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POST-DONATION INFORMATION: AN IMPORTANT ELEMENT OF DONOR HAEMOVIGILANCE

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POST-DONATION INFORMATION

- The Balearic Island Hemovigilance Division (BIHVD) located in the Balearic Island Blood Bank (BIBB) facility, one of the 17 regional Hemovigilance divisions in the Spanish Hemovigilance network, collects and analyses all serious transfusion events reported by the Balearic Island Medical Centers..
- The BIHVD system, as well as the Spanish Hemovigilance Network, meet the requirement of the European Directive 2005/61/EC on Hemovigilance, and are based on an anonymous, voluntary, non-punitive serious adverse events reporting program.

POST-DONATION INFORMATION



**Balearic Island
Hemovigilance
Division**

SPAIN



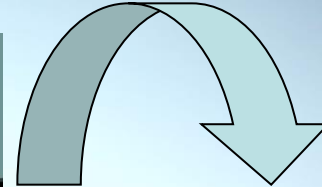
POST-DONATION INFORMATION

- Early post-donation information (ePDI) is an essential element of donor haemovigilance since it helps to monitor the safety in donor screening process through medical interview.
- ePDI notification can be defined as deferrable medical history or donor behaviour not disclosed at the time of donation, but it is subsequently notified by the blood donors or by other reliable source before the following donation.

POST-DONATION INFORMATION

During the years 2005 and 2013, we analyzed the number and the categories of ePDI that were voluntary reported by the blood donors or by other reliable source early after the donation.

POST-DONATION INFORMATION



Early notification



Voluntary Blood Donor



BIHVD registration



POST-DONATION INFORMATION

- The ePDI were classified in the following categories:
 - Mild infections as flu, cold and gastrointestinal infections.
 - High-risk–sexual behaviour
 - High-risk–nonsexual behaviour as having close contact with a person viral hepatitis, having a tattoo, ear or skin piercing, acupuncture or coming into contact with someone else's blood
 - Travelling history to or being born in an endemic area either for parasite diseases as Malaria and Chagas disease or for other infectious disease such as HTLV I/II infection and Creutzfeldt-Jacob disease
 - A deferrable medical history as cancer or epilepsy, etc.
 - A deferrable medical treatment as finasteride, isotretinoin, etc. and
 - Blood diseases as bleeding disorders.

POST-DONATION INFORMATION

Years	2005	2006	2007	2008	2009	2010	2011	2012	2013	Total	Percentage (%)
Donations	40,835	39,475	38,602	41,185	43,869	43,414	42,181	40,054	38,168	367,783	
Donors	21,563	22,54	22,486	25,006	27,722	26,121	25,294	24,491	22,839	218,062	
ePDI	23	29	20	17	27	20	29	23	26	214	100
Mild Infections	14	13	6	8	16	14	13	14	11	109	50.9
High-risk-sexual	2	5	3		3	1	7	3	4	28	13.1
High-risk-nonsexual	5	5	7	4	5		3	1	6	36	16.8
Travel to or born in an endemic country		5	1	2	1	1	3	1	1	15	7.0
Medical history				2		3	2	1	2	10	4.7
Medical treatment	2	1	2	1		1			0	7	3.3
Blood disease			1		2		1	3	2	9	4.2

POST-DONATION INFORMATION

- The most common ePDI notification is the **mild infections** symptoms reported by donors few days after giving blood.
- It is likely that donors donate blood during the asymptomatic incubation period of the infection.
- In order to prevent from using their donation for transfusion it is important to encourage donors to contact with the Blood Bank staff early after donation as soon as infection's symptoms appear.

POST-DONATION INFORMATION

- Other interesting aspect that needs to be investigated is the reason why some donors either forgot or intentionally fail to give information about their **high-risk–nonsexual, high-risk–sexual behaviours** and other conditions during the medical interview at the time of the donation.
- In our experience, the ePDI notification can be considered a very useful tool for monitoring medical interview accuracy.

Thank you very much



Questions?