

Department Name:  
Department of Transfusion Service and Blood Bank

Location:  
Pathology Department's Block (Central Medical Laboratory), Rajawali Block,  
Kenyalang Block

Name of Head of Department:  
Dr. Mohammad Masrin bin Md Zahrin

Introduction:  
The prime duty of Blood Transfusion Services in Malaysia is to ensure the continuity of safe and quality blood and blood components supplied throughout all government hospitals and special institutions that carried out blood transfusion procedure.

Objective:

A. General:

Ensure blood and blood components are always enough from voluntary non-remunerated blood donation for the usage of patient.

B. Specific:

1. Maintain the quality in every procedures in Transfusion Service to ensure safe blood and blood products.
2. Recruit and maintain new donors with the effort to increase numbers of regular blood donors in order to ensure sufficient blood supply.
3. Maximize preparation of whole blood to component to ensure optimum blood products for transfusion.
4. Improve the management of Transfusion Service through latest technology to ensure efficient and effective services.

Functions:

1. Blood supply services to government and private hospitals in the zone of Kuching.
2. Diagnostic services in blood transfusion.
3. Consultative services in the various aspect of blood usage to the specialists in the government and private hospital in the state.
4. Provide training in blood transfusion for laboratory and clinical personnel.
5. Plan and develop blood transfusion services in Sarawak.

6. Assist the National Blood centre in formulating policies, guidelines, setting of standards for blood transfusion services.
7. Maintain a National Registry of Rare Blood Groups.
8. State Referral Centre for 3 screening centre: Sibu Hospital, Miri Hospital and Bintulu Hospital.
9. Coordinate budgets for the blood transfusion services
10. Audit and monitor the use of blood and blood products, and conduct economic and epidemiological evaluation from time to time.

**Services:**

We are a centre for collection, testing, processing, storage and distribution of blood to government & private sector. We also serve to keep donor records, as well as operate as a training and research centre.

No.	Site	Activities
1.1	Ground floor of Rajawali Block	Blood donor registration, screening and collection, management of off-site blood collection, receiving blood bags, blood processing and production, blood product storage and distribution.
1.2	First floor of Kenyalang Block	Verification of blood group, infectious disease testing, quality control testing, administration, reactive blood donor management.
1.3	Second floor of Kenyalang Block	Record room for storing blood donors' and blood transfusion forms
1.4	Pathology Department's Block	Pre-transfusion testing, laboratory investigations for patients, transfusion reaction investigations.

**Activities:**

Bil.	Activities	Date
A	Courses	
1.	Transfusion Medicine Update	16/5/2018
2.	Pemantapan Kualiti Perolehan Darah	16/7/2018
3.	Mesyuarat Pemantapan Kualiti bagi Pusat-pusat Saringan Darah Negeri Sarawak	29-30/8/2018
4.	Patient Blood Management Peringkat Negeri Sarawak	3/11/2018
5.	Pemantapan Immunoematologi Hospital Miri	27-28/9/2018
6.	ABO and Immunoematologi Hospital Bintulu	26/7/2018
7.	Mesyuarat Teknikal Program Perubatan Transfusi Negeri Sarawak Bil.1/2018	16/5/2018
8.	Taklimat Pelaksanaan Penggunaan Prothrombinex VF in Warfarin Reversal & Other Indication	12/10/2018
9.	Bengkel PPK: Prosedur Pengambilan Darah & Komponen Darah	2/10/2018
B	Webinar	
1.	2 <sup>nd</sup> Workshop Live 2018 Validation & Qualification	19/4/2018
2.	4 <sup>th</sup> Workshop Live 2018 Transfusion Insights: Risk Management & Assessment	31/5/2018
3.	5 <sup>th</sup> Workshop Live 2018 QC Policies, Procedures & Monitoring	19/7/2018
4.	6 <sup>th</sup> Workshop Live 2018 Benefits of QC in blood screening and statistical tools to monitor	20/9/2018
C	User Training	
1.	User Training on Immucorgamma Neo Machine	16-17/1/2018
2.	Hands on Training on Leucolab LCG2B (Macopharma)	6/3/2018
3.	MCS User Training (UPP Protocol)	26/3/2018
4.	Hands on Refresher Course for Serodia HIV PA & TPPA	25/4/2018
5.	PPE Training and Hand hygiene	4/7/2018
D	World Blood Donor Day	
	Majlis Anugerah Penderma Darah Di Kalangan Warga Hospital Umum Sarawak	11/6/2018
	38 Blood Run 2018 Peringkat Negeri	13/10/2018
E	e-bulletin	
1.	1 <sup>st</sup> edition Haemovigilance	March 2018
2.	2 <sup>nd</sup> edition Donor Management	June 2018
F	Departmental CME	Every Monday
G	Donor Clinic Case Discussion	Every Tuesday

H	Bench Tutorials	Every Wednesday
I	Journal Club & MO Teaching	Every Friday
J	Latihan Sangkutan Pelajar Kolej / MO Hospital Pakar Major	
K	Meeting of Appointment as Transfusion Link Nurse Committee	24/2/2017
L	Dialogue on Blood Request Practices	27/9/2017
M	Hospital Transfusion Committee Meeting	25/5/2018
N	Poster and Oral Presentation	
1.	Prevalence of Kidd Antibody and Clinical Manifestations among Multiple Ethnicities in Hospital Umum Sarawak (HUS), Malaysia	17-21/6/2017
2.	Prevalence of Seroconvert Donor among Repeat Voluntary Donors in Sarawak, Malaysia from 2013 to 2016	23-24/3/2018
3.	Cost Effective Measures for Optimization of Preoperative Blood Ordering Process	23-24/3/2018
4.	A Case of Autologous Donation: Managing Pregnant Lady with Extremely Rare Blood Group, RH17	23-24/3/2018
5.	TRACKERS: Transfusion-related Adverse Events Reporting System	23-24/3/2018
6.	Near Miss Events in Sarawak General Hospital 2015-2017	23-24/3/2018
O	Symposium SME Blood Supply Movement	17/4/2017
P	Roadshow on Awareness of Blood Donation	13/12/2017
Q	Working Visit to Blood Bank Sarawak General Hospital & Pusat Jantung	
1.	Dr. Noryati binti Abu Amin ( Director of National Blood Center )	12/10/2018
2.	World Health Organization	24/10/2018
R	BBIS Version 2 Change Management Workshop Zone Sarawak di Hotel Merdeka Palace	16-17/10/2018
S	Hari Inovasi Peringkat Hospital	24/8/2018
	Hari Inovasi Peringkat Negeri	16-18/10/2018
T	Audit Dalaman	

1.	Pusat Jantung Sarawak	18/7/2018
2.	Serian	26/7/2018
3.	Limbang	
4.	Bintulu	
5.	Clinical audit	
U	Online CME	
V	Donor Satisfactory Survey ( manual and electronic)	
	TML Satisfactory Survey	
W	Social media as platform of publicity	



38 Blood Run was organized by Blood Transfusion Services Sarawak General Hospital in collaboration with 38 Media in conjunction with National Sports Day at Vivacity Megamall.



CME on topic of Phenotyping Reagents was held at Blood Bank Pathology Lab on 6 September 2018. It was conducted by Borneo Pharmacy, attended by specialist, medical officer, scientific officer, medical lab technologists and hematopathology staffs



This meeting of establishment of Transfusion Link Nurse Committee was held on 24 February 2017. The transfusion link nurse's role in Sarawak General Hospital has been reviewed and updated. One of the responsibilities is that the appointed nurses will help in delivering and dissemination of information on changes in Transfusion Policy to colleagues and peers.



On 27 September 2017, there was a dialogue on Blood Request Practices with medical officer and houseman with our department.



The poster and oral presentations were held at International Society of Blood Transfusion (ISBT) Copenhagen, Denmark on 17-21 June 2017 and at Borneo Scientific Meeting, Riverside Majestic Hotel on 26-27 July 2017.





Symposium SME Blood Supply Movement was held on 17 April 2017 where Lieutenant John Stephan and his colleagues of US Army were invited to share and give talks.



Roadshow on Awareness of Blood Donation was held on 13 December 2017 at Kuching International Airport.





We have facebook, Instagram, twitter and others as our platform of publicity to reach out to blood donors. For facebook, our ranking as third government agencies with 6,000 followers.