



HAEMATOLOGY UPDATES

Vol. 12, No. 2, April-June 2018



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- PSH Monthly Meeting UHS, Lahore

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President's Column

Our Dear Colleagues
Assalam-o-Alaikum,

My special thanks to all of you for your very welcome response and confidence to Pakistan Society of Haematology. I request to all of you to pray Almighty Allah to Give Health, Courage and Strength to fulfill this obligation.

Alhamdolillah we have finalized the Working Groups of PSH for different sections of Haematology, BMT, Coagulation, Haemostasis and Transfusion Medicine to formulate guidelines, in local prospective for better diagnosis and management of blood diseases. We have started a long awaited dream of haematology

registry for different diseases, Diamond Black fan Anaemia, Fanconi's Anaemia, Glanzman Thrombasthenia, Bernard Soulier Syndrome and Many more diseases. As a first drop of rain, Bone Marrow Transplant Registry have started and we are very thank full to our PSH Rawalpindi/ Islamabad Chapter for their untiring efforts. We have planned to start further registries of haematological diseases, we have formed two new working group of Haematotechnologist and Haem Nursing. We have signed memorandum of understandings and collaboration with International Society of Laboratory Haematology (ISLH) and International Society of Haematology (ISH) and international society for thrombosis and Haemostasis (ISTH), Korean Society of Haematology, KSH has invited PSH delegates to attend International congress of BMT.

We all know this is the era of multi disciplinary team management and evidence based medicine, we need a very close coordination and support of different disciplines for better patient care.

Alahamdolillah we have introduced "PSH Bright Scholarship" for emerging haematologist for training within Pakistan and Abroad, interested PSH member can get full information on PSH website.

With Allah Blessing we have started PSH national Symposiums in different cities and hoping to expand this in others centers as well. Insha-Allah we are going to start PSH Annual updates on different Hematological Diseases and we need your cooperation as facilitators for these events. PSH academic Calander 2018 has been prepared to cover national activities.

Last but not the least, my dear friends the strength of our organization lies in unity. Let us remain united in achieving our goals. Also increase the new memberships of budding haematologist to increase the family of PSH. In think I should stop here and Insha-Allah rest will be discussed in next updates.

With Thanks & Allah Hafiz

Prof. Dr. Nisar Ahmed,
President,
Pakistan Society of Haematology





JOIN US

Pakistan Society of Haematology is pleased to announce that our ongoing PSH CMEs are going to increase in the near future. All of our members are invited to organize and participate voluntarily in the workshops, seminars, and other academic activities under the banner of PSH. You all are the stake holders of the society and you only can strive to expand it more and more for the strength of Haematology as a specialty.



For interested members, email your details on psh.org.pk@gmail.com

With Blessing & Thanks,

Dr. Saima Farhan
Secretary Treasures
Pakistan Society of Haematology,
dr_saima99@yahoo.com



About PSH

Pakistan Society of Haematology was formed in 1996 with the aim of promoting advancement of haematology, BMT and transfusion medicine in the country. Presently it has more than 450 members and we all should make efforts to enroll every haematologist in the country. We request all our members to take special interest in extending the membership to all those haematologists around you who have not yet registered with PSH. Website was launched and has been very active in recent past. We are trying to rejuvenate the website "<http://www.psh.org.pk>. The website would be interactive and provide on line forum for sharing views with other haematologists, and case discussion with the experts. Other features will be facility to download online membership form, newsletter, list and addresses of the members. Hopefully the website will be more operational within this month InshaAllah.

PSH History

Gen Masood Anwar

1. PSH was raised as "Pakistan Society of Haematology/Transfusion Medicine (PASHT)" in 1991. A meeting was held at 5 pm on Friday Nov 22, 1991. Professor Dr Mohammad Khurshid, Brig(later Lt Gen) Muhammad Saleem, Dr Khalid Zafar Hashmi, Dr Nasim Siddiqui, and Dr Abdul Hayee attended the meeting as members in presence of Prof A. V Hoffbrand. In this meeting Dr Khurshid presented a brief outlay of the necessity to create such a society. He also pointed out that Dr. Abdul Hayee, Dr. Khurshid, Dr KZ Hashmi and Brig Saleem had met at Bahawalpur and agreed on the general principles that the first meeting would be held along with the International conference of Pathology.
2. Though initial work was comprehensive, governing body and meetings of PASHT were not held regularly. In Sept 1994 it was proposed by Gen Muhammad Saleem to meet all PASHT members during Pakistan Association of Pathology (PAP) conference at Quetta. Dr. Muhammad Khurshid in consultation with Gen Saleem, Prof. Abdul Hayee, Dr. Khalid Zafar Hashmi proposed a provisional constitution of PASHT for the discussion in meeting
3. Haematologists from all over the country met on Saturday 9th March 1996 at Hotel Pearl Continental Rawalpindi in order to form a society. It was unanimously agreed that official name of society will be "Pakistan Society of Haematology" with official abbreviation of "PSH". It was also decided that until elections for office bearers the society matters will be looked after by a committee as under
 - a. Dr. Muhammad Khurshid
 - b. Dr. Ehsan-ul-Allah
 - c. Dr. Abdul Hayee
 - d. Dr. Khalid Zafar Hashmi
 - e. Dr. Khalid Hassan
 - f. Dr. Masood Anwar will act as Co-ordinator



4. A general body meeting of PSH was held at Peshawar on 2nd and 3rd Nov 1996. Election for office bearers were carried out as follow
- Lt. Gen. Muhammad Saleem President
 - Prof. Muhammad Khurshid as Vice President
 - Dr. Khalid Hassan as Secretary/treasurer

Later in Oct 1997 appointment of vice president was renamed as president elect.

List of past presidents includes

- Prof. Dr. Abdul Hayee
- Prof. Dr. Abdul Khaliq
- Prof. Dr. Muhammad Khurshid
- Prof. Dr. Khalid Zafar Hashmi
- Maj. Gen. Masood Anwar
- Prof. Dr. Khalid Hassan
- Maj. Gen. Suhaib Ahmed
- Prof. Dr. Samina Naeem
- Gen. Muhammad Ayyub

List of past secretaries includes

- Dr. Khalid Hassan
- Maj. Gen. Massod Anwar
- Prof. Fazle-e-Raziq
- Dr. Salman Naseem Adil
- Dr. Shaheena Kauser
- Brig. Nadir Ali
- Maj. Gen. Pervez Ahmed
- Dr. Nadeem Ikram
- Dr. Humera Rafiq
- Brig. Tariq Mehmood Satti

5. PSH was registered with Govt of Pakistan on 8th August 1998(RS/ICT/298 dated 8 Aug 1998 as non political and non sectarian body to promote advancement of haematology including transfusion medicine through encouragement of research, teaching and technical methods. The body will also organize scientific meetings, publication of scientific material, and affiliation with other National and international organizations. Members of Governing body included

- Lt. Gen. Muhammad Saleem as President
- Dr. Khalid Hassan as General secretary
- Dr. Birgees Mazhar Qazi as member
- Dr. Waseem Iqbal as member
- Dr. Hassan Abbas Zaheer as member
- Dr. Mobina Ahsan Dhodhy as member
- Dr. Farah Yasin as member
- Col. Masood Anwar as member

It was also decided that First National conference will be held on 4th Oct 1998. Since then Annual conference is held regularly in all capital cities of Pakistan. The society is publishing a quarterly newsletter and providing a forum to the haematologists all over the country contributing as advisors in haematology, consultants, researchers and mentorship. Currently the Governing body includes

- Prof. Dr. Nisar Ahmed as president
- Gen. Parvez Ahmed as President elect
- Dr. Saima Farhan as Secretary



EXECUTIVE COMMITTEE

New Executive committee was elected during 19th Annual Conference of Pakistan Society of Haematology held at Lahore from 16th-18th February 2017. Following are the office bearers of executive committee.

PRESIDENT

Prof. Dr. Nisar Ahmed
0300-4330196
dr_nisarahmed@hotmail.com

PRESIDENT ELECT

Maj. Gen. Pervez Ahmed
0300-8561288
pervez101@yahoo.com

SECRETARY/TREASURER

Dr. Saima Farhan
0300-2408440
dr_saima99@yahoo.com

MEMBERS

ARMED FORCES

Brig. Ch. Altaf Hussain
Brig. Maqbool Alam
Brig. Saqib Qayyum

ISLAMABAD

Prof. Dr. Ayesha Junaid

PUNJAB

Dr. Muneeza Junaid
Dr. Manzoor Hussain
Prof. Dr. Arif Hussain

SINDH

Prof. Dr. Muhammad Irfan
Prof. Dr. Salman Naseem Adil
Dr. Muhammad Nadeem

BALUCHISTAN

Prof. Dr. Chandi Kapoor

KPK

Dr. Shah Taj Khan

AZAD KASHMIR

Dr. Zahida Qasim (Mirpur)

OFFICE ASSISTANT

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0322-5181302
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OFFICE ASSISTANT

Mr. Abdul Aleem
0334-4391558
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NATIONAL PSH COORDINATORS

RAWALPINDI/ISLAMABAD

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PESHAWAR

Prof. Dr. Shah Taj Masood
shahtajmasood@yahoo.com
0333-9118335

PSH National Advisory and Steering Committee

- Gen. Muhammad Saleem
- Prof. Abdul Hayee
- Prof. Muhammad Khurshid
- Prof. Abdul Khaliq
- Prof. Khalid Zafar Hashmi
- Gen. Masood Anwar
- Prof. Khalid Hassan
- Prof. Yasmin Lodhi
- Prof. Tahir Jameel Ghazi
- Maj. Qaiser Husnain
- Col. Ghulam Rasool
- Prof. Farzana Amjad
- Prof. Nouman Malik
- Prof. Fozia Butt
- Gen. Suhaib Ahmad
- Prof. Samina Naeem
- Gen. Muhammad Ayub
- Prof. Fazle Raziq
- Prof. Javed Asif
- Brig. Muhammad Amin
- Col. Farooq Khatak
- Dr. Barjees Mazhar Qazi
- Prof. Saeed Ahmed Malik
- Prof. Nighat Yasmin Ashraf
- Brig. Jalil Anwar
- Prof. Waseem Iqbal
- Dr. Syed Iftikhar Abdi
- Brig. Ehsan Alvi
- Brig. Zahoor ur Rehman
- Prof. Luqman Butt
- Brig. Farhat Abbas Bhatti
- Brig. Nadir Ali
- Brig. Muhammad Ashraf
- Prof. Tahira Zafar
- Prof. Zeba Aziz
- Dr. Madoodul Manan
- Prof. Muhammad Hirani
- Prof. Zahoorul Latif
- Dr. Mian Muhammad Sharif
- Prof. Mussarat Niazi
- Prof. Muhammad Saeed Talpur



PSH WORKING GROUP

It is my pleasure to inform you that Haematology in Pakistan is progressing at a fast pace. In the first executive council meeting which was held at Lahore office, the proposal of making working groups was unanimously approved and now has taken up shape. The various working groups with nominated lead person along with members are hereby published.

Whoever wants to be a part of any group is hereby advised to get in contact with the lead person.

These working group are as under

Dr. Saima Farhan

Secretary / Treasury PSH

I. Working Group JPSH (Journal of Pakistan Society of Haematology)

Lead Person: Prof. Dr. Khalid Hassan

Cell: 0333-5178210

Email: kh_pims@yahoo.com

• **Members:**

- Prof. Dr. Shahida Mohsin
- Dr. Bushra Moiz
- Dr. Nadeem Ikram
- Brig. Nadir Ali
- Dr. Anum Wasim

II. Working Group Blood & Marrow Transplant

Lead Person: Maj. Gen. Parvez Ahmed

Cell: 0300-8561288

Email: parvez101@yahoo.com

• **Members:**

- Maj. Gen. Tariq Mehmood Satti
- Prof. Dr. Salman Naseem Adil
- Brig. Qamar-un-Nisa Chaudhry
- Dr. Saima Farhan
- Col. Mehreen Ali

III. Working Group Academic/ Curriculum Development:-

Lead Person: Gen. Saleem Ahmed Khan

Cell: 0333-7816441

Email: saleem003@hotmail.com

• **Members:**

- Maj. Gen. Parvez Ahmed
- Prof. Dr. Salman Naseem Adil
- Prof. Dr. Nisar Ahmed
- Dr. Bushra Moiz
- Brig. Nuzhat Salamat
- Dr. Shah Taj
- Dr. Saima Farhan

IV. Working Group Scholarship and Financial Aid:-

Lead Person: Brig. Nuzhat Salamat

Cell: 0321-8514354

Email: nuzhatsalamat@yahoo.com

• **Members:**

- Dr. Lubna Zafar
- Dr. Muneza Junaid
- Dr. Saima Farhan
- Dr. Tariq Ismail



V. Working Group Transfusion Medicine:-

Lead Person: Brig. Maqbool Alam

Cell: 0321-5196521

Email: maqboolalam448@hotmail.com

• **Members:**

- Prof. Dr. Hassan Zaheer Abbas
- Dr. Saba Jamal
- Dr. Ayesha Junaid
- Dr. Zahida Qasim
- Dr. Manzoor Hussain
- Dr. Saima Farhan
- Dr. Nazish Saqlain

VI. Working Group Paediatric Haematology:-

Lead Person: Prof. Dr. Nisar Ahmed

Cell: 0300-4330196

Email: dr_nisarahmed@hotmail.com

• **Members:**

- Lt. Col. Tariq Ghafoor
- Dr. Aslam Shaikh
- Dr. Tooba Fateen
- Dr. Faiza Rafiq

VII. Working Group of Coagulation Medicine:-

Lead Person: Brig. Ch. Altaf Hussain

Cell: 0333-5464272

Email: altaf444@gmail.com

• **Members:**

- Prof. Dr. Mona Aziz
- Prof. Dr. Samina Amanat
- Prof. Dr. Arif Hassan
- Brig. Saqib Qayyum
- Dr. Naghmana Mazhar
- Dr. Javeria Fatima

VIII. Working Group Benign Haematology:-

Lead Person: Prof. Dr. Muhammad Irfan

Cell: 0300-8270189

Email: Irfan6697@gmail.com

• **Members:**

- Prof. Dr. Nadeem Samad Shaikh
- Prof. Dr. Mubeena Dhodi
- Prof. Dr. Ayesha Ehsan
- Dr. Usman Shaikh
- Col. Nighat Shahbaz

IX. Working Group Malignant Haematology:-

Lead Person: Maj. Gen. Tariq Mehmood Satti

Cell: 0336-4243525

Email: tariqsatti@yahoo.com

Members:

- Dr. Nadia Sajid
- Col. Nighat Shahbaz
- Dr. Muhammad Idrees
- Dr. Irum Iqbal
- Dr. Hayat-ul-Allah

X. Working Group Molecular Haematology:-

Lead Person: Maj. Gen (R). Suhaib Ahmed

Cell: 0333-56231478

Email: suhaib955@hotmail.com

• **Members:**

- Dr. Jaweria Ejaz
- Dr. Bibi Kulsoom
- Col. Muhammad Naem
- Dr. Saima Mansoor
- Dr. Ayesha Khalid



**XI. Working Group
Immunophenotyping:-**

Lead Person: Dr. Asad Hayat

Cell: 0301-8469399

Email: asadhayat@skm.org.pk

• **Members:**

- Dr. Imran Nazeer
- Dr. Sajjad
- Dr. Natasha Alvi
- Dr. Ayesha Imran

**XII. Working Group appropriate and sensible
use of resources and investigation:-**

Lead Person: Prof. Dr. Mona Aziz

Cell: 0333-4271736

Email: monaakhlaq@hotmail.com

Members:

- Dr. Anum Wasim
- Dr. Amreen Hamid
- Dr. Asma Sadia
- Dr. Sadia (LNH)
- Dr. Sarwar

**XIII. Working Group
Lab Accreditation standards:-**

Lead Person: Dr. Tariq Mehmood

Cell: 0321-4642978

Email: tariqm@skm.org.pk

• **Members:**

- Prof. Dr. Ayesha Juanid
- Col. Ghulam Rasul
- Dr. Rabia Ahmed
- Dr. Fouzia Tabassum

SCHEDULE OF PSH MONTHLY MEETING

City	Coordinator Name	Date	Time
Lahore	Dr. Muneeza Junaid	2 nd Tuesday of the Month	09:00am to 10:00am
Karachi	Dr. Bushra Moiz	Last Friday of the Month	08:00am to 09:00am
Quetta	Prof. Nadeem Samad Shaikh	Last Friday of the Month	09:00am to 10:00am
Rawalpindi/ Islamabad	Brig. Ch. Altaf Hussain	Last Thursday of the month	03:00pm to 05:00pm
Peshawar	Dr. Shah Taj Khan	3 rd Thursday of the month	1200pm to 01:00pm

Highlights

HAEMCOEN 2018

BLOOD
&
MARROW

The Conference Diary

20th PSH Annual International Conference 2018

By Lt Col (R) Mehrukh Naseem

AFBMTC/NIBMT had the honour & responsibility of organizing the HAEMCON-2018 “20th PSH Annual International Conference from 1st to 4th March, 2018 at Pearl Continental Hotel, Rawalpindi. Speakers included renowned haematologists from Pakistan as well as around the world.

Opening Ceremony:

Surgeon General of Pakistan Army **Lt Gen Zahid Hamid** was the Guest of Honour at the Opening Ceremony marking the start of the Conference. The event, ably hosted by **Lt Col Mehreen Ali Khan**, started with Talawat and National Anthem.



This was followed by the Welcome Address by the Chairperson, **Maj General Tariq Mahmood Satti**, Commandant AFBMTC/NIBMT Rawalpindi, and a speech by President PSH, **Professor Dr Nisar Ahmed**.

Keynote Lecture “Haematology in Pakistan - Challenges and The Way Forward” was delivered by **Maj Gen Parvez Ahmed, HI(M) (R)**. Whereas, **Professor Dr Muzaffar Hussain Qazilbash** from Houston, USA presented Razi Lecture on “New Developments in Immunological & Cellular Therapy for Haematological Malignancies”.



Surgeon General addressed the attendees, and the formal inauguration of Scientific Exhibition took place, followed by a sumptuous dinner.





Registration

Registration for attending started weeks in advance and continued till the final day of the conference. The process was a well-organized affair, where 500 plus participants were issued Registration Cards, Lunch & Gala Dinner tokens and souvenir Laptop bags with required literature & other mementos.









Scientific Exhibition:







A scientific exhibition was also organized during the conference. Many pharmaceutical companies put up colourful stalls displaying latest electro-medical equipment and information regarding various drugs used in patients suffering from blood diseases.









The Second and Third Day had 3 sessions each, interspersed with tea and lunch. Each session comprised talks by the experienced haematologists, local and international, and was made more lively and interesting by holding of a lucky-dip event at the end. Thus, the young doctors were rewarded not only by gaining valuable insight and knowledge but also by the chance of winning a Tablet!!

DAY 2 Friday, 2nd March 2018		Scientific Session-I		Bone Marrow Failure & MDS	
Chair	Nisar Ahmed	Co-Chair	Syed Kamran Mahmood	Moderator	Raheel Iftikhar
	<p><i>"Childhood Bone Marrow Failure"</i> Atifa Suhaib Professor of Pathology Holy Family Hospital, Rawalpindi, Pakistan</p>		<p><i>"Epidemiology of Aplastic Anaemia in Northern Pakistan: A Study of 1324 Patients"</i> Qamar Un Nisa Chaudhry Consultant Haematology & BMT Physician AFBMTC/NIBMT, Rawalpindi, PK</p>		
	<p><i>"Changes in the Management of Aplastic Anaemia"</i> Judith Marsh Department of Haematological Medicine King's College Hospital, Denmark Hill, London, UK</p>		<p><i>"Myelodysplastic Syndromes"</i> Austin Gladston Kulasekararaj Consultant Haematology King's College Hospital, Denmark Hill, London, UK</p>		
	<p><i>"MDS in Pakistan: Clinico-haematological Characteristics, Cytogenetic Profile and Risk Stratification"</i> Ch Altaf Hussain Classified Haematologist AFIP, Rawalpindi, Pakistan</p>		<p><i>"The T System: Telomere and Telomerase Complex Role in Bone Marrow Failure Syndrome"</i> Sadia Rehman Institute of Biomedical and Genetic Engineering, Islamabad, Pakistan</p>		






DAY 2 Friday, 2nd March 2018		Scientific Session-II		Stem Cell Transplantation							
Chair	Parvez Ahmed	Co-Chair	Tariq Ghafoor	Moderator	Jehanzeb Ur Rehman						
	<p><i>"Molecular Pathology Advances in Bone Marrow Transplant and Gene Therapy"</i> Rizwan C. Naeem Director Molecular Pathology Albert Einstein College of Medicine and Montefiore Medical Center, Bronx, NY</p>		<p><i>"BMT for Thalassemia"</i> Lawrence B. Faulkner Pediatric Hematologist-Oncologist & BMT Specialist Medical Coordinator, Cure2Children Foundation Florence, Italy</p>		<p><i>"Stem Cell Transplantation: Novel Applications"</i> Muhammad Saif Consultant Haematologist Department of Clinical Haematology, Manchester Royal Infirmary, Manchester, UK</p>		<p><i>"Allogeneic Stem Cell Transplant in Aplastic Anaemia"</i> Salman N. Adil Professor & Consultant Haematologist Aga Khan University Hospital, Karachi, Pakistan</p>		<p><i>"Haploidentical Stem Cell Transplant"</i> Ayaz Y. Mir Chief, Haematology & Oncology Director, Bone Marrow & Stem Cell Transplant, Shifa International Hospital, Islamabad, Pakistan</p>		

DAY 2 Friday, 2nd March 2018		Scientific Session-III		Hemostasis & Thrombosis							
Chair	Mohammad Ayyub	Co-Chair	Nadir Ali	Moderator	Tariq Azam Khattak						
	<p><i>"Thrombocytopenia in Tertiary Care"</i> Syed Muhammad Irfan Head of Haematology & Blood Bank, Liaquat National Hospital & Medical College, Karachi, Pakistan</p>		<p><i>"Testing for Coagulation Factor Deficiencies: Practical Considerations"</i> Catherine P. M. Hayward Professor, Pathology & Molecular Medicine, McMaster University, Head of Coagulation, Hamilton Regional Laboratory Medicine Program, Hamilton, Canada</p>		<p><i>"Thrombotic Thrombocytopenia Purpura (TTP)"</i> Gina Zini Professor of Hematology Director of Blood Bank & Director of UNICATT Cord Blood Bank Università Cattolica del S. Cuore Rome, Italy</p>		<p><i>"Evaluation of Thrombophilia"</i> Saleem Ahmed Khan Professor of Haematology & Principal Army Medical College, Rawalpindi, Pakistan</p>		<p><i>"Glanzman Thromboasthenia"</i> Muhammad Faisal Khanani Division Chief Hematology/Oncology PEDS Clini - Medical Affairs Tawam Hospital Abu Dhabi, UAE</p>		<p><i>"Management of Hemophilia"</i> Khalid Z. Hashmi Consultant Haematologist Sindh Institute of Urology and Transplantation (SIUT) Karachi, Pakistan</p>








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DAY 3 Saturday, 3rd March 2018		Scientific Session-VI		Transfusion Medicine	
Chair	Atifa Shuaib	Co-Chair	Syed Kamran Mahmood	Moderator	Muhammad Sajid Yazdani
	<p><i>"Training in Transfusion Medicine in Pakistan"</i> Nuzhat Mushahid Associate Professor of Pathology PNS Shifa Hospital Karachi, Pakistan</p>		<p><i>"Antibody Identification: To Resolve Incompatible Crossmatch Cases"</i> Mqbool Alam Consultant Haematologist & Commandant AFIT, Rawalpindi, Pakistan</p>		
	<p><i>"Haemovigilance in Developing Countries"</i> Ghulam Nabi Kakepoto Consultant Haematologist University Hospital of North Midlands, UK</p>		<p><i>"Centralized Blood Banking in Pakistan - An update"</i> Saba Jamal Consultant Haematologist Director Indus Hospital Blood Centre. Karachi, Pakistan</p>		
	<p><i>"Proxysmal Nocturnal Haemoglobinuria"</i> Shahtaj Masood Assistant Professor of Haematology Hayatabad Medical Complex. Peshawar, Pakistan</p>		<p><i>"Laboratory Standardization in Haematology Practice"</i> Ayesha Junaid Consultant Haematologist Incharge Blood Bank, Shifa International Hospital Islamabad, Pakistan</p>		

DAY 4 Sunday, 4th March 2018		Scientific Session-VII		Leukaemia	
Chair	Khalid Hassan	Co-Chair	Nadeem Ikram	Moderator	Mehreen Ali Khan
	<p><i>"Role of Molecular & Cytogenetic Testing in Haematological Malignancies"</i> Muhammad Nadeem Consultant Haematologist & Head of Department of Pathology The Cancer Foundation Hospital Karachi, Pakistan</p>		<p><i>"Childhood Acute Lymphoblastic Leukaemia"</i> Zehra Fadool Professor of Paediatric Haematology & Oncology Aga Khan University Hospital, Karachi, Pakistan</p>		
	<p><i>"Management of Acute Myeloid Leukaemia in 2018"</i> Kamran Rashid Consultant Oncologist Program Director, Bone Marrow Transplant Shifa International Hospital Islamabad, Pakistan</p>		<p><i>"Recent Advances in Management of Chronic Lymphocytic Leukaemia"</i> Mohammad Ayyub Professor of Haematology, Ex. Commandant AFIP, Islamabad, Pakistan</p>		
	<p><i>"Role of Stem Cell Transplant in Chronic Myeloid Leukemia"</i> Tariq Mahmood Satti Consultant Haematologist & Commandant AFBMTC/NIBMT Rawalpindi, Pakistan</p>		<p><i>"T315I Mutation Screening in Leukaemia Patients-Resolution to A Clinical Problem with Imatinib"</i> Nusrat Saba Institute of Biomedical and Genetic Engineering Islamabad, Pakistan</p>		

















DAY 3 Saturday, 3rd March 2018		Scientific Session-IV		Myeloma & Lymphoma	
Chair	Suhaib Ahmed	Co-Chair	Muhammad Ayaz Mir	Moderator	Tariq Azam Khattak
	<p><i>"Training in Transfusion Medicine in Pakistan"</i> Abdul Hameed Clinical Haematologist Ittefaq Hospital (Trust). Lahore, Pakistan</p>		<p><i>"Challenging Cases in Multiple Myeloma"</i> Tariq Shafi Consultant Haematologist Darent Valley Hospital, Dartford, UK</p>		
	<p><i>"Updates in the Management of DLBCL"</i> Neelam Siddique Consultant Medical Oncologist Shoukat Khanum Memorial Cancer Hospital and Research Centre. Lahore, Pakistan</p>		<p><i>"Building of Primary Immune Deficiency Disease Centre in Pakistan"</i> Farrukh R. Sheikh Consultant & Program Director Allergy & Immunology King Faisal Specialist Hospital & Research Centre Riyadh, KSA</p>		
	<p><i>"Paediatric Hodgkin Lymphoma - A Single Centre Study"</i> Tariq Ghafoor Consultant Paediatric Oncologist AFBMT/C/NIBMT. Rawalpindi, Pakistan</p>		<p><i>"CAR T Cell in NHL"</i> Umar Farooq Clinical Assistant Professor Division of Hematology, Oncology and Blood & Marrow Transplantation University of Iowa Iowa, USA</p>		

DAY 3 Saturday, 3rd March 2018		Scientific Session-V		Red Cell Disorders	
Chair	Saleem Ahmed Khan	Co-Chair	Qamar Un Nisa Chaudhry	Moderator	Mehreen Ali Khan
	<p><i>"Pure Red Cell Aplasia (PRCA)"</i> Nisar Ahmed Head of Paediatric Haematology, BMT & Transfusion Medicine Division, The Children's Hospital, Lahore, Pakistan</p>		<p><i>"Management and HSCT of Acquired Aplastic Anemia"</i> Mahmoud Al-Jurf Dy Director Oncology Centre, Director Adult HSCT Program, Vice President WBMT, Scientific Director EMBMT King Faisal Specialist Hospital & Research Centre Riyadh, KSA</p>		
	<p><i>"Laboratory Diagnosis of Anemia"</i> Giuseppe d'Onofrio Professor of Hematology & Clinical Pathology Catholic University Sacred Heart. Rome, Italy</p>		<p><i>"Genetic Hemoglobin Disorders in Pakistan"</i> Suhaib Ahmed Professor of Haematology Director Genetics Resource Centre (GRC) Islamabad, Pakistan</p>		
	<p><i>"Prenatal Diagnosis of Beta Thalassemia in Twin Pregnancies"</i> Shabnam Bashir Project Director, PTPP, Associate Prof of Haematology, Fatima Jinnah Medical University. Lahore, Pakistan</p>		<p><i>"Coincidence of Iron Deficiency / Overload in Beta-Thalassemia Trait"</i> Yasar Yousafzai Khyber Medical University, Peshawar, Pakistan</p>		



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DAY 4 Sunday, 4th March 2018		Scientific Session-VIII		Free Papers	
Chair	Saleem Ahmed Rana	Co-Chair	Usman Sheikh	Moderator	Qamar-Un-Nisa Ch
	<p><i>"Inherited Bleeding Disorders - Experience of A Not-For-Profit Organization in Pakistan (Free Paper)"</i> Shabneez Hussain Consultant Haematologist, Fatimid Foundation, Karachi, Pakistan</p>				
	<p><i>"Clinical Efficacy of Recombinant Factor VIII Fc fusion protein in Haemophilia A Patient Receiving on Demand Treatment only, a cross sectional study"</i> Saima Zahir AFIP, Rawalpindi, Pakistan</p>		<p><i>"Event-Free Survival in Patients with Chronic Phase of CML Receiving TKI Nilotinib"</i> Zenara Saqib Holy Family Hospital, Rawalpindi, Pakistan</p>		
	<p><i>"Frequency of NRAS & KRAS Mutations in Newly Diagnosed AML Patient"</i> Sidra Barlas AFIP, Rawalpindi, Pakistan</p>		<p><i>"Cytogenetic Profile of Philadelphia Chromosome Positive CML"</i> Nazia Hafeez Department of Pathology LUMHS Jamshoro, Pakistan</p>		
	<p><i>"Frequency of CMV Infection & Outcome of Antiviral Therapy in Patients Undergoing Allogeneic HSCT"</i> Raheel Iftikhar AFBMT/NIBMT, Rawalpindi, Pakistan</p>		<p><i>"Association of Deletion 13q with Clinico-Pathological Features in CLL"</i> Ali Ahmed AFIP, Rawalpindi, Pakistan</p>		
	<p><i>"Diagnostic Accuracy of CareStart G6PD Biosensor Analyzer for The Screening of G6PD Deficiency"</i> Khadija Iftikhar AFIP, Rawalpindi, Pakistan</p>		<p><i>"Prevalence of Hepatitis D Virus in Reactive HBsAg Blood Donors at Department of Pathology, Jamshoro"</i> Sadia Shameer LUMHS, Jamshoro, Pakistan</p>		
	<p><i>"HSCT Experience in Rare Inherited Disorder at AFBMTC"</i> Tariq Azam Khattak AFBMT/NIBMT, Rawalpindi, Pakistan</p>		<p><i>"Distribution of Inherited Platelet Function Disorders: AFIP Experience"</i> Saira Irum AFIP, Rawalpindi, Pakistan</p>		
	<p><i>"Genetics, Immunological and Epidemiological Characterization of Aplastic Anaemia Patients in Pakistan"</i> Zaineb Akram AFBMT/NIBMT, Rawalpindi, Pakistan</p>		<p><i>"Knowledge, Attitude and Practices of Laboratory Safety Measures Among Paramedical Staff"</i> Aatika Malik The Children's Hospital & ICH Lahore, Pakistan</p>		



HAEMCON-2018

Acknowledgment



On behalf of Commandant AFBMTC/NIBMT Maj Gen Tariq Mahmood Satti and his team we would like to acknowledge our colleagues who spared their precious time to provide invaluable suggestions and helped us in making HAEMCON-2018 a big success.

Thank you for the guidance and support in our undertaking to host this prestigious event.

Our special thanks to Brig Ch Altaf Hussain and Brig Maqbool Ahmed for their contribution in generating financial resources and fine tuning the scientific program.





6th PSH National Symposium Peshawar



The 6th National Pakistan Society of Haematology Symposium was arranged on 9th and 10th May 2018 in Peshawar. Hayatabad Medical Complex was privileged to arrange a two days haematology symposium in Peshawar. The hard work of Professor Dr. Shah Taj and her team with guidance of Professor Dr Fazl-e-Raziq paid off. The distinguished haematologists participated from various cities across Pakistan including participants from other specialties.

The venue for the symposium on 9th May, 2018 was Khyber Girls Medical College, Peshawar. The program began with the recitation of the Holy Quran, followed by the participants standing in the honor of the Pakistan national anthem.

The program formally began with a welcome note by Prof. Dr. Shahtaj Khan, In charge of Hematology Department, Hayatabad Medical Complex. She welcomed and thanked the president PSH Prof. Dr Nisar Ahmad, Head of Haematology, The Children's Hospital and ICH, Lahore to have selected Peshawar as their venue for the symposium.

She thanked and welcomed all the distinguished haematologists and participating guests. After the welcome note, Prof. Dr. Nisar Ahmad, Professor of Paediatric Haematology, BMT & Transfusion Medicine, President, PSH was asked to address the audience and enlighten about the objectives of Pakistan Society of Haematology (PSH) and its upcoming ventures. He threw light on the positive and effective role of PSH in raising the standards of haematology in Pakistan. He also announced opportunity of foreign scholarships for the haematologists in order to enhance the skills.

The chief guest Prof. Dr. Rafiullah, Dean, Rehman Medical Complex, Peshawar also addressed the participants and congratulated the team for arranging a symposium of international standard and hoped for more such events in the future.

The guest of honor Prof. Dr. Noor Wazir, Head of Medicine, Dean, Khyber Girls Medical College also gave his encouraging remarks on the event and suggested the collaboration of diagnostic and clinical field is an important.

Afterwards, the President PSH, Chief guest, guest of honor, Secretary PSH, focal person / host, Prof. Dr Shah Taj, Prof Dr. Fazle Raziq and event organizers Associate Prof. Dr. Khalid Khan, Associate Prof. Dr. Ashraf Khan, Assistant Prof. Dr. Saiqa were awarded with shields.





The scientific session of symposium began with the presentation of iconic figure in haematology, Major General Pervez Ahmed, Consultant Clinical Haematologist BMT, Quaid-e-Azam International Hospital, Islamabad who presented "Blood transfusion in the Immunocompromised in bone marrow recipients".

The topic was well prepared and received by the participants. After such great words of wisdom tea break was announced and the second scientific session began after tea break the following marvelous speakers who had full command on their topic and gave very elaborative views, presented their talks, explained the topic very well keeping in view the graduate and postgraduate of other field they tried to answer the queries very effectively. Brigadier Dr. Maqbool Alam - Commandant AFIT, Rawalpindi - "Errors in Transfusion Medicine" Prof. Dr. Muhammad Irfan - Haematology, Liaqat National Hospital, Karachi - "Platelets: To Transfuse or Not to Transfuse"

Prof. Dr. Tahir Sultan Shamsi - Haematology, NIBD, BMT, Karachi - "Management of Idiopathic Thrombocytopenic Purpura" Dr. Saima Farhan - Assistant Professor Haematology, Children's Hospital and ICH, Lahore - "Diagnostic Approach to Coagulation Disorders" After the lunch break the scientific session resumed with the speakers. Prof. Dr. Muhammad Irfan - Haematology, Liaqat National Hospital, Karachi - "Benign White Blood Cell Disorders" Dr. Muhammad Bilal Abid - Fellow, Neurobehavioral Pediatrics, Children's Hosp & ICH, Lahore - "Neurobehavioural Disabilities in Early Childhood, Early Identification, Early Intervention, Better Outcomes"

It was a very good presentation and it helped audience understand different behavior displayed by children how to pick them, diagnose and then properly manage them. The commemorative shields were distributed among the speakers for their words of wisdom. The vote of thanks was delivered by Associate Prof. Dr. Khalid Khan. The first day came to an end with hope and excitement of meeting the next day for continuation of symposium.

In the evening, a very nice program was arranged to entertain the guests and to show the hospitality of KPK hematologists. The guests and participants were taken to the Bala Hissar Fort via bus. The ambiance was very well commendable by everyone and they enjoyed the city sights. The Bala Hisar Fort stood tall in the middle of city and welcomed with its ultimate dignity. A tour guide explained the history of the fort to the guests and then gave a very nice tour of the fort, showing the museums with well preserved heritage. The guests enjoyed the cool breeze, the view of city from fort and a beautiful sunset followed by high tea.

After the historical visit, everyone enjoyed delicious food at the finest restaurant 'SHIRAZ RONAQ'. The guests enjoyed a variety of continental, Chinese dishes and local specialties. The memorable evening came to an end by bidding farewell till tomorrow.



On the 10th May, 2018, a new hope with all participants and guests making it on time to REHMAN MEDICAL INSTITUTE Auditorium with zeal. The program began with recitation of Holy Quran and honoring the national anthem. Afterwards Prof. Dr. Fazle Raziq welcomed the participants and showed his gratitude to PSH for providing platform for exchange of information related to hematology. The first scientific session began. The following speakers spoke with command. Dr. Muneeza Junaid - Associate Professor of Haematology, Sahiwal Medical College, Sahiwal - "Myeloproliferative Neoplasms"



Dr. Toobah Fateen - Consultant Haematologist - Children's Hospital ICH, Lahore - "Red Blood Cells"

All speakers engaged the audience and replied to many of the queries to clarify the concepts.

The tea break was announced and after that second scientific session began. The following speakers made full effort in ensuring the students understood the technicalities in diagnostic haematology.

Professor Abid Jameel - Oncology Department - Hayatabad Medical Complex, Peshawar - "Frontline and Subsequent Treatment Decision in Chronic Myeloid Leukemia" Dr. Asad Hayat - Consultant Pathologist, Shaikat Khanum Memorial Cancer Hospital - Lahore "Flow Cytometry" Dr. Muneeza Junaid - Associate Professor of Haematology, Sahiwal Medical College, Sahiwal - "Diagnostic Approach to Hemolytic Anemia"

Lunch break was enjoyed by the participants who also registered for the Pakistan Haematology Society and availed the book regarding hemoglobinopathies in patients in Pakistan. Everyone joined in the auditorium following the lunch break to attend a very motivating lecture by Dr. Saba Jamal. It was a thought provoking lecture and gave hope to all hematologists that with dedication one can achieve the impossible.

Dr. Saba Jamal - Director Indus Hospital - Blood Center - Karachi "Scenarios and Challenges in Blood Banking"

The second day symposium ended with a vote of thanks by Dr. Shahtaj Khan and Prof. Dr. Fazle Raziq, who thanked the President PSH for the opportunity to host the symposium. They thanked the participants and audience for the attentive attendance. They acknowledged the hard work of the postgraduate trainees in making the 6th National Pakistan Society of Haematology symposium a great success.



12th FCPS Haematology Course

12th PSH Haematology Intensive course
Section of Hematology and Transfusion Medicine
Department of Pathology
Aga Khan University

FCPS is regarded as the highest degree achieved by the doctors in any specialty in Pakistan.

It is always scary for students to appear in the exams, one comes across it very often. One way to manage exam stress is to do crash courses that help students in revising their course syllabus and give them a quick revision.

Pakistan society of Haematology (PSH) have been arranging such intensive courses for the last 12 years which help students across the country and this time it was arranged in Section of Haematology and transfusion medicine, Department of Pathology and transfusion medicine, Aga Khan University Karachi on 21st -22nd February 2018. Residents-on-training from different institutes of the country participated in the course. Dr Natasha Ali, Assistant professor at Aga Khan University Hospital (AKUH), Karachi coordinated and organized the course.



Group photo of participants and speakers during 12th PSH Haematology Intensive course held at Aga Khan University Karachi



It was a two-day event which included different sub-sections of Haematology. Day 1 comprised of two sessions. Session 1 started with welcome address by Prof. Dr. Salman Naseem Adil, Aga Khan University. The first learning session was on morphology in haematological malignancies by Major General (retd) Parvez Ahmed from Armed Forces Institute of Pathology (AFIP) Rawalpindi.

Immunophenotyping by flowcytometry is considered as an important and essential diagnostic tool in malignant haematology. It is mandatory for students to learn basic principles and panels for proper diagnosis of common malignant haematological disorders. Dr Arsalan Ahmed, Assistant professor in Section of Histopathology at Aga Khan University gave a formal and very useful presentation. At the end, he discussed interactive cases from flowcytometry enabling participants to understand the diagnosis. This was particularly appreciated by those residents whom institutes lack this facility.

Prof. Dr Nisar Ahmed, Professor of Paediatric Haematology, BMT & Transfusion Medicine, The Children's Hospital and Institute of Child Health, Lahore started session two of day 1 with diagnosis of haemoglobinopathies. He also briefed the residents regarding how to take practical exams in FCPS part II and provided them with useful pedagogy for written/ practical exam. Prof. Dr. Bushra Moiz, Professor of Haematology at Aga Khan University had an interactive session on diagnosis of haemolytic anemia with a focus on autoimmune hemolytic anemia. She discussed at length the serological diagnosis in a blood bank for such cases. Major General (Retd) Parvez Ahmed (AFIP) discussed bone marrow failure in an interactive session.



Quality assurance (QA) and quality control (QC) is an integral part of diagnostic haematology without which tests cannot be performed and results cannot be reported to patients. Quality assurance sessions included application of West guard rules, assessment of external quality control data and assessment of internal quality control data. After formal presentation on QA and QC by Dr Muhammad Shariq, Assistant Professor at Aga Khan University, participants were given practice questions. The session was well attended and appreciated by all the participants.

Day 2 included important topics from transfusion medicine and hemostasis followed by practice sessions. Prof. Dr. Muhammad Irfan, Professor of Haematology from Liaquat National Hoapital, Karachi gave lecture on Thrombocytopenias. This was followed by a very important topic on ABO blood group discrepancies by Brig. Nuzhat Salamat of PNS Shifa Hospital Karachi, followed by a lecture on Interpretation of antigram presented by Dr Farheen Karim, Assistant Professor of Aga Khan University. She emphasized interpretation of antibody screening and identification and gave practice antigrams to the participants for self-learning.

There was also a lecture on approach to a patient with bleeding disorders given by Dr Muhammad Usman Shaikh, Associate Professor at Aga Khan University Karachi. Coagulation section focused on case discussions and interpretation of coagulation tests like thrombophilia screening and work up of anti-phospholipid syndrome. Dr. Anila Rashid, Assistant Professor, Aga Khan University discuss diagnosis of inherited thrombophilia with its pitfalls. This was followed by discussion of cases concluding day 2 of the course. At the end, Prof. Dr. Nisar Ahmed and Professor Dr Afia Zafar (Chair of department of Pathology and Laboratory Medicine, AKUH) distributed the certificates of participation to all attendees.



PSH Monthly Meeting (Lahore Chapter) at CH&ICH

The PSH Monthly meeting Lahore was held in The Children's Hospital and Institute of Child Health, Lahore on Tuesday, 20th March, 2018.

Two interesting cases were presented, the first one on Acquired Pure Red Cell Aplasia, by Dr. Ayesha Khanum final year resident of The Children's Hospital, Lahore and the next one on Primary Immunodeficiency/ Severe Combined Immunodeficiency by Dr. Asma Mehmood final year resident of The Children's Hospital, Lahore. Both cases were elaborately presented. This was followed by a collaborative discussion on PSH goals and upcoming academic events by Prof. Dr. Nisar Ahmed, Professor of Paediatric Haematology, BMT and Transfusion Medicine, The Children's Hospital and Institute of Child Health, Lahore. The meeting proved to be an excellent opportunity of learning various practical and clinical aspects for the Young Haematologists.





Psh Monthly Meeting Lahore Chapter at UHS

The PSH Monthly meeting Lahore was held in University of Health Sciences, Lahore on Tuesday, 10th April, 2018. It was organized by Prof. Dr. Shahida Mohsin, Dr. Nazish Mazari and their team of trainees. The meeting started with the recitation of Holy Quran and was followed by a case presentation of pain abdomen and melena by Dr. Umer Naseem, Student of M.Phil Haematology. He accurately presented the clinical feature and management of Paroxysmal Nocturnal Haemoglobinuria (PNH). The next case was presented by Dr. Zaeema Najeeb Student of M.Phil Haematology. It was a case of Menorrhagia and well described. The two clinical cases were followed by a short presentation on mixing studies procedure which proved to be very beneficial for Young Residents.



The meeting was concluded after a healthy discussion and a short question answer session by Prof. Dr. Nisar Ahmed, Prof. Dr. Shahida Mohsin, Dr. Ayesha Imran and others.





Psh Monthly Meeting Lahore Chapter at FMH

The PSH Monthly meeting Lahore was held in Fatima Memorial Hospital, Lahore on Tuesday, 22nd May, 2018. Despite the Holy Month of Ramazan, the attendance of the participants as well as senior hematologists was commendable. Two interesting cases were presented, the first one on Chronic Lymphocytic Leukemia, by Dr. Sidra Hassan resident of Shaikh Zayed Hospital, Lahore and the next one on Thrombotic Thrombocytopenic purpura by Dr. Fatima Zahra resident of Mayo Hospital, Lahore. Both cases were elaborately presented. This was followed by a short presentation on Karyotyping procedure which proved to be equally interesting. The meeting was followed by a healthy discussion by Prof. Dr. Nisar Ahmed, Prof. Dr. Samina Naeem, Prof. Dr. Ayesha Ehsan and Dr. Tariq Mehmood. The meeting proved to be an excellent opportunity of learning various practical and clinical aspects for the Young Haematologists.





Case Report

DAT Negative Autoimmune Hemolytic Anemia In A Middle Aged Morbid Male

Dr. Shazia Yaseen, Dr. Javaria Fatima, Prof. Dr. Nisar Ahmed,
Department of Haematology, Transfusion Medicine and Bone Marrow Transplant Unit,
Children's Hospital, Lahore

Abstract

DAT Negative Autoimmune Hemolytic Anemia is a type of hemolytic anemia in which the standard direct antiglobulin reaction (Coombs test) is negative but a confirmatory test indicates that the red cells are opsonized with concerned antibody. If there is clinical evidence of hemolysis but DAT remains negative, a more sensitive technique should be used for further investigation.

Key words: Autoimmune hemolytic anemia, Coombs test.

Introduction:

Autoimmune Hemolytic Anemia (AIHA) is a relatively uncommon disorder that occurs due to presence of IgM, IgG or complement antibodies against the red cell antigens. The severity of clinical features is according to degree of hemolysis and varies among patients which depends upon the characteristic of the antibody. In a proper clinical setup the diagnosis of AIHA is by a positive Coombs test. However, the literature has shown the cases of AIHA in which the standard direct antiglobulin test was negative but the clinical features, degree of hemolysis and confirmatory tests indicate the presence of antibodies coating the red cell membrane.

Case Report:

Patient named ABC, 45 years old morbid obese male, known case of diabetes mellitus, resident of Lahore, referred to Haematology department of Children Hospital on 10th February 2018. He presented with complain of pallor, shortness of breath and generalized weakness for one month. The family history was not significant. On examination he was pale and jaundiced with mild splenomegaly and no lymphadenopathy. CBC counts showed Hb of 7.8g/dl, WBC count of 17.2, and platelets 611. ESR was 90mm after the first hour. Differential count revealed neutrophils 90%, myelocytes 02%, metamyelocytes 02%, lymphocytes 04%, monocytes 01% and eosinophils 01%. No blasts/atypical mononuclear cells were seen. Peripheral smear examination revealed microcytosis, polychromasia, microspherocytes and anisopoikilocytosis. There was prominent neutrophil leukocytosis with many small platelet clumps. Reticulocyte count was 20%. Coombs test was performed twice on different occasions with polyspecific AHG reagent at 4 degrees and 37 degrees by tube method and showed consistently negative DAT. Patient could not afford more sensitive/modified methods of DAT testing. Hence on the basis of clinical and laboratory findings, a provisional diagnosis of DAT negative AIHA was made.

Patient was started on tab. prednisolone 1mg/kg/day. There was dramatic improvement with a rise in Hb to 9.6gm/dl and a reduction in reticulocyte count to 7%. Patient is currently doing well with no requirement of blood transfusion and is receiving maintenance doses of steroids.

Discussion:

Hemolytic anemias depict the peripheral destruction of RBCs as shown by decrease in Hb, reticulocytosis, jaundice and splenomegaly. Hemolytic anemias can be divided into immune and non immune causes. The immune hemolytic anemias can be autoimmune in nature and are usually classified on basis of characteristic of offending antibody such



as warm or cold. The diagnosis of AIHA requires the detection of IgG antibodies or complement on patient RBC membrane. This is identified by a positive direct antiglobulin test (DAT). Warm AIHA is the more common form. The DAT is based on the principle that non human species immunized with human globulins will form anti human globulin (AHGs). These AHGs can bind to human globulin such as complement and IgG and give positive reaction. In DAT, in vivo sensitization of RBCs is detected.

Evidence has shown that 5-10% of all autoimmune hemolytic anemias are DAT negative. Three basic reasons account for the absence of positive DAT.

1. IgG sensitization below the threshold for detection by the commercial antiglobulin reagents.
2. Low affinity IgG which can be removed by washing procedure.
3. Red cell sensitization by IgA alone and not accompanied by complement fixation and thus not detectable by a commercial antiglobulin reagent that contains anti IgG and anti C3.

In these cases a more sensitive or modified DAT can be used eg the Dia Med DAT gel card which contains a set of monospecific AHG reagents, anti IgG, anti IgA, anti IgM, anti C3d and inert control. As there is no washing phase, this permits detection of low affinity IgG, IgA and IgM antibodies. A gel card can also pick up the rare IgA only autoimmune hemolytic anemia. Regarding management of these cases, as with the DAT positive AIHA, they respond well to corticosteroids. Cases of patients not responding to steroids or with intolerable side effects, may be offered splenectomy, immunosuppressive drugs, IVIg or plasmapheresis.

In conclusion, DAT negative AIHA needs to be recognized so an early diagnosis can be made or sensitivity of Coombs test enhanced by modification so appropriate therapy can be given to these patients.

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Data Collection Proforma

Alhamd-o-Lillah, under the banner of PSH, we have started a long awaited dream of haematology registry for different diseases, Diamond Black fan Anaemia, Fanconi's Anaemia, Glanzman Thrombasthenia, Bernard Soulier Syndrome and many more diseases.

Following is the registry proforma for Diamond Black fan Anaemia which will be shortly available on PSH website (www.psh.org.ok) and we will be pleased to accept the case entries from various Haematology Centers of Pakistan.

Data Collection Proforma

Pure Red Cell Aplasia (PRCA)

MR Number* Lab Number* Age* Gender* Date*

 Male Female

Name* Phone*

First Name and Last Name

Address*

History

H/O Transfusion H/O Sibling Death H/O Drug Intake H/O Infection Family History

Yes No Yes No Yes No Yes No Yes No

Clinical Signs and Symptoms

Pallor Jaundice Splenomegaly Lymphadenopathy Congenital Anomalies

Yes No Yes No Yes No Yes No

Investigation

CBC & Peripheral Film Retics Bone Marrow Biopsy

HbF Level Molecular Genetics & ADA Levels

Submit



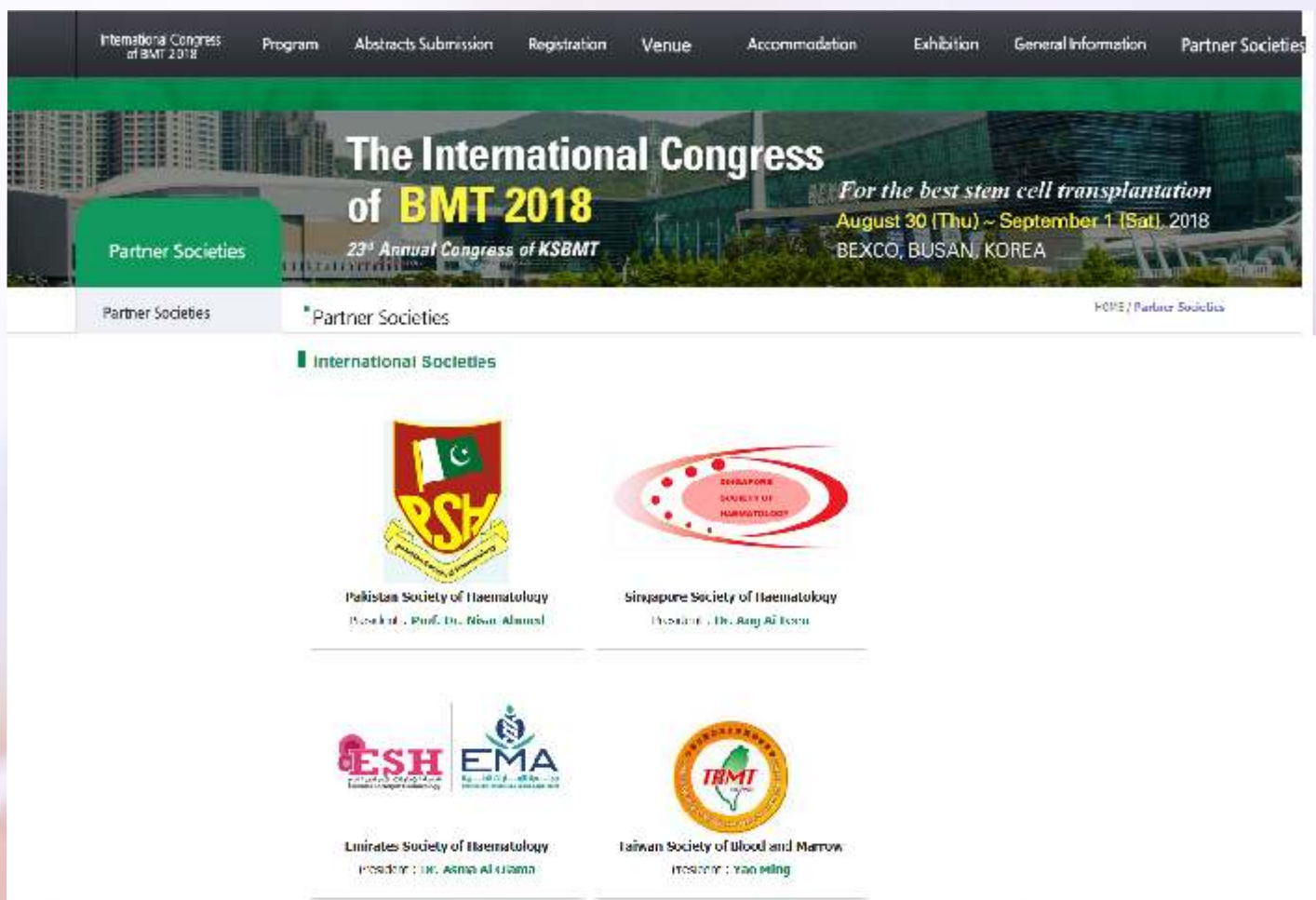
Print



International Societies

With pleasure it is announced, that dream of current officer bearers of PSH to collaborate with other international societies of Haematology for the sake of acquiring new ideas, exchanges of knowledge and networking has taken up the shape and for the first time a delegation of hematologists under the flagship Pakistan Society of Haematology is going to represent Pakistan in upcoming ICBMT 2018 in Busan, South Korea on 30th August to 1st September, 2018. Korean Society Blood and bone marrow transplantation (KSBMT) and the organizing committee has be kind enough to put up the logo of PSH on their web page and is awarding travelgrant to the participants. Hopefully this will be fist raindrop. So keep shining hematologist under the Umbrella of Pakistan Society of Haematology (PSH).

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Secretary/Treasurer,
Pakistan Society of Haematology (PSH)
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Malaysian Society of Haematology (MSH)
President : Dr. Amreda Sofian



The Japan Society for Hematopoietic Cell Transplantation (JSHCT)
President : Shinichiro Okamoto



International Society for Cellular Therapy (ISCT)
President : IBA

Domestic Societies



The Korean Society of Hematology

The Korean Society of Hematology

President : Prof. Hyung-jun Kim



The Korean Society of Pediatric Hematology Oncology

President : Prof. Chang Min Kim



The Korean Society of Blood Transfusion

President : Prof. Sang-Soo Yoon



Korean Society on Thrombosis and Hemostasis

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WBC MORPHOLOGY QUIZ

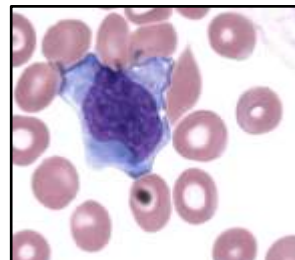
Identify the type of lymphocyte



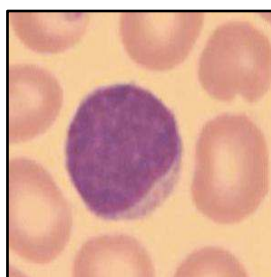
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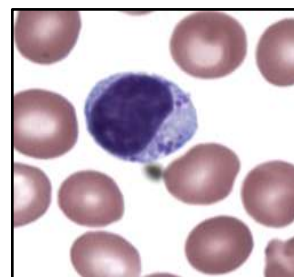
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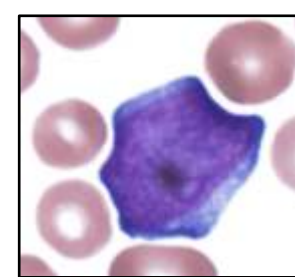
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Picture-4

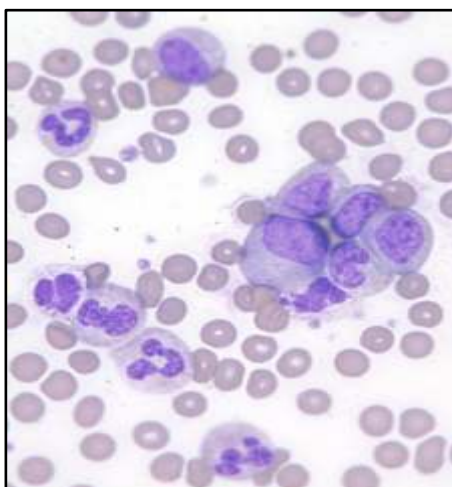


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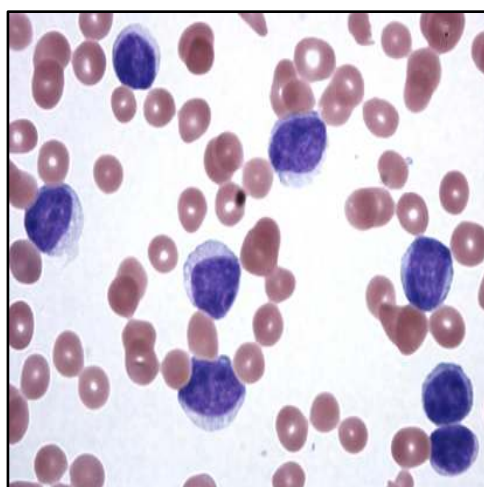


Picture-6

Spot Diagnosis



Picture-7



Picture-8

Answer on page 33



UPCOMING EVENT

NATIONAL

- 1st PSH FCPS Intermediate Module Workshop
AFIP, Rawalpindi, Punjab
July 9th – 10th, 2018
- 7th PSH National Haematology Symposium
Bahawalpur, Punjab
July 17th, 2018
- 8th PSH National Haematology Symposium
Abbottabad, KPK
August 18th, 2018
- 1st PSH Haematology Updates Myeloproliferative neoplasms
CH & ICH, Lahore, Punjab
September 12th, 2018
- 9th PSH National Haematology Symposium
Larkana, Sindh
September 25th, 2018
- 13th FCPS Intensive Course
CH & ICH, Lahore Punjab
October 10th – 13th, 2018
- 10th PSH National Haematology Symposium
Muzaffarabad, AJK
November 17th, 2018
- 11th PSH National Haematology, Symposium
Sargodha, Punjab
December 15th, 2018
- 12th PSH National Haematology, Symposium
Gilgit -Baltistan
February 9th, 2019



INTERNATIONAL

- **International Society of Blood Transfusion (ISBT),
35th International Congress of the ISBT
Toronto, Canada, June 2nd – 6th, 2018**<http://www.isbtweb.org>
- **International Society on Thrombosis and Hemostasis (ISTH),
SSC Dublin, Education, Innovation, Celebration,
Dublin, Ireland on July 18-21, 2018,** <http://www.ssc2018.org>
- **The International Congress of BMT 2018
23rd Annual Congress of KSBMT
For the Best Stem Cells Transplant August 30th (Thu) – September 1st (Sat), 2018
BEXCO, Busan, Korea** <http://www.icbmt.or.kr>
- **AABB Annual Meeting
Boston Convention & Exhibition Center, Boston, Massachusetts, USA
October, 13th – 16th, 2018,** <http://aabb2018.org>

Answers

Picture– 1 Reactive Lymphocyte

Picture– 2 Small Lymphocyte

Picture– 3 Atypical Lymphocyte

Picture– 4 Classical Small Lymphocyte

Picture– 5 Large Granular Lymphocyte (LGL)

Picture– 6 Lymphoid Blast

Picture– 7 Chronic Myelogenous Leukemia

Picture– 8 Chronic Lymphocytic Leukemia

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any other agent in its
category¹⁰⁻¹²

Novoseven® 1 mg powder and solvent for solution for injection. **Qualitative and quantitative composition** octaplas (activated) 1 mg/ml (corresponds to 50 IU/100 µl), 1 mg/ml after reconstitution. **Indications:** Novoseven® is indicated for the treatment of bleeding episodes and for the prevention of bleeding in those undergoing surgery or invasive procedures in the following patient groups: in patients with congenital haemophilia who are expected to have a high anamnestic response to factor VIII or factor IX administration, in patients with acquired haemophilia, in patients with congenital FVII deficiency, in patients with Glanzmann's thrombasthenia with antibodies to GPIIb/IIIa and/or FIIa, and with past or present refractoriness to platelet transfusions. **Posology:** Treatment should be initiated under the supervision of a physician experienced in the treatment of haemophilia and/or bleeding disorders. **Dosage:** Haemophilia A or B with inhibitors or expected to have a high anamnestic response: Novoseven® should be given as early as possible after the start of a bleeding episode. The recommended initial dose, administered by intravenous bolus injection, is 90 µg per kg body weight. Following the initial dose of Novoseven® further injections may be repeated. Dose interval: Initially 2-3 hours to obtain haemostasis. If continued therapy is needed, the dose interval can be increased successively once effective haemostasis is achieved to every 4, 6, 8 or 12 hours for as long as treatment is judged as being indicated. Mild to moderate bleeding episodes (including home therapy): Early intervention has been shown to be efficacious in the treatment of mild to moderate joint, muscle and mucocutaneous bleeds. Two dosing regimens can be recommended: 1) Two to three injections of 90 µg per kg body weight administered at three-hour intervals. If further treatment is required, one additional dose of 90 µg per kg body weight can be administered. 2) One single injection of 270 µg per kg body weight. The duration of the home therapy should not exceed 24 hours. Serious bleeding episodes: An initial dose of 90 µg per kg body weight is recommended and could be administered on the way to the hospital where the patient is usually treated. The following dose varies according to the type and severity of the haemorrhage. Dosing frequency should initially be every second hour until clinical improvement is observed. If continued therapy is indicated, the dose interval can then be increased to 3 hours for 1-2 days. Thereafter, the dose interval can be increased successively to every 4, 6, 8 or 12 hours for as long as treatment is judged as being indicated. A major bleeding episode may be treated for 2-3 weeks but can be extended beyond this if clinically warranted. Invasive procedures/surgery: An initial dose of 90 µg per kg body weight should be given immediately before the intervention. The dose should be repeated after 2 hours and then at 2-3 hour intervals for the first 24-48 hours depending on the intervention performed and the clinical status of the patient. In major surgery, the dose should be continued at 2-4 hour intervals for 6-7 days. The dose interval may then be increased to 6-8 hours for another 2 weeks of treatment. Patients undergoing major surgery may be treated for up to 2-3 weeks until healing has occurred. Acquired haemophilia: Novoseven® should be given as early as possible after the start of a bleeding episode. The recommended initial dose, administered by intravenous bolus injection, is 90 µg per kg body weight. Following the initial dose of Novoseven® further injections may be given if required. The duration of treatment and the interval between injections will vary with the severity of the haemorrhage, the invasive procedures or the surgery being performed. The initial dose interval should be 2-3 hours. Once haemostasis has been achieved, the dose interval can be increased successively to every 4, 6, 8 or 12 hours for as long as treatment is judged to be indicated. Factor VII deficiency: The recommended dose range for treatment of bleeding episodes and for the prevention of bleeding in patients undergoing surgery or invasive procedures is 15-30 µg per kg body weight every 4-6 hours until haemostasis is achieved, dose and frequency of injections should be adapted to each individual. Glanzmann's thrombasthenia: The recommended dose for treatment of bleeding episodes and for the prevention of bleeding in patients undergoing surgery or invasive procedures is 30 µg (range 20-120 µg) per kg body weight at intervals of two hours (1.5-2.5 hours). At least three doses should be administered to secure effective haemostasis. The recommended route of administration is bolus injection as lack of efficacy may appear in connection with continuous infusion. For those patients who are not refractory to platelets are the first line treatment for Glanzmann's thrombasthenia. **Contraindications:** Hypersensitivity to the active substance, the excipients, or to mouse, hamster or bovine protein. **Special warnings and precautions for use:** In pathological conditions in which tissue factor may be expressed more extensively than considered normal, there may be a potential risk of development of thrombotic events or induction of Disseminated Intravascular Coagulation (DIC) such as patients with advanced atherosclerotic disease, crush injury, septicemia or DIC. Caution should be exercised and benefit of treatment should be weighed against risk when administering to patients with a history of coronary heart disease, liver disease undergoing major surgery, neonates, or patients at risk of thrombotic phenomena or disseminated intravascular coagulation to avoid thrombotic complications. If allergic or anaphylactoid-type reactions occur, the administration should be discontinued immediately. Patients should be informed of the early signs of hypersensitivity reactions. If such symptoms occur, the patient should be advised to discontinue use of the product immediately and contact their physician. In case of severe bleeds, the product should be administered in hospital or in close collaboration with a physician preferably specialised in treatment of haemophilia patients with coagulation factor VIII or IX inhibitors. If bleeding is not kept under control, hospital care is mandatory and for prothrombin time and factor VII coagulant activity before and after administration of Novoseven®. In case the factor VII activity fails to reach the expected level or bleeding is not controlled after treatment with the recommended doses, antibody formation may be suspected and analysis for antibodies should be performed. Patients with rare hereditary problems of fructose intolerance, glucose malabsorption or sucrose-isomaltase insufficiency should not take this medicine. **Interaction:** The risk of a potential interaction between Novoseven® and coagulation factor concentrates is unknown. Simultaneous use of prothrombin complex concentrates, activated or not, should be avoided. Anti-fibrinolytics have been reported to reduce blood loss in association with surgery in haemophilia patients, especially in orthopaedic surgery and surgery in regions rich in fibrinolytic activity, such as the oral cavity. Experience with concurrent administration of anti-fibrinolytics and FVIIa treatment is, however, limited. Based on a non-medical study, it is not recommended to combine FVIIa and FVIII. **Pregnancy and lactation:** As a precautionary measure it is preferable to avoid the use during pregnancy. Therapy should be made taking into account the benefit of breast-feeding to the child and the benefit of therapy to the woman. **Undesirable effects:** Rare: Disseminated intravascular coagulation and related laboratory findings including elevated levels of D-dimer and decreased levels of AT, Coagulation, Hypersensitivity, Anaphylactic reaction, Headache Arterial thrombotic events, Angina pectoris, Nausea, Injection site reaction including injection site pain, Increased fibrin degradation products, Increase of alkaline phosphatase, lactate dehydrogenase and prothrombin. Thrombosis has been reported in FVII deficient patients receiving Novoseven® during surgery but the risk of thrombosis in factor VII deficient patients treated with Novoseven® is unknown. **Uncommon:** Venous thrombotic events (deep vein thrombosis, thrombosis at i.v. site, pulmonary embolism, thrombotic events of the liver inducing portal vein thrombosis, renal vein thrombosis, thrombophlebitis, superficial thrombophlebitis and intestinal ischaemia), Intracranial thrombus, Rash (including allergic dermatitis and rash erythematous), Pruritus and urticaria, Headache, Angiodema. Therapeutic response decreased, Pyrexia. It is important that the dosage regimen is compliant with the recommended dosage. Thrombotic events may lead to cardiac arrest. Patients with acquired haemophilia: Arterial thrombotic events (cerebral artery occlusion, cerebrovascular accidents), venous thrombotic events (pulmonary embolism and deep vein thrombosis), angina pectoris, nausea, pruritus, erythematous rash and investigation of increased levels of fibrin degradation products. Development of inhibitory antibodies to Novoseven® has been reported in a post-marketing observational registry of patients with congenital FVII deficiency. In clinical trials of patients with factor VII deficiency, formation of antibodies against Novoseven® and FVII is the only adverse drug reaction reported. Common: Arterial thrombotic event when administered outside approved indications. **Storage:** Store powder and solvent below 25°C. Store powder and solvent protected from light. Do not freeze.

PAK/Novoseven/APHST-2013/Nov-15

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Views & News

The Pakistan Society of Haematology updates is published on a quarterly basis and is a quick guide to all the happenings in the haematology community. To improve the updates, your comments and suggestions are welcome. We further encourage you to send us write ups and photographs of any PSH event in your city/province and they would be featured in our upcoming updates.

For contact, please refer to our corresponding address.

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