

CRF Box Electronic Patient Diary case study

to help German hemophilia A and B patients follow their medication and treatment outcomes in homecare setting

CASE STUDY

Evaluation of a "Handheld" Communicator based electronic system for documentation of hemophilia A and B therapy in homecare settings

CASE STUDY TOPIC IN GERMAN

Evaluierung eines elektronischen Systems auf Basis eines "Handheld" Communicators zur Dokumentation der Hämophilie A und B Heimselbstbehandlung

PARTICIPATING INSTITUTIONS

- Germany, Münster, Ambulanzzentrum an der Raphaelsklinik, Institut für Thrombophilie und Hämostaseologie ITH
- Germany, Muenster, Wyeth Pharma GmbH, Market ing Hemophilia
- Germany, Frankfurt/ Main, Haemostas-Frankfurt, Praxis und Labor zur Diagnostik und Therapie von Blutgerinnungsstörungen

BACKGROUND

Hemophilia is a lifelong disease and therapy has made strong progress towards improved patient's quality of life. A continuous medical controlling of factor concentrate substitution and its documentation according to German Transfusion Law is an obligation. An ongoing issue is the compliance in documentation in homecare settings. Incomplete documentation and limited frequency of center visits restrict the controlling of therapy and thus transparency of therapy and costs. One future option to overcome this is an electronic documentation of the required data via electronic "Handhelds".

MATERIAL AND METHODS

During a 6-month pilot study a Treo 180 Communicator™ based electronic documentation system with contemporary controlling of home treatment by the investigator was evaluated. Technical requirements, optimization of the online controlling tool and patient-compliance were in focus. In the project run-up one investigator performed a patient poll. Patients compared the ease of documentation using an electronic "Handheld" during home treatment with their traditional paper based patient diary.

RESULTS

Since September 2002 patients are trained in two German hemophilia centers. In total 23 patients, either hemophilia A or B, independent from severity of their disease, treatment regimen and factor concentrate have been enrolled and equipped with a Treo 180 Communicator™-based electronic diary application. So far 318 datasets from 17 patients have been sent via a wireless GSM network to a central database. The hemophilia centers have online access to center specific patient data for contemporary controlling of home treatment. A helpdesk for patients and attending centers was established.

FOR FURTHER INFORMATION

please contact Wyeth, Pharma GmbH or CRF Box Ltd.

