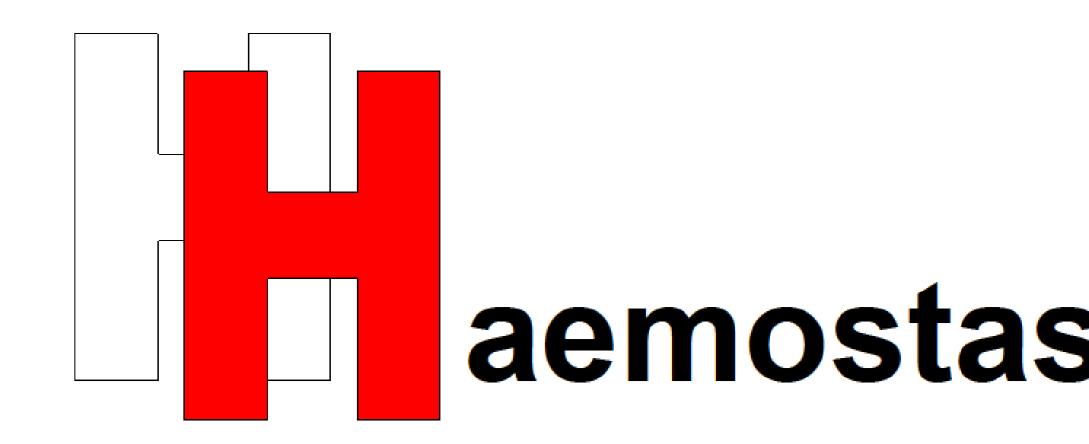
The electronic diary smart medication medication allows a rapid and comprehensive overview of haemophilia home treatment

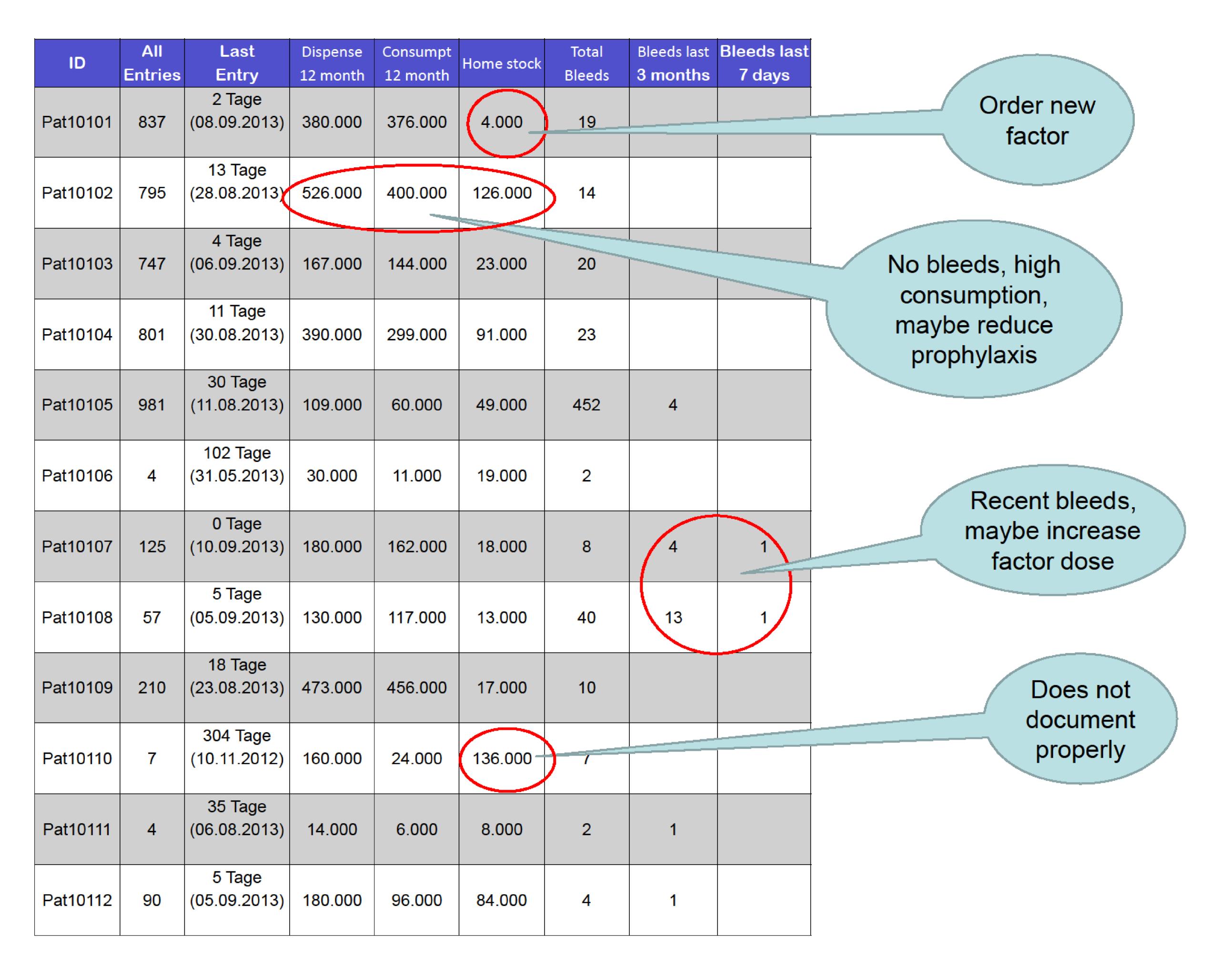


W. Mondorf¹, C. Mondorf¹, H. Pollmann², B. Siegmund², A. Rösch³, D. Schmoldt³

¹Haemostas-Frankfurt/M, ²Haemophilie-Zentrum Münster, ³Rösch & Associates, Dreicheich

Fig. 1 Online overview of patient summary

= Daily monitoring tool for physician and haemophilia nurse.



Background: The electronic diary smart-medication™ allows online surveillance of haemophilia home treatment. Adherences to documentation and treatment recommendations as well as subsequent bleeding patterns were analyzed according to two years experiences of two German haemophilia centers.

Method: Monitoring of concentrate supply vs. consumption allows continues analysis of adherence to documentation (increasing home stock) and possible shortness of home supply. The amount and pattern of home treatment enables the center to online analyzing the individual adherence to treatment recommendations. Changes in treatment patterns (amount, frequency, daytime of treatment) can be analyzed in comparison to bleeding frequency in a real time fashion.

Results: Within two years 310 patients with haemophilia A/B transmitted 23000 treatment entries with a total of 27.900.000 IU. The difference between prescribed and documented concentrates was low demonstrating a high rate of adherence to the electronic documentation format. Higher bleeding frequencies could be identified within less than one week since occurrence allowing early initiation of education and subsequent improvement of home treatment.

Summary: Two years experience with smart-medication has proven to optimized surveillance of haemophilia home treatment. Although the majority of patients document thoroughly using an appropriate amount of factor and show low bleeding tendency during prophylaxis, some patients with low adherence and high bleeding frequency could easily be identified and included into appropriate educational programs.

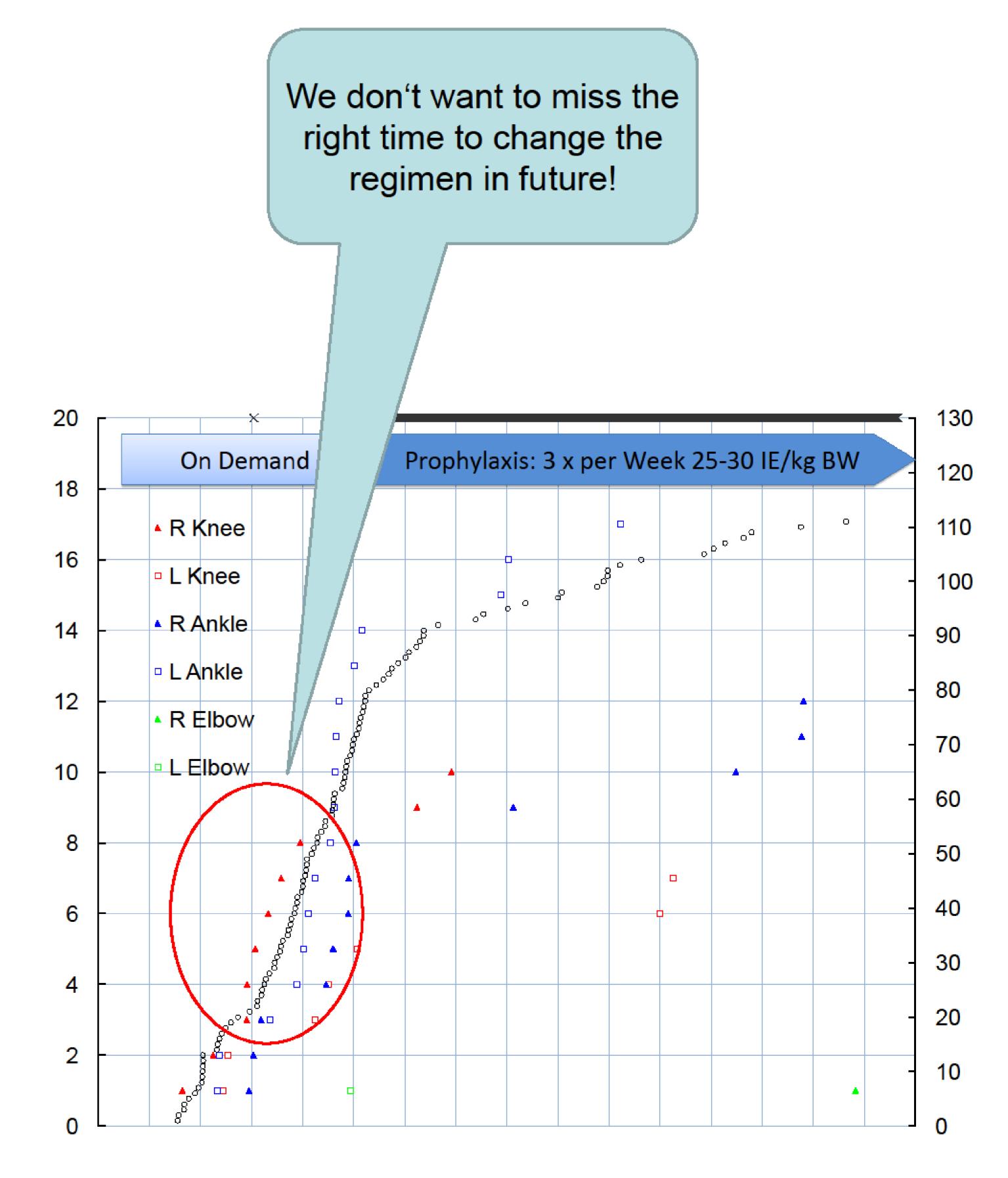


Fig. 2 Retrospective and current data which are collected and updated automatically by smart medicationTM

Poster

presented at:



