

Collecting blood samples for Tumorbank@UZA: a multidisciplinary collaboration, facilitated by the use of a new in-house developed software program for digital orders.

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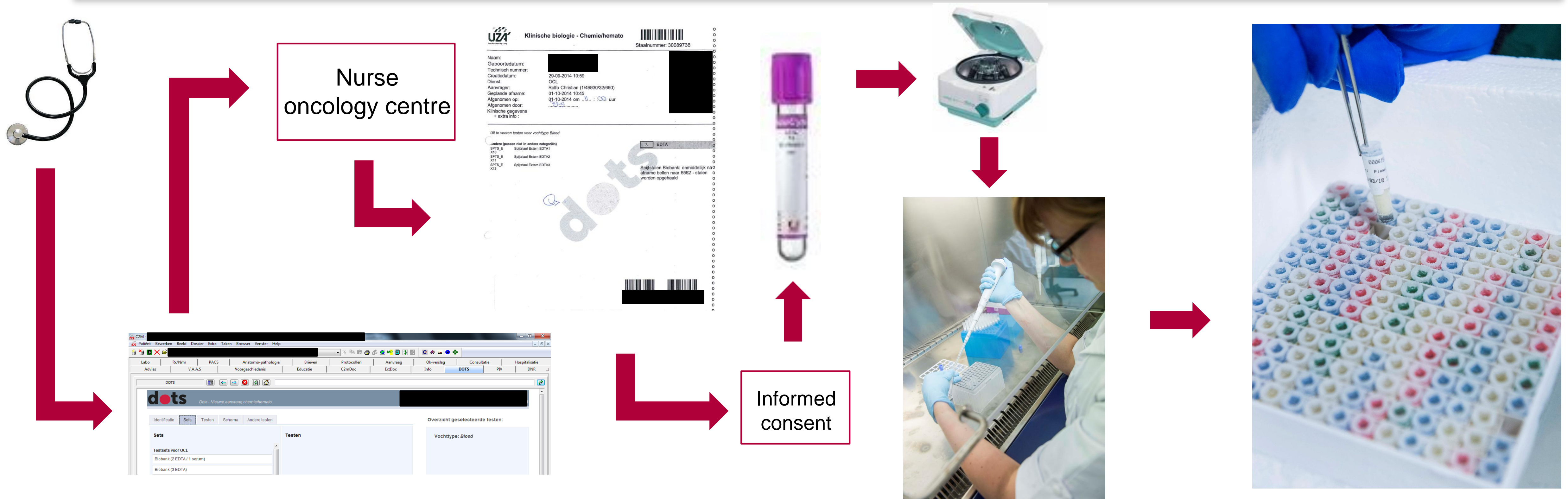
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Introduction and Aim

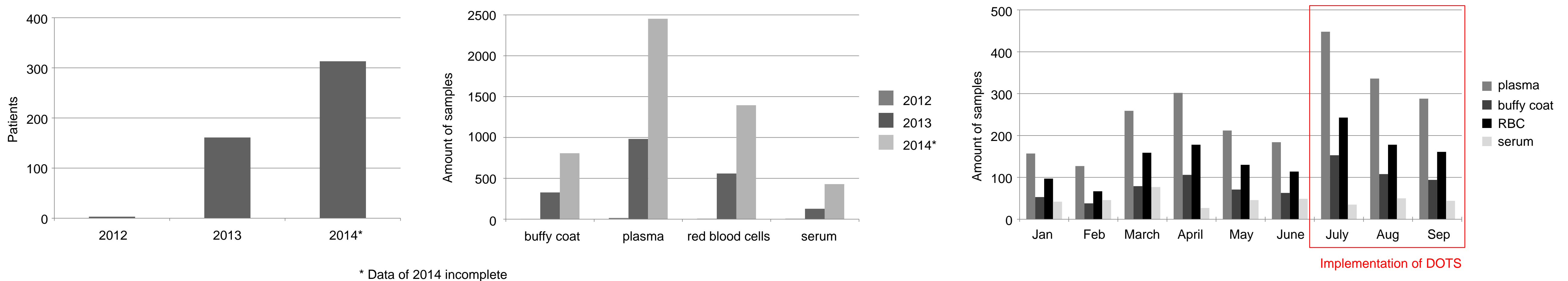
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Since 2008, snap frozen tumor tissue and FFPE material is being collected for translational and clinical research. The collection of fresh blood samples from cancer patients was initiated by the end of 2012. The progressive demand for blood samples from patients with different tumor types required the optimization of the sample collection process by integrating this workflow within the multidisciplinary care program for cancer patients in our hospital. There was a need for a straight forward flow in which biobank needs (samples of high quality) could be harmonized with those from the health care professionals (low impact on work speed and efficiency). Therefore we adapted the in-house developed tracking system for digital orders (DOTS), which was initially designed to request routine blood lab tests, into an application for the digital ordering of fresh blood samples for storage in the biobank.

Workflow



Results



* Data of 2014 incomplete

Implementation of DOTS

Conclusion

Since the implementation of DOTS there is a clear increase in the amounts of samples. With our new integrated flow we are able to store high quality blood samples to meet researchers needs. We currently have stored over 7000 blood samples from a source of 315 different patients, available for research and these numbers are rapidly increasing. The quality of our samples will be checked both by participating in the proficiency testing program from ISBER/IBBL and in house testing.

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Knowledge / Experience / Care

Plan National Cancer
Nationaal Kankerplan

ANTWERP UNIVERSITY HOSPITAL

UZA
Tumour Biobank