The history of the Danish National Cancer Biobank
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Perspectives of the Danish Cancer Biobank
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The history of the Danish National Cancer Biobank

History

2005 The Danish National Board of Health recommend an infrastructure for clinical cancer research

2007 The Ministry of Health establish a fond of 88 mill Danish “kroner” for the infrastructure

2007 Five departments of pathology, five departments of clinical biochemistry and The Danish Pathology databank ask for 33 mill and get 15 mill for the period 2007-09

2007-08 National recommendations for registration and processing are agreed on and developing of a system for data registration starts

2009 Danish Regions grant kr. 4,5 mil for the period 2009

2009 Danish Regions establish a steering committee and a scientific committee

2010 Danish Regions grant kr. 8 mil for the period 2010

2011 Danish Regions grant kr. 8 mil for the period 2011

2012 Danish Regions grant kr. 10 mil for the period 2012

2013 Danish Regions grant kr. 13 mil for the period 2013
Infrastructure for cancer research - Biobanks

Definition
A structured collection of human biological material that is accessible according to specific criteria and where information tied to the biological material can be attributed to individuals

Biobanks in pathology
Danish Pathology Data- and tissue bank
Danish CancerBiobank
The Danish Pathology Data- and Tissue Bank

History
Established in 1999
National recommendations for registration

Data
Updated online from the pathology department's IT systems
Nationwide with near 100% coverage
Data from 14 mill specimens and 3,5 mill different people

Biobank
The biological material is filed in the individual pathology departments in the form of slides with cell or tissue or pieces of tissue embedded in paraffin.
Organisation of “Patobanken”
National database administered from the Department of Pathology, Herlev Hospital
Biobank for biological material stored in 19 hospitals

Data i ”Patobanken”
Content of the Pathology "Data" Bank

**Patient data**
- CPR number (unique personal ID number)
- Municipal address of the patient

**Specimen data**
- Unique ID number
- Clinical department or practitioner responsible for the treatment
- Investigating Department of Pathology
- Type of investigation
- Gross, microscopy, conclusion/diagnoses in text
- Coded diagnoses based on the Danish SNOMED
- Workload data

**Biological material**
- Slides with biological material
- Paraffin embedded material
Use of The Danish Pathology Data Bank

Data and biological material
• Daily diagnostic work
• Research

Data only
• Cancer registration
• Screening for cervical cancer
• Workload calculation
• Quality assurance
Danish CancerBiobank

Why establish the Danish CancerBiobank?

• A wish to collect biological materials, handled, stored and registered optimally for translational research

• A wish to complement the material in Patobanken (composing paraffin embedded tissues) with fresh frozen tissues

• A wish to establish a nationwide research biobank containing cells, tissue, blood, salvia, hair etc.