

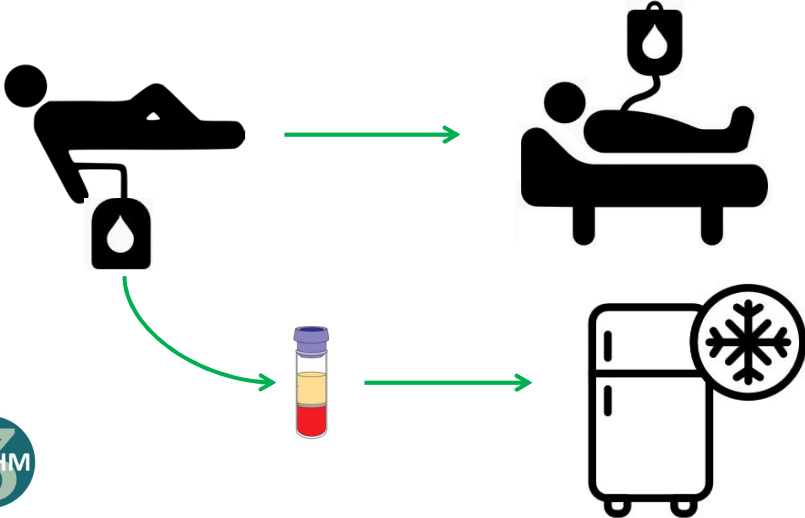


BLOOD DONOR BIOBANKS

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Blood donor biobanks
Biobanks for quality control and look-back



Blood donor biobanks

Repurposing established biobanks

- The Blood Donor BIOBANK, Bavarian Red Cross Blood Donor Service
- The Danish Blood Donor Study

Biobanks - specific studies

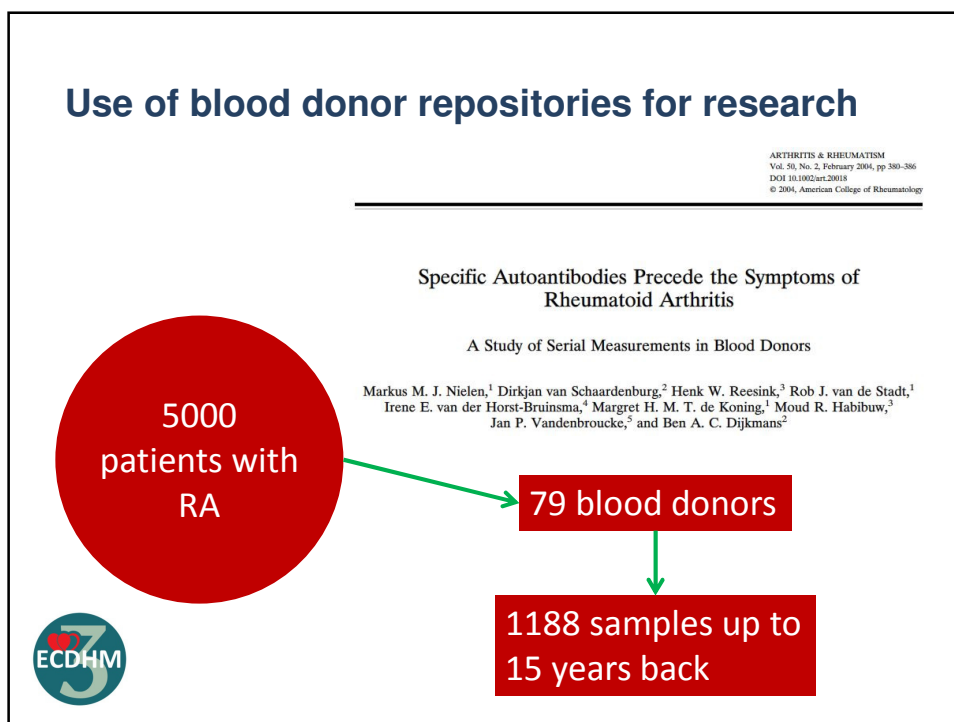
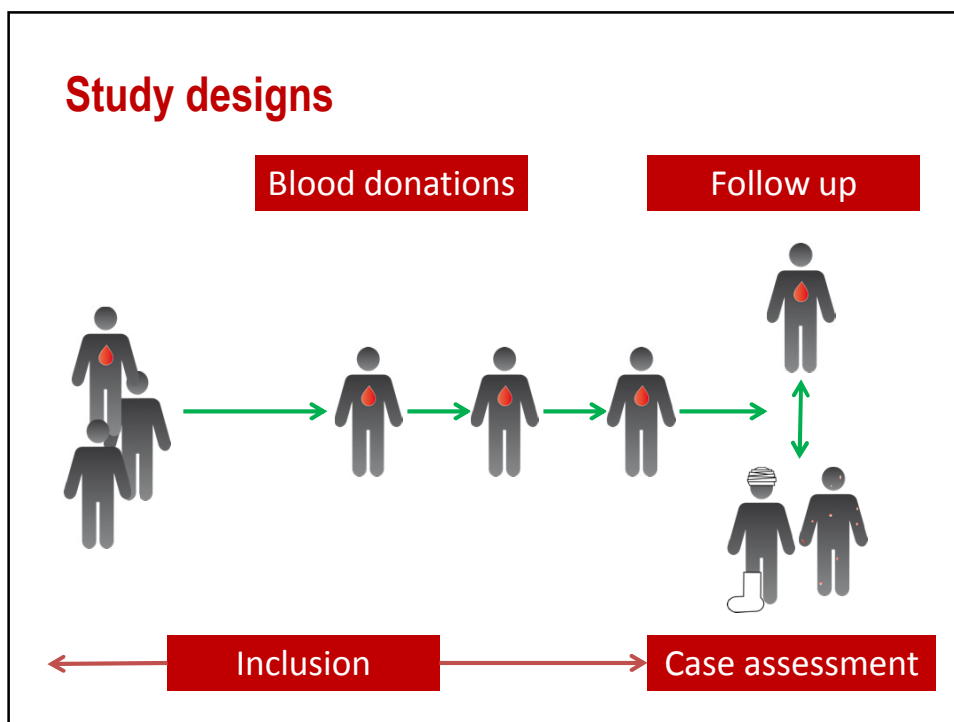
- The Interval Study
- The InSight Study
- The REDS studies
- FIN Donor 10,000 and GeneRISK
- The HYPERCAN study
- (...)



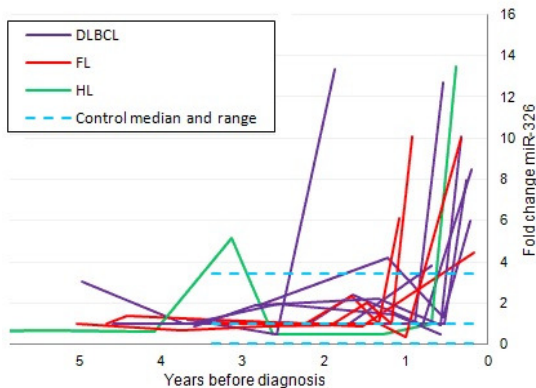
ETHICS

Consent to research





Early biomarker study in DBDS



Material:

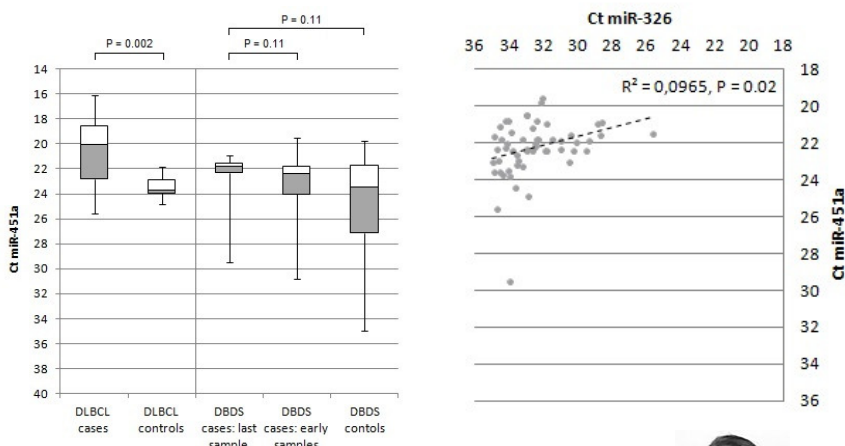
13 blood donors that developed B cell lymphoma

74 pre-diagnostic samples included

13 controls



Early biomarker study in DBDS



Conclusion

- It is feasible to repurpose blood bank quality control biobanks for research purposes
- Sample handling and storage limits the possible studies that can be performed on blood donor biobanks
- Local regulation and conditions determines:
 - available data sources for outcome assessment
 - scientific ethical requirements



Thank you

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- Thorsten Brodersen, Isabella Paulsen, Steffen Jørgensen

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International collaborators:

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- Kaolinska Institute

