan
13. Hossain N, **Shamsi TS**, Soomro N, Haider S, Memon G, Khan NH, Sultan ST. rFVIIa in the control of massive PPH. FIGO 2006, Kuala Lumpur, Malaysia.
14. T. S. Shamsi¹, N. Hossain², T. Farzana¹, S. Haider³, N. Soomro², N. Khan. Use Of Recombinant Activated Factor VII For The Control Of Post Partum Hemorrhage: A Case Series. ISTH 2007, Geneva, Switzerland
15. Hossain N, **Shamsi TS**, Paidas M. Use Of Recombinant Factor VIIa For Massive Post Partum Hemorrhage. University of North Carolina Symposium on Tissue Factor / Factor VII pathway 2008, NC, USA
16. Mehresh Taj, Khalique-un-Nisa, Zaen Pahore, Saqib Ansari, Tasneem Farzana, Vinodh Panjwani, Mohammad Rehan, Muhammad Irfan & Tahir Shamsi. Epidemiology Of Aplastic Anemia In Karachi: A Single Center Experience. Haematology Conference 2009, October 15-18, Karachi, Organized By NIBD and PSH.
17. Zaen Pahore , Mehresh Taj ,Tasneem Farzana, Saqib H Ansari, Masood Ahmad, Arshi Naz and Tahir Shamsi. Jak2v617F Mutation in bcr/abl positive Chronic Myeloid Leukaemia: Is it one disease or two diseases in one patient? Haematology Conference 2009, October 15-18, Karachi, organized by NIBD and PSH.
18. Kashif Shaikh, Munira Borhany, Arshi Naz, Saqib Ansari, Muhammad Nadeem, Tahir Shamsi. Comparison Of Gel Microcolumn Method Vs. Tube Method For The Detection & Identification Of Red Cell Alloantibodies In Multiply Transfused b-Thalassaemia Major. Haematology Conference 2009, October 15-18, Karachi, organized by NIBD and PSH.
19. Muhammad Akif A Atif, Dr. Nabeel A Zubairi, Saqib H Ansari, Tasneem Farzana, Tahir Shamsi, Perceptions / Social Stigma Related To α -Thalassaemia Major In Pakistan With

- Special Reference To Thalassaemic Patients In Karachi. Haematology Conference 2009, October 15-18, Karachi, organized by NIBD and PSH.
20. Lawrence B. Faulkner, Tahir Shamsi, Saqib Ansari, Tasneem Farzana, Sadaf Khalid, Luigi Clemente, Naila Yaqub, Tahira Zafar, Kamran Rashid, Yasir Iqbal, Pietro Sodani, Cristiano Gallucci, Buket Erer, and Guido Lucarelli. Preliminary Experience Of The Pakistani Network For The Cure And Prevention Of Thalassaemia Supported By The Cure2children Foundation. Haematology Conference 2009, October 15-18, Karachi, organized by NIBD and PSH.
 21. *Tasneem Farzana, Mehvesh Taj, Saqib Ansari, Mirza Irfan, Kausar Parveen, Mohammad Irfan, Tahir Shamsi.* Allogeneic Peripheral Blood Stem Cell Transplantation (PBSC) In Severe Aplastic Anaemia: A Single Centre Experience In Pakistan. Haematology Conference 2009, October 15-18, Karachi, organized by NIBD and PSH.
 22. Jawwad Kazmi, Ghazala Ahmad, Saqib H Ansari, Masood Ahmad, Nazli Hossain and Tahir Shamsi. Prenatal Diagnosis for Haemoglobinopathy: a single centre experience. Haematology Conference 2009, October 15-18, Karachi, organized by NIBD and PSH.
 23. Uzma Zaidi, Mehvesh Taj, Altaf Ahmad, Saqib Ansari, Kousar Parveen, Mona Javed, Tasneem Farzana and Tahir Shamsi. A Single Centre Audit Of First Line Antibiotic Therapy In Febrile Neutropenic Patients Suffering From Various Hematological Disorders. Haematology Conference 2009, October 15-18, Karachi, organized by NIBD and PSH.
 24. Sajida Erum, Kousar Perveen, Masood Ahmad, Saqib Ansari, Arshi Naz, Tasneem Farzana and Tahir Shamsi. Molecular basis of β -thalassaemia in Different Ethnic Groups in Pakistan – A single center study. Haematology Conference 2009, October 15-18, Karachi, organized by NIBD and PSH.
 25. *Kousar Perveen, Saqib H Ansari, Sajida Erum and Tahir Shamsi.* Safety And Efficacy Of Hydroxycarbamide As Haemoglobin-F Augmenting Agent In Transfusion Dependent Thalassaemia. Haematology Conference 2009, October 15-18, Karachi, organized by NIBD and PSH.
 26. Tasneem Farzana, Arshi Naz, Masood Ahmad, Saqib Ansari and Tahir Shamsi. Haematopoietic Precursor Cell (HPC) Count Can Predict Adequacy of Stem Cell Dose in

- Peripheral Blood Stem Cell Harvest. Haematology Conference 2009, October 15-18, Karachi, organized by NIBD and PSH.
27. Nazli Hossain, Tahir Shamsi. Maternal And Fetal Outcome After Heparin Intervention In Women With Known Thrombophilia. Haematology Conference 2009, October 15-18, Karachi, organized by NIBD and PSH.
 28. Borhany M, Shamsi T, Naz A, Khan A, Parveen K. Congenital Bleeding Disorders In Karachi & Region. Haematology Conference 2009, October 15-18, Karachi, organized by NIBD and PSH.
 29. Ahmed G, Farzana T, Ansari SH, Taj M and Shamsi TS. Changes In Splenic Area On Ultrasound Examination In Young Healthy Donors Of Peripheral Blood Stem Cells (PBSC) Following rh-G-CSF Priming. Haematology Conference 2009, October 15-18, Karachi, organized by NIBD and PSH.
 30. Iqra Ansari, Saqib Ansari, Kousar Perveen, Saima Siddiqui, Zubaida Behar, Sajida Erum, Tahir Shamsi. The Seropositivity Of Hepatitis C, Hepatitis B And HIV In Chronically Transfused Patients With Beta Thalassaemia Major. Haematology Conference 2009, October 15-18, Karachi, organized by NIBD and PSH.
 31. Frequencies of Arteriovenous Thrombosis in end stage renal disease patients. Borhany M, Shamsi T, Naz A. ISTH congress in Japan KYOTO in 2011.
 32. Treatment options for Glanzmann's thrombasthenia in Pakistan. Borhany M, Shamsi T, Pahore Z, Naz A, Ansari S, Farzana T. ISTH Congress in JAPAN KYOTO in 2011.
 33. Biochemical enzymes in untreated leukaemia. Naz A, Mehboob T, Shamsi T. 10th biennial conference of PSBMB in 2010.
 34. Reference ranges of common coagulation parameters in our laboratory. Naz A, Abdullah S, Rehman R, Ramzan M, Nadeem M, Borhany M & Shamsi T. Haematology Conference & Scientific Exhibition in 2009.
 35. Congenital bleeding disorders in Karachi & region. Borhany M, Shamsi T, Naz A, Khan A, Parveen K, Ansari S, Farzana T, Nadeem M. Haematology Conference & Scientific Exhibition in 2009.
 36. Prevalence of Von Willebrand disease in women with menorrhagia. Shamsi T, Hossain N, Borhany M & Naz A. Haematology Conference & Scientific Exhibition in 2009.

37. Haematopoietic precursor cell (HPC) count can predict adequacy of stem cell dose in peripheral blood stem cell harvest. Farzana T, Naz A, Ahmed M, Ansari S, Nadeem M, Shamsi T. Haematology Conference & Scientific Exhibition in 2009
38. Association of different HLA alleles in patients with Aplastic Anaemia. Ahmed M, Shamsi T, Farzana T, Taj M, Naz A. Haematology Conference & Scientific Exhibition in 2009
39. Treatment options for Glanzmann's thrombasthenia in Pakistan. Borhany M, Shamsi T, Pahore Z, Naz A, Ansari S, Farzana. 13th National Conference & Scientific Exhibition of PSH in 2011.
40. Pattern of bleeding and response to therapy in Glanzmann's thrombasthenia. Borhany M, Pahore Z, Shamsi T, Naz A, Ansari S, Farzana T, Nadeem M. 13th National Conference & Scientific Exhibition Of PSH in 2011.
41. Clinical features and types of Von Willebrand disease (VWD) in Karachi, Pakistan. Borhany M, Shamsi T, Naz A, Farzana T, Ansari S, Nadeem M. 13th National Conference & Scientific Exhibition Of PSH in 2011.
42. Prevalence of transfusion transmitted infections in haemophiliacs patients. Boota S, Borhany M, Shamsi T, Naz A, Ali H, Naseer I. 13th National Conference & Scientific Exhibition Of PSH in 2011.
43. Comparison of Gel Micro column method from Tube method for the detection and Identification of red cell alloantibody in multiply transfused beta-Thalassaemia major patient. Sheikh K, Borhany M, Naz A, Nadeem M, Ansari S, Taj M, Farzana T & Shamsi T. 13th National Conference & Scientific Exhibition Of PSH in 2011.
44. Molecular basis of beta thalassaemia in different ethnic groups in Pakistan – A single center study. Erum S, Perveen K, Ahmed M, Ansari S, Naz A, Farzana T, Nadeem M and Shamsi T. Haematology Conference & Scientific Exhibition in 2009.
45. Prevalence of Anti-red cells antibodies in multi transfused patients. Razzaque A, Shah H, Ali H, Boota S, Naz A, Borhany M, Nadeem M, Shamsi T. Haematology Conference & Scientific Exhibition in 2009.
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47. Prevalence of hepatitis B, C, HIV, VDRL and MP among healthy blood donors of Karachi. Raza F, Abdullah S, Naz A, Nadeem M, Borhany M and Shamsi T. Haematology Conference & Scientific Exhibition in 2009.
 48. Prevalence of transfusion transmitted infections in haemophilia patients in Karachi & region. Borhany M, Shamsi T, Naz A, Farzana T, Saqib A, Rehman Z, Sangji Z. Haematology Conference & Scientific Exhibition in 2009.
 49. Frequency of factor VIII inhibitor levels in patients with haemophilia A. Kumari M, Borhany M, Naz A, Shamsi T, Nadeem M. Haematology Conference & Scientific Exhibition in 2009.
 50. Congenital bleeding disorders in Karachi & region. SHAMSI, M. BORHANY, A. NAZ, Irfan M. Asif K. XXIXth International Congress of the World Federation of Hemophilia, Buenos Aires, Argentina, 10-14 July 2010
 51. FREQUENCY OF FACTOR XIII DEFICIENCY AMONGST PATIENTS WITH RARE BLEEDING DISORDERS IN PAKISTAN: A MULTICENTER EXPERIENCE. A. Naz^{1,*}, T. S. Shamsi², H. Patel¹, K. Shaikh², M. Nadeem², M. Borhany¹, N. Ahmed³, A. Imran⁴, S. Amanat⁵. ISTH Liverpool, 2012
 52. EVALUATION OF PRO C GLOBAL ASSAY AS A SCREENING TESTS FOR THROMBOPHILIA IN WOMEN WITH ADVERSE PREGNANCY OUTCOME. A. Naz^{1,*}, N. Hossain², T. S. Shamsi³, N. Khan⁴. ISTH Liverpool, 2012
 53. Frequency & Clinical Spectrum Of Rare Bleeding Disorder in Pakistan, A multicentre Study. Arshi Naz, Humayun Patel, Muhammad Nadeem, Salwa Peracha, Ayesha Imran, Samina Amanat, Munira Borhany, Tahir S Shamsi. WFH, Paris, 2012.
 54. VITAMIN D LEVELS IN PATIENTS OF ACUTE LEUKAEMIA BEFORE AND AFTER REMISSION-INDUCTION THERAPY. Arshi Naz^{1,5}, Tahir S. Shamsi², Rizwan Nabi⁴ & Tabassum Mahboob PSH, Islamabad, 2012.
 55. Pattern of haemostatic, fibrinolytic and thrombotic parameters in pre & post remission induction phase of Acute Leukaemia. Arshi Naz^{1,5}, Tahir S. Shamsi², Humayun Patel³, Rizwan Nabi⁴ & Tabassum Mahboob PSH, Islamabad, 2012.

56. Evaluation of efficacy of various Dengue immunochromatographic rapid tests; comparison with Gold Standard Enzyme Lined Immuno Sorbent Assayas (ELISAs). Naz A, Zahid D, Naeem M, *Sil BK, Shamsi T. Global infectious diseases. Singapore, 2012.
57. Multiple vitamin-K dependent clotting factor deficiencies among the rare bleeding disorders diagnosed under the capacity of haemophilia project PK-4 and their response to vitamin K therapy. Arshi Naz¹, Tahir S. Shamsi¹, Nazish Saqlain², Nisar Ahmed², Samina Amanat³, Shehla Sohail⁴, Ayesha Imran⁵ Warsaw, Poland. EAHAD Meeting 2013.
58. Multiple vitamin-K dependent clotting factor deficiencies among the rare bleeding disorders diagnosed under the capacity of haemophilia project PK-4 and their response to vitamin K therapy. Arshi Naz¹, Tahir S. Shamsi¹, Nazish Saqlain², Nisar Ahmed², Samina Amanat³, Shehla Sohail⁴, Ayesha Imran⁵ Warsaw, Poland. EAHAD Meeting 2013.
59. Development of Factor VIII Inhibitors and its association with HLA class I and II alleles in Pakistani hemophilia Patients. Arshi Naz, Shariq Ahmed, Muhammad Nadeem, and Tahir S Shamsi. ISTH, Amsterdam, 2013.
60. IMPORTANCE OF IMMATURE PLATELET FRACTION (IPF) FOR THE DIAGNOSIS OF IMMUNE THROMBOCYTOPENIC PURPURA. Kashif Sheikh¹, Arshi Naz¹, Mahwish Rauf Shaikh², Ali Raza¹, Muhammad Nadeem¹ and Tahir S Shamsi¹, PSH, 2013.
61. Genetic Basis of Vitamin K Dependent Clotting Factors Deficiency In Pakistani Population Arshi Naz¹, Mattiha Watzaska², Jhoannes Oldenburg², Enga², Ali Muhammad Waryah³, Ali Raza¹, Muhammad Nadeem¹, Nisar Ahmed⁴, Tahir S Shamsi¹. WFH, Melbourne, Australia, 2014.
62. AUTOSOMAL RECESSIVE INHERITED BLEEDING DISORDERS UNDER THE CAPACITY BUILDING PROJECT OF PK4. M. Younus Jamal¹, Arshi Naz¹, Nisar Ahmed², Shehla Tariq³, Samina Amanat⁴, Fazl-e- Raziq⁵, Muhammad Nadeem¹ and Tahir Shamsi¹. WFH Melbourne, Australia, 2014.
63. IDENTIFICATION OF NOVEL MUTATIONS IN FIBRINOGEN ALPHA CHAIN GENE OF CONGENITAL AFIBRINOGENEMIA PATIENT. Arshi Naz¹, Neerman Arbez², Tehmina Nafees, Jhoannes Oldenburg, Philippe de Moerloose², Shehla Tariq³, Nazish Saqlain⁴, Nisar Ahmed⁴, Muhammad Nadeem¹, Tahir S Shamsi¹. ISTH, Milwaukee, USA, 2014.

64. Genotype characteristics of von Willebrand disease type III in Pakistani Patients. Arshi Naz¹, Hamideh Yadegri², Shariq Ahmed, Julia Driesen², Johannes Oldenburg², Nisar Ahmed³, Shehla Tariq⁴, Samina Amanat⁵, Fazle-Raziq⁶ and Tahir S Shamsi¹. Milwaukee, USA, 2014.
65. Molecular modelling of identified novel missense mutations in Pakistani congenital afibrinogenemia patients. Arshi Naz, Tehmina Nafees, Arijit Biswas, Anne Goodeve, Nisar Ahmed, Noman Malik, Samina Amanat, Tariq Masood, Tahir S Shamsi, Johannes Oldenburg. ISLH 2015 in Chicago, IL.
66. Characterization of Phenotypic Expression of Inherited Fibrinogen Coagulopathy in Pakistani index patients. .Tehmina Nafees, Arshi Naz, Nisar Ahmed, Noman Malik, Samina Amanat, Tariq Masood, Tahir S Shamsi. ISLH 2015 in Chicago, IL.
67. Inherited Platelet Disorders In Pakistani Patients. Younus Jamal, Arshi Naz, Akber Najmuddin, Ayesha Imran, Tahir S Shamsi. ISLH 2015 in Chicago, IL.
68. Cross Talk Between Hemostasis And Oxidative Stress In Acute Leukemia. Arshi Naz, Abdul Sattar, Tasneem Farzana, Mehwish Taj, Tahir S Shamsi. ISLH 2015 in Chicago, IL.
69. *An Insight of Genetic Mutations in Beta-Thalassaemia As an Indicator for Gamma-Globulin Gene Activation*. Saqib H. Ansari, Tahir S. Shamsi, Muhammad Nadeem, Kousar Perveen, Sajida Erum, Jawad Kazmi, Masood Ahmed, Faizan Mushtaq Ashraf, Tasneem Farzana, Munira Borhani
70. *Frequency of Factor VIII (Fviii) Inhibitor in Patients with Haemophilia A in Karachi, Pakistan*. Meena Kumari, Munira Borhani, 1 Tahir Shamsi, 1 Arshi Naz, 1 Saqib Ansari, 1 Tasneem Farzana, 1 Muhammad Nadeem, 2 Zia-Rahman, 3 Zainab Sangji
71. *Spectrum of Congenital Bleeding Disorders in Karachi, Pakistan* Munira Borhani, Tahir Shamsi, Arshi Naz, Asif Khan, Kousar Parveen, Saqib Ansari, Tasneem Farzana.
72. *Chronic Myeloid Leukemia and Imatinib Mesylate (Glivec) Therapy: Experience from a Single Center*. Zeeshan ul Qadir, Munira Borhani, Tasneem Farzana, Tahir Shamsi, Saqib Ansari, Mehwish Faisal, Muhammad Nadeem, Waseem Zaheer and Aamir Raza.

73. *Perceptions / Social Stigma Related to g-Thalassaemia Major in Pakistan With Special Reference to Thalassaemic Patients in Karachi* (Muhammad Akif A Atif, Nabeel A Zubairi, Saqib H Ansari, Tasneem Farzana, Tahir Shamsi)
74. *Haematopoietic Precursor Cells: A Novel Tool for The Assessment of Marrow Repopulating Potential of Haematopoietic Stem Cell Product in a Case of Stem Cell Transplantation.* Tasneem Farzana, Tahir Shamsi, Saqib Ansari
75. *Pattern of Bleeding and Response to Therapy in Glanzmann's Thrombasthenia.* Munira Borhany, Zain Pahore, Tahir Shamsi, Arshi Naz, Saqib Ansari, Tasneem Farzana, Muhammad Nadeem.
76. *Clinical Features and Types of Von Willebrand Disease (Vwd) in Karachi, Pakistan* Munira Borhany, Tahir Shamsi, Arshi Naz., Tasneem Farzana, Saqib Ansari, Muhammad Nadeem
77. *Preliminary Experience of The Pakistani Network for The Cure and Prevention of Thalassaemia Supported by The Cure2Children Foundation.* Lawrence B. Faulkner, Tahir Shamsil, Saqib Ansari, Tasneem Farzana, Sadaf Khalid, Luigi Clemente, Naila Yaqub², Tahira Zafar², Kamran Rashid³, Yasir Iqbal³, Pietro Sodani⁴, Cristiano Gallucci⁴, Buket Erer⁴, and Guido Lucarelli⁴.
78. *Comparison of Gel Microcolumn Method from Tube Method for The Detection and Identification of Red Cell Alloantibodies in Multiply Transfused g-Thalassaemia Major Patients* Kashif Shaikh, ¹&²Munira Borhany, ¹Arshi Naz, ²Saqib Ansari, ²Mehwesh Taj, ²Tasneem Farzana and ²Tahir Shamsi
79. *Prevalence of Transfusion Transmitted Infections in Haemophilic patients.* Samsan Boota, ¹Munira Borhany, ¹Tahir Shamsi, ¹Arshi Naz, ¹Hazrat Ali, Naeem Tahir, ¹Imran Naseer, ¹Tasneem Farzana, ¹Saqib Ansari, ¹Muhammad Nadeem ²Zia-ur-Rahman, ³Zainab Sangji,
80. *Probability of Finding an HLA Identical Sibling Donor in Pakistani Families.* Tasneem Farzana, Masood Ahmad, Mona Javed & Tahir Shamsi
81. *Allogeneic Peripheral Blood Stem Cell Transplantation (PBSC) in Severe Aplastic Anaemia: A Single Centre Experience in Pakistan.* T. Farzana, M. I. Baig, T. S. Shamsi, S. H. Ansari, N. Shakoor M.Irfan

Abstracts presented as oral / posters Internationally:

Abstract Title	Authors	Dates	Conference
1.Efficacy of Hydroxyurea (HU) in Reduction of Blood Transfusion Requirement among Children Having β -Thalassaemia Major, Karachi HU Trial (KHUT)	Ansari SH, Shamsi TS, Siddiqui FJ, Irfan M, Perveen K, Farzana T, Panjwani VK, Yousuf A.	2006	Haematologica
2.Genotype of Beta Thalassemia Patients As Predictors for Prognosis & Management without Blood Transfusion	Saqib Hussain Ansari, Tahir S Shamsi, Mohammed Tahir Khan, Tasneem Farzana, Kousar Perveen and Sajida Erum	2011	ASH Annual Meeti
3.Effectiveness and feasibility of transabdominal chorionic villous sampling procedure for prenatal diagnosis of β -thalassaemia in a Muslim majority community of Pakistan	Kousar Perveen, Saqib Hussain Ansari ,Tahir Sultan Shamsi, Feroza Nazir Ahmed,Kousar Perveen,Ghazala Ahmed	2013.	Thalassemia International Federation World Congress
4. Genetic Prognosticator for management of beta thalassaemia patients without blood transfusion.	Saqib Hussain Ansari Tahir Sultan Shamsi, Saima Munzir Sajida Erum, Sadia Parveen	20th to 23rd Oct 2013	Thalassemia International Federation World Congress

WORKSHOPS CONDUCTED:

1. Blood transfusion practices, Organized by Husaini Blood Bank Karachi. 1997
2. Apheresis Techniques. Organized by Haemonetics USA at Karachi, Lahore and Pindi. 1997. Dr Peter Tomasolu was also a workshop conductor.
3. Haemophilia Workshop organized by World Federation of Haemophilia in Karachi and Lahore (Local Organizer) October 1998
4. Workshop on Histograms & Quality Control in Haematology; 25th National Symposium of Pakistan Association of Pathologists, December 2001, Lahore.
5. Workshop on “a practical approach to interpret haematology histograms” March 2003, AFIP Pindi
6. Workshop on “a practical approach to interpret haematology histograms” March 2003, Children Hospital, Lahore

RESEARCH PROJECTS:

S. NO	TITLE AND PLACE OF RESEARCH	DONOR AGENCY	AMOUNT (RS/\$)	DURATION		ROLE AS	
				FROM	TO	PI	CO.PI
1	A double-blind, randomised, placebo-controlled, parallel group study to investigate the efficacy, safety, tolerability, pharmacokinetics and pharmacodynamics of SB-497115-GR, a thrombopoietin receptor agonist, administered at 30, 50 and 75 mg as oral tablets once-daily for 6 weeks to adult male and female subjects with refractor, chronic immune thrombocytopenic purpura (TRA100773)	GSK	Rs 600,000/=	2006	2007	PI	
2	Fludarabine as first line treatment in newly diagnosed chronic lymphocytic leukaemia: a prospective observational study.	Schering	Rs 125,000/=	2006	2007	PI	
3	A case control, single center study to investigate the efficacy, tolerability and safety of Hydroxyurea in b-thalassaemia major / intermedia patients at a dose of 15 mg/kg/day for 24 months (ongoing study till 2010).	BTIHS	Rs 1200,000/=	2004	2006		Co-PI
4	Epidemiology of bleeding disorders in Karachi & region.	Novo Nordisk Haemophilia Foundation	Rs 1920,000/=	2007	2009	PI	
5	Protein C Global assay in the evaluation of women with Adverse Pregnancy Outcome	HEC Pakistan	Rs 6000,000/=	2009	2011		Co-PI
6	Glanzmann Thrombasthenia Registry: A prospective observations study. Trial ID F7HAEM-3521	Praxel CRO	Rs 1200,000/=	2008	2012	PI	
7	KG-PF, Protocol 12955, Phase-2 study on safety and efficacy of new factor VIII formulation	Bayer Healthcare	Rs 7200,000/=	2009	2010	PI	

Principal Investigator in Following Clinical Trials:

1. rFVIIa as a haemostatic agent in uncontrolled massive PPH. An observational study. (on going)
2. An observational study of changing pattern of microbial infections in neutropenic patients during chemotherapy and / or stem cell transplantation (on going).
3. Treatment of Congenital Factor VII deficiency A prospective Observational Study (STER study ongoing till 2012)
4. Glanzmann Thrombasthenia Registry: A prospective observations study. Trial ID F7HAEM-3521 (GTR study ongoing till 2012)
1. A case control, single center study to investigate the efficacy, tolerability and safety of Hydroxyurea in b-thalassaemia major / intermedia patients at a dose of 15 mg/kg/day for 24 months (ongoing study till 2010).
6. Diagnostic accuracy of different RBC indices in differentiating iron deficiency anemia from β Thalassemia trait during pregnancy.
7. Protein C Global assay in the evaluation of women with Adverse Pregnancy Outcome. (will complete in 2010)
8. KG-PF, Protocol 12954, Phase-1 study on new factor VIII formulation.
9. KG-PF, Protocol 12955, Phase-2 study on safety and efficacy of new factor VIII formulation.

Research Projects in Hand:

1. Jak2v617F Mutation in bcr/abl positive Chronic Myeloid Leukaemia.
1. Molecular mechanisms of relapse after treatment of AML.
3. Epidemiology of aplastic anaemia in Karachi.
4. Frequency Of FMS-Like Tyrosine Kinase 3 Internal Tandem Duplication (FLT3/ITD) Mutation In Acute Myeloid Leukaemia
5. FMS-Like Tyrosine Kinase 3 mutation in Kisane region In Acute Leukaemia and its relation with treatment outcome.