

CyberTrack

Web-based transfusion management

<http://www.mips.be>

Online transfusion management

CyberTrack is a web-based application for online transfusion registration and tracking.

It allows health care providers (nurses, doctors) from outside the laboratory to register a blood transfusion and to consult recent, current and future transfusion info.

One of the main features of CyberTrack is the possibility to register the start and end of a blood transfusion process from outside the laboratory.

Beside the actual transfusion registration, CyberTrack also allows consulting detailed blood bag and patient data from the LIS by scanning the blood bag or patient identification.

These features provide full traceability of the entire transfusion process, from ordering the blood bag to registering the actual transfusion.

CyberTrack

- Final bed-side compatibility check
- Transfusion registration from outside the lab
- Full traceability of the transfusion process
- Transfusion history consultation
- Online retrieval of blood bag and patient info
- Fast and secure communication with the lab
- Multilingual user interface

The screenshot shows the CyberTrack web application interface. At the top left, the user is identified as 'Sofie Huylebroeck' in 'IC1 - Intensive Care 1' ward. Navigation buttons include 'Start', 'End', 'Lists', 'Log off', and 'Info'. On the right, there are input fields for 'Blood bag info' and 'Patient Info'. Below this is a table titled 'Patients of Intensive Care 1' with the following data:

Blood bag no.	State	Since	Product	Bl.gr.	Antigens	Transf. before	Location
-	Requested	06/07/06 09:39	XPackedCells				
B0320 03 006365.11-48	Busy	today 16:08	Ery-BTC	O pos	C+ c+ E- e+ D+ Kell-	tomorrow 14:53	IC1
B0143 02 412432005	Ward	14/12/06 15:44	progesa2	O pos	C+ c+ E- e+ Kell- Fy-A+ MNSs_M- MNSs__S+ Lewis_Le (a)- Lewis_Le(b)+	06/07/07 09:37	

At the bottom left, there are 'Print' and 'Full screen' buttons.

"CyberTrack allows online transfusion registration and tracing"

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Transfusion registration

One of the main features of CyberTrack is the possibility to register the start and end of a blood transfusion process from outside the laboratory.

When registering the start of a transfusion, the responsible doctor or assisting nurse has to scan both the patient ID and blood bag ID. This information will be sent to the LIS that will check if the scanned blood bag is compatible with the patient being treated. This offers a final bed-side safety check before actually performing the blood transfusion.

When registering the end of a transfusion, you can indicate if the transfusion has been interrupted and log any possible reactions (fever, nausea) observed during the transfusion process.

Both the start and end registration in CyberTrack are automatically processed and logged in the connected LIS.

Start transfusion ok.

Patient:	Huylebroeck, Sofie (F), 08/03/1982	O pos C- c+ E+ e+
Antibodies:	C- c- E- e-	
Blood unit:	B0320 03 006365.11-48E (Erythrocytes - Ery-BTC)	O pos C+ c+ E- e+ D+ Kell-
Status:	Busy	
Expires:	18/04/09 23:59	
Checked out from lab:	today 16:04	
Ward:	Intensive Care 1 (IC1)	
Transfusion was started:	today 16:08	
Responsible transfusion HC provider:	RAP JONG	
Transfusion assistant:	Van Roels Ingrid	

Transfusion advice

Transfusion advice specified in the patient's medical record

Patient Info

"CyberTrack offers a final bed-side safety check before starting the transfusion."

Transfusion tracking

Beside the actual transfusion registration, CyberTrack also allows consulting detailed blood bag and patient data from the LIS by scanning the blood bag or patient identification. Doctors can generate a list of all transfusions for which they are responsible. Hospital nurses can obtain a list of all transfusions for which they have registered the start or end.

These features provide full traceability of entire transfusion process, from ordering the blood bag to registering the actual transfusion.

Recent transfusions performed by Ingrid Van Roels

[Huylebroeck, Sofie \(F\), 08/03/1982 O pos](#)

Blood bag no.	State	Since	Product	Bl.gr.	Antigens	Transf. before
B0320 03 006365.11-48	Busy	today 16:08	Ery-BTC	O pos	C+ c+ E- e+ D+ Kell-	tomorrow 14:53
B0143 02 412432005	Administered	yesterday 16:01	progesa3	O pos	C+ c+ E- e+ Kell- Fy-A+ MNSs_M- MNSs_S+ Lewis_Le (a)- Lewis_Le(b)+	today 15:45

[Victor, J.P., John \(M\), 17/10/1974 O pos](#)

Blood bag no.	State	Since	Product	Bl.gr.	Antigens	Transf. before
B0320 03 007311.11-89	Administered	15/12/06 14:04	Ery-BTC	O pos	C+ c- E- e+ Kell+	15/12/07 13:59
B0320 02 034654.10-71	Administered	14/12/06 16:33	Ery-BTC	O pos		14/12/07 16:22

Print | Full screen

"Full traceability of the entire transfusion process"