INFUSION AUDIT IN HAEMATOLOGY: IMPORTANCE OF EVALUATION AND OPTIMISATION OF PROFESSIONAL PRACTICES C. LE GUEN¹, W. AMMOR¹, J. CLOUET¹, K-O. SELLAL¹, D. FELDMAN¹, C. FRONTEAU¹, F. LINDENBERG¹ ¹Nantes University, CHU Nantes, Pharmacy, F-44000, France

Key words: audit, evaluation, professional practices, appropriate use, infusion



BACKGROUND AND IMPORTANCE

Intravenous administration is the source of numerous identified risks requiring periodic evaluation of professional practices. In February 2022, an observational audit in the hematology unit was carried out for the **first time** in order to optimize the infusion setups.



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AIM AND OBJECTIVES

Evaluate the professional practices of nursing team and thus to the implement permanent corrective actions.

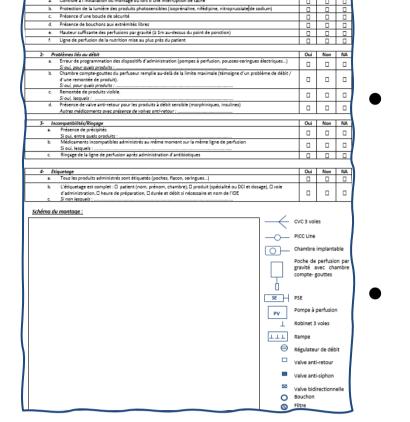




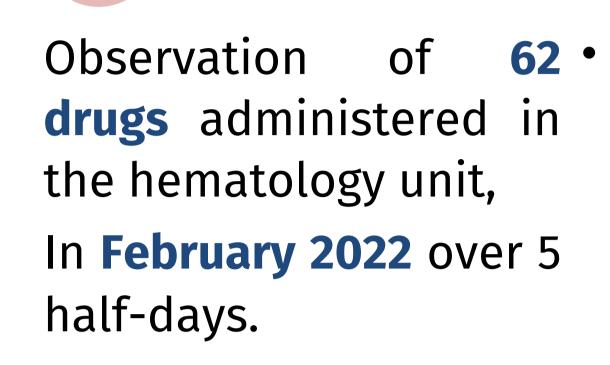






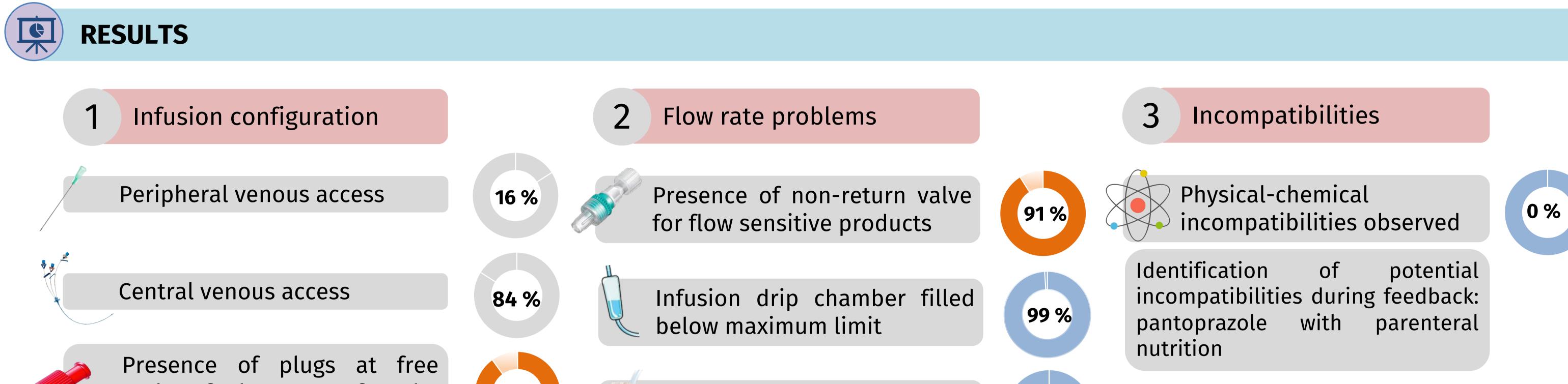


Update of the **4-part grid** based • on the good infusion practices defined by the **OMEDIT*** Centre, Validated by a **multidisciplinary** • working group.



Analysis of the audit grid. associated with **computerized** drug prescriptions (search for . physical-chemical incompatibilities and flow rate problems)

Presentation of results with the medical team **Discussion** of corrective actions





ends of the ramp for the peripheral infusion



Appropriate of flow use 11 1 1 1 1 1 1 regulators (FR)

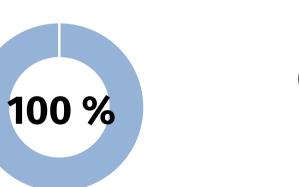


Labelling 4

Patient-identified products



line for nutrition Infusion placed as close to the patient as possible and administered by pump



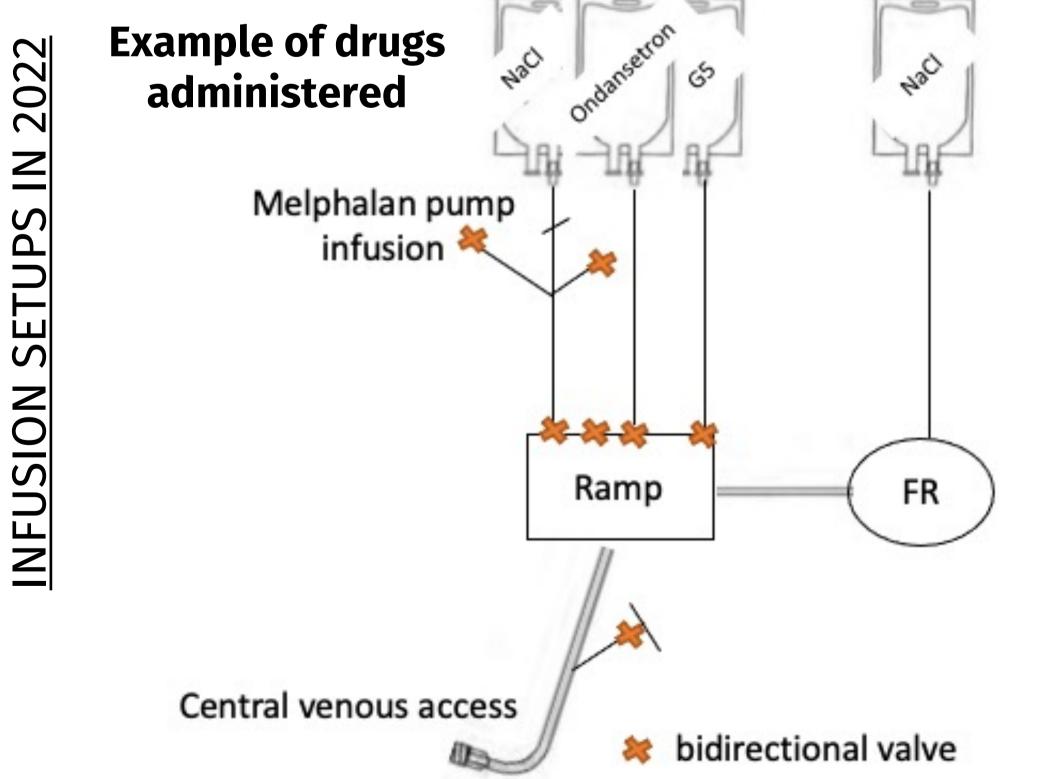
2023

INFUSION

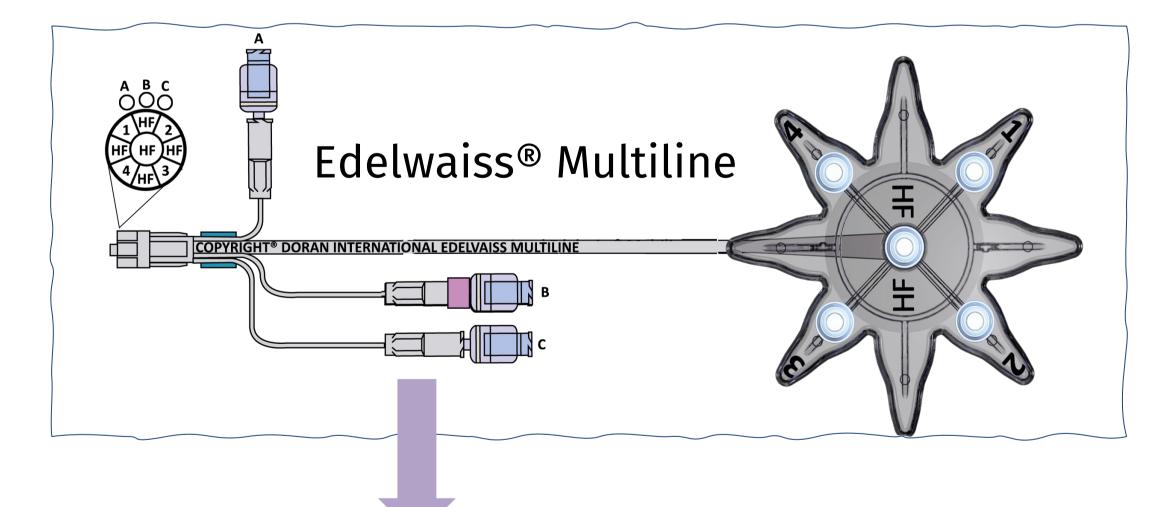
And now, what corrective actions can we put in place?

3 to 7 days in hospital (chemotherapy protocols)

Under discussion with the medical team

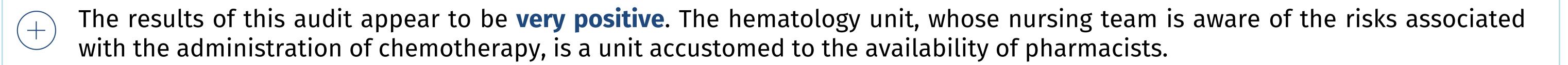


21 days in hospital (autograft and CAR-T infusion)



Very low common volume: Limit **flow rate problems** 8 drugs without mixing: Limit **incompatibilities**

CONCLUSION AND RELEVANCE



This audit allowed us to observe some errors during infusion practice: absence of plugs, inadequate programmed flow rate and absence of non-return valve during flow-sensitive drugs infusion.

In order to improve infusion practice, a new standardized infusion set-up has been proposed to the unit including non-return valves. This set-up should make it possible to prevent the risks, particularly those related to flow rate and incompatibilities. However, this change in practice will require support for the teams and a new audit to evaluate the impact of this work.

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