

HFW-28013(17)/16/2023-BS SEC-Dept. of H&FW/
GOVERNMENT OF WEST BENGAL
DEPARTMENT OF HEALTH & FAMILY WELFARE
State Blood Transfusion Council, West Bengal
Swasthya Bhawan, 1st Floor, GN-29, Sector V, Salt Lake, Kolkata – 700 091

Memo No. HFW-28013(17)/16/2023-BS SEC-Dept. of H&FW/ 139

Date: 21.07.2023

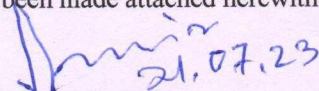
Guidelines of Platelet Transfusion

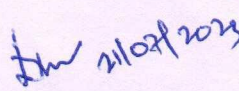
In order to streamline rational use of Random Donor Platelet (RDP), Medical Officers treating Dengue patients should follow the following guidelines as envisaged by WHO and GOI.:-

1. Prophylactic platelet transfusion can be given where the platelet count is below 10,000 / cumm without bleeding.
2. No need of prophylactic platelet transfusion in cases having platelet count between 10,000 and 20,000/cumm without bleeding.
3. Thrombocytopenia in dengue patients is transient and short-lived and there is no necessity of repeated or chronic platelet transfusion in this condition. Therefore, platelet transfusion may be given with ABO across RDP in this clinical setting.
4. While transfusing ABO across platelets, selection of O group RDP should preferably be discouraged.
5. Rh negative subjects can be transfused with Rh positive platelets into all adult male and female beyond child bearing age.
6. Rh negative female child, pregnant woman and woman of child bearing age should be transfused with Rh negative platelets.
7. ABO compatible or identical platelets are ideally selected for transfusion into pediatric patients.
8. In cases where platelet count is above 20,000/cumm in the background of systemic massive bleeding (WHO grade II or more), decision of platelet transfusion has to be taken on individual case to case basis.
9. In case of systemic bleeding in dengue, correction of underlying coagulopathy has to be ensured in addition to giving platelet transfusion.
10. While asking for platelet, the Medical Officer / Physician / Bed-in-charge (BIC) must mention clearly **“Group specific / Any group”** on the requisition, so that the concerned blood banks would be able to provide RDP without any delay according to specific need and availability of stock of platelet.
11. One should keep in mind the possible adverse reactions of platelet transfusion. Some of them are potentially life threatening. These are as follows:-
 - i) Febrile Non-Hemolytic Transfusion Reactions (FNHTR)
 - ii) Transfusion Related Acute Lung Injury (TRALI)
 - iii) Transfusion Related Immuno-Modulation (TRIM)
 - iv) Anaphylactic Reaction
 - v) Bacterial Sepsis
 - vi) Transfusion Associated Circulatory Overload (TACO)
 - vii) Transfusion Associated Dyspnoea (TAD)
 - viii) Transfusion Transmitted Diseases (TTD) etc.

Therefore, inadvertent use of platelet should always be discouraged and avoided.

For supply of platelets (RDP), a tagging of Non-BCSU Blood Centres with those of BCSU Blood Centres in Govt. Sector have been made attached herewith as **Annexure-A**.


Director of Health Services
Dept. of Health & Family Welfare


Director of Medical Education
Dept. of Health & Family Welfare

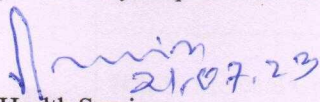
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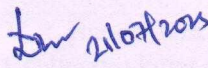
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Date: 21.07.2023

Copy forwarded for information to:

- 1) MD, NHM
- 2) Special Secretary, Dept. of H&FW and Project Director, WBSAP&CS & Member Secretary, SBTC
- 3) PS to Principal Secretary, Dept. of H&FW


Director of Health Services
Dept. of Health & Family Welfare

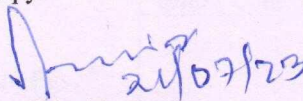

Director of Medical Education
Dept. of Health & Family Welfare

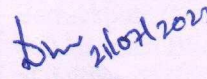
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Copy forwarded for information and necessary action to:

- 1) Principal,MCH (All)
- 2) MSVP,MCH (All)
- 3) Jt. Director (SPSRC)
- 4) Jt. Director (Blood Safety)
- 5) DDHS (Admn.)
- 6) DDHS (HA)
- 7) Director, IBTM&IH
- 8) ADHS (Clinical Establishment) – with the director to circulate this amongst all the health facilities (both Govt. & Private) under his jurisdiction.
- 9) CMOH,.....District and Health District (All) – with the direction to circulate this amongst all the health facilities (both Govt. & Private) under his jurisdiction.
- 10) SPO, State Blood Cell
- 11) Dy. CMOH-II,.....District and Health District (All)
- 12) Director,RBTC (All)
- 13) MOIC,Blood Centres (All)
- 14) IT Cell, Dept. of H&FW – for posting in the departmental website.
- 15) Office copy.


Director of Health Services
Dept. of Health & Family Welfare


Director of Medical Education
Dept. of Health & Family Welfare

Annexure-A

Tagging of State Govt. Blood Centres with respective State Govt. BCSUs for supply of Platelet (RDP) for Dengue Management.

Sl. No.	District	Name of the BCSU	Name of the Blood Centre
1	Kolkata	Institute of Blood Transfusion Medicine & Immuno Haematology (Central Blood Centre)	Serampore S.D.Hospital (Walsh) Blood Centre (1 st point of delivery)
			Salt Lake S.D.Hospital Blood Centre (2 nd Point of delivery)
		Calcutta Medical College & Hospital Blood Centre	Metiabruz SSH Blood Centre
			Panskura SSH Blood Centre (2 nd Point of delivery)
		N.R.S. Medical College & Hospital Blood Centre	M.R. Bangur Dist. Hospital Blood Centre(2 nd Point of delivery)
			Uluberia S.D. Hospital Blood Centre(2 nd Point of delivery)
		SSKM Hospital Blood Centre	M.R. Bangur Dist. Hospital Blood Centre(1 st Point of delivery)
		R.G. Kar Medical College & Hospital Centre	Barrackpore (Dr. B.N. Bose) S.D. Hospital Blood Centre(2 nd Point of delivery)
			Chandannagar S.D. Hospital Blood Centre (2 nd point of delivery)
		Calcutta National Medical College & Hospital Centre	Baruipur S.D.Hospital Blood Centre(2 nd Point of delivery)
Dr.B.C.Roy PGIPS Blood Centre	Chittaranjan National Cancer Institute Blood Centre		
ESI Hospital, Maniktala Blood Centre	-----		
2	Howrah	Howrah Dist. Hospital Blood Centre	Uluberia S.D. Hospital Blood Centre(1 st Point of delivery)
3	South 24 PGS	Canning S.D.Hospital Blood Centre	Baruipur S.D.Hospital Blood Centre(1 st Point of delivery)
4	Diamond Harbour HD	Diamond Harbour Govt. MCH Blood Centre	Kakdwip S.D.Hospital Blood Centre
5	North 24 Pgs	College of Medicine & Sagore Dutta Hospital Blood Centre	Salt Lake S.D.Hospital Blood Centre(1 st Point of delivery)
		Barasat Dist. Hospital Blood Centre	Barrackpore (Dr. B.N. Bose) S.D.Hospital Blood Centre(1 st Point of delivery) Bongaon (Dr. J.R. Dhar) S.D.Hospital Blood Centre (2 nd point of delivery)
6	Basirhat HD	Basirhat Dist. Hospital Blood Centre	Bongaon (Dr. J.R. Dhar) S.D. Hospital Blood Centre (1 st point of delivery)
7	Purba Medinipur	Tamluk Dist. Hospital Blood Centre	Haldia S.D. Hospital Blood Centre
			Egra SSH Blood Centre
			Panskura SSH Blood Centre(1 st Point of delivery)
8	Nandigram HD	Nandigram SSH Blood Centre	Contai S.D.Hospital Blood Centre
9	Paschim Medinipur	Medinipur Medical College & Hospital Blood Centre	Kharagpur S.D.Hospital Blood Centre
			Ghatal S.D.Hospital Blood Centre
			Debra SSH Blood Centre
10	Jhargram	Jhargram Dist. Hospital Blood Centre	Nayagram SSH Blood Centre
			Gopiballavpur SSH Blood Centre

11	Bankura	Bankura Sammilani Medical College & Hospital Blood Centre	Khatra S.D.Hospital Blood Centre
			Barjora SSH Blood Centre
			Chhatna SSH Blood Centre
			Purulia Dist. Hospital (Deben Mahato) Blood Centre
12	Bishnupur HD	Bishnupur Dist. Hospital Blood Centre	Onda SSH Blood Centre
13	Paschim Bardhaman	Asansol Dist. Hospital Blood Centre	Raghunathpur SSH Blood Centre
			Durgapur S.D.Hospital Blood Centre
14	Nadia	CoM & Jawaharlal Nehru Memorial (JNM) Hospital Blood Centre	Gandhi Memorial Hospital Blood Centre
			Krishnanagar (Saktinagar) Nadia Dist. Hospital Blood Centre
			Ranaghat S.D. Hospital Blood Centre
15	Purba Bardhaman	Burdwan Medical College & Hospital Blood Centre	Tehatta S.D.Hospital Blood Centre
			Nabadwip SGH Blood Centre
			Katwa S.D.Hospital (Hemraj) Blood Centre
16	Hooghly	Hooghly Dist Hospital Blood Centre	Kalna S.D.Hospital Blood Centre
			Arambagh S.D.Hospital Blood Centre
17	Birbhum	Suri Dist. Hospital Blood Centre	Chandannagar S.D.Hospital Blood Centre (1 st point of delivery)
			Serampore S.D.Hospital (Walsh) Blood Centre (2 nd point of delivery)
18	Rampurhat HD	Rampurhat Govt. MCH Blood Centre	Bolpur S.D.Hospital Blood Centre
19	Murshidabad	Murshidabad Medical College & Hospital Blood Centre	Sagardighi SSH Blood Centre
			Jangipur S.D.Hospital Blood Centre
			Kandi S.D.Hospital Blood Centre
			Lalbagh S.D.Hospital Blood Centre
20	Malda	Malda Medical College & Hospital Blood Centre	Domkal SSH Blood Centre
21	Dakshin Dinajpur	Balurghat Dist. Hospital Blood Centre	Chanchal SSH Blood Centre
22	Uttar Dinajpur	Raiganj Govt. Medical College & Hosital Blood Centre	Gangarampur S.D.Hospital Blood Centre
23	Jalpaiguri	Jalpaiguri Dist. Hospital Blood Centre	Islampur S.D.Hospital Blood Centre
		Mal SSH Blood Centre	-----
24	Coochbehar	Coochbehar Dist. Hospital (MJN) Blood Centre	-----
			Dinhata S.D.Hospital Blood Centre
25	Alipurduar	Alipurduar Dist. Hospital Blood Centre	Mathabhanga S.D.Hospital Blood Centre
			Falakata SSH Blood Centre
26	Darjeeling	North Bengal Medical College & Hospital Blood Centre	Birpara SGH Blood Centre
			Kurseong S.D.Hospital Blood Centre
			Darjeeling Dist. Hospital Blood Centre
27	Kalimpong	Kalimpong Dist. Hospital Blood Centre	-----
			Siliguri Dist. Hospital Blood Centre

Joint Director (Blood Safety)

Joint Director (Blood Safety & BSD)
West Bengal State AIDS
Prevention & Control Society
Swasthya Bhawan
Dept. of Health & Family Welfare
Government of West Bengal

Director (Public Health)

Dr. Asit Kumar Biswas
Director
Public Health Programme
Department of Health & Family Welfare
Govt. of West Bengal

