



Central Denmark Region

National cooperation of transfusion service in Denmark

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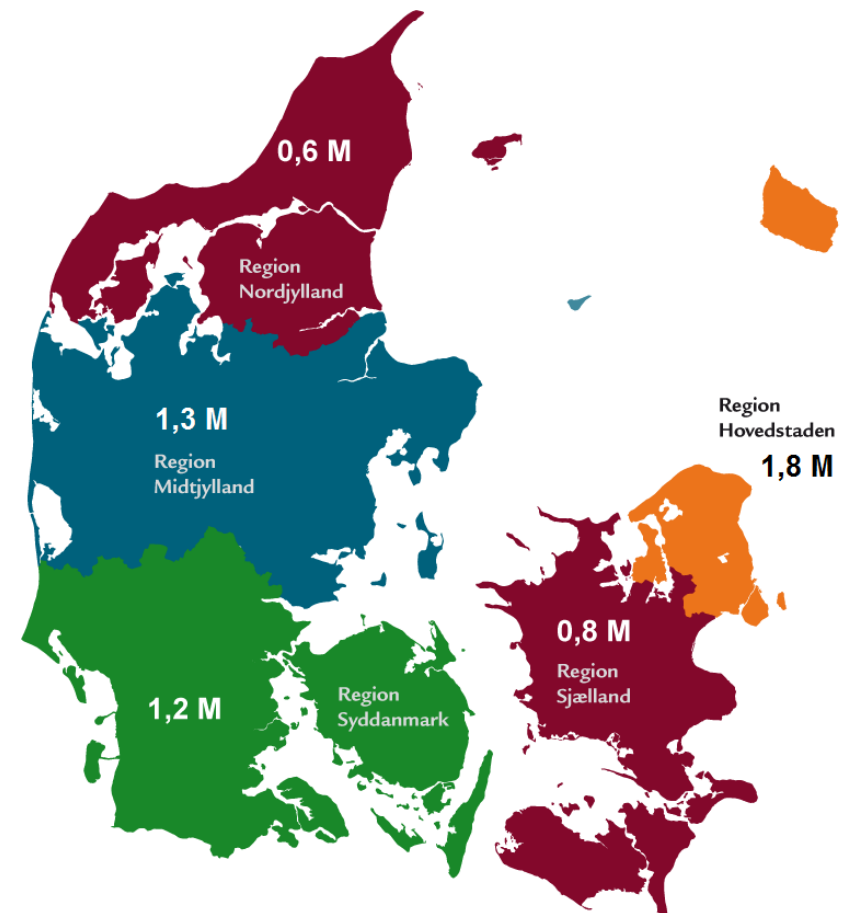
Overlæge, Klinisk Immunologisk Afdeling

Organisation in Denmark

- Transfusion service and clinical immunology is one speciality
 - Specialist in Clinical Immunology

Transfusion service in Denmark

- Five regional transfusion centres
 - Dept. of clinical immunology
 - København
 - Næstved
 - Odense
 - Aarhus
 - Aalborg



National planning of specialized service in Denmark

- Main service
- Specialized service:
- Defined and allocated by the Danish Health Authority
 - Regional specialized functions
 - Some kind of complexity
 - In each region
 - Highly-specialized functions
 - High complexity
 - 1-3 hospitals in Denmark

Specialized service

- Complexity
 - Technical, knowledge, multidisciplinary
- Occurrence
 - low incidence, volume
- Resource consumption
 - Economic, qualified staff
- Evidence-based
 - Research, development, education
- Application from the Regions pr. hospital



SUNDHEDSSTYRELSEN

Specialevejledning for Klinisk immunologi

1. juni 2017

Specialevejledningen er udarbejdet som led i Sundhedsstyrelsens specialeplanlægning, jf. sundhedslovens § 208, som omhandler organiseringen og varetagelsen af specialfunktioner på regionale og private sygehuse.

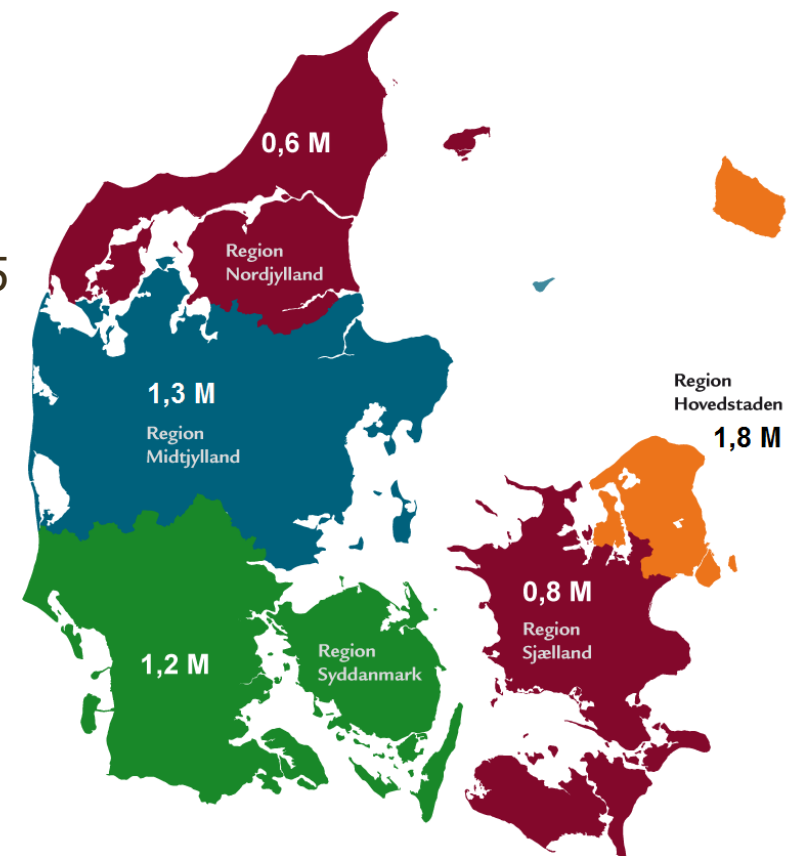
Specialebeskrivelse

Klinisk immunologi varetager blodbankvirksomhed samt diagnostik og rådgivning vedrørende transfusionsmedicin, vævsbankvirksomhed, transplantationsmedicin, immunologisk og allergologisk diagnostik.

<https://www.sst.dk/da/planlaegning/specialeplanlaegning/gældende-specialeplan/~media/F939FBB075B14B97BAE4A1E1FA79B462.ashx>

Transfusion service in Denmark

- Specialized services centralized in 5 Dept. of clinical immunology
 - Blood bank and transfusion service 5/5
 - Tissue and cell establishment 5/5
 - Transplantation immunology 2(4)/5
 - Diagnostic immunology 5/5
- Main services decentralized in cooperation with dept. of biochemistry
 - Whole blood donation
 - Patient AB0/RhD typing
 - BAC test/bf-test



Danish Society of Clinical Immunology (DCSI)

- Articles of association:
 - Maintain and develop Clinical Immunology within areas:
 - Blood banking and Transfusion service
 - Tissue establishments
 - Transplantation immunology
 - Diagnostic immunology
 - by strengthen professional competence, clinical treatment, research and development and education

Organisation of Transfusion Centers in Denmark (OTCD)

- Articles of association:
 - Maintain and develop professional, operational and organisational cooperation between transfusion centers
 - close cooperation with Danish Society of Clinical Immunology

What are the problems? - scraps of clinical immunology

- Structure
 - Centralized/decentralized
- Name
 - Does it make sense?
- Size
 - Small
- Recruitment
 - Not visible

Structure

- Number of departments and number of specialists must be in balance
 - Decentralized/centralised?

Name

- Clinical Immunology
- Laboratory investigations in relation to diagnostic and treatment of patients with symptoms from the immune system
- Does it make sense?
- Blood bank?
- Transfusion medicine?

Size

- Small speciality
- Few senior consultants
- Not all are active (the same old gang)
- Risk of professional inertia, too long time to response

Recruitment

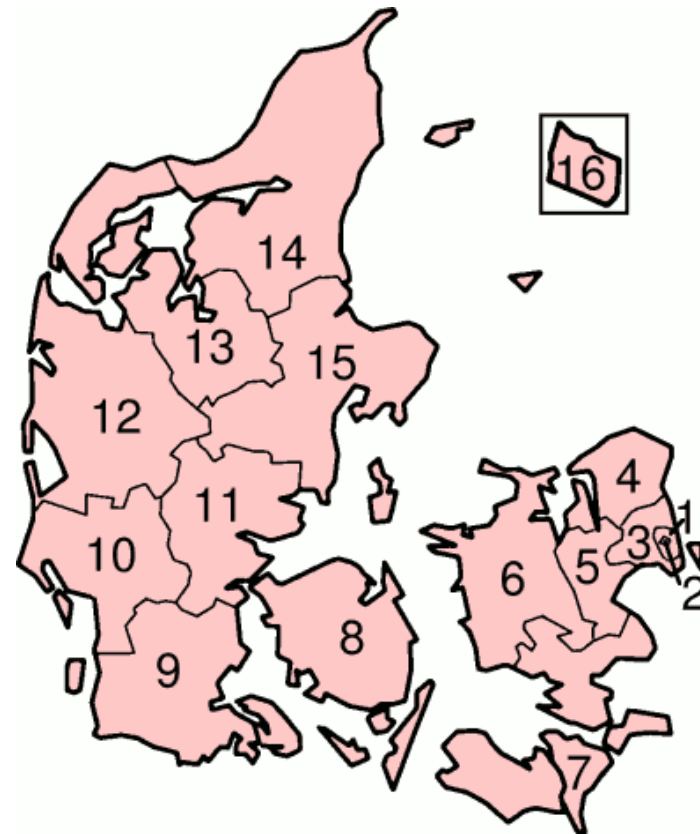
- Not visible during medical faculty or later at the hospital
- Not attractive
- Recruitment of wrong persons - take whats available

What had happened?

- Political
 - Structural reform in 2006
 - National planning for specialized services
 - Savings plan
- Other
 - New generation of clinical immunologists
 - National working groups
 - More visible (more attractive)
 - New areas are developed/need to be developed (personal medicine, cellular therapy)
 - Highly specialized technology (genomic analysis)
 - More visibility

Struktural reform 2006

- 16 counties 1970-2006
- 1 dept of clinical immunology in each county
 - 1 physician in each dept
 - except for 4 dept. due to vacant positions
- Changed to 5 regions



Political

- Strukturreformen has provided the framework for centralization
- The national planning of specialized service has forced that academic/scientific resources are centralized
- Savings plan has further driven the centralization

National working groups

- Blood banking and infectious disease
 - National guidelines
- Transfusion medicine
 - National guideline on massive bleeding
- Transplantation
 - National guideline on donor selection for allogeneic stem cell transplantation
 - Guideline for autologous stem cell transplantation
 - in collaboration with Danish Society of Hematology
- Cellular therapy and immunodeficiency
 - just started
 - intention to "share" analysis/procedures and knowledge

Visibility and attractive - pregraduate

- Part of clinical practice during medical school
- In region Midt:
 - 3 days clinical practice and part of multidisciplinary examen
- Challenge:
 - How to make it attractive:
 - Hands-on not possible
 - Many students (180 pr semester)
 - Plenary presentation
 - Case-structured presentations
 - Multiple-choice questions in small groups

Visibility and attractive – post-graduate

- Need multidisciplinary approach
- Need to have outreach work
- Be clear what are our speciality – give them an solution
 - Analysis, coordination, quality system/control
 - Clear and understandable written answers/advise in due time
 - Still clinical approach
- Time to research

- Why did you chose the speciality?

New areas

- Highly specialised
 - Complex and new technology
 - Expensive (facilities, apparatus)
 - Knowledge
-
- Competition with other laboratory specialities
 - Need to have resources available, need a certain volume (national planning)

challenges

- Still much to improve

Challenges

- Cost-constraint health care
 - Reduction in number of senior doctors
 - Limited time to develop new areas
 - Demands for more effectiveness
 - More vulnerable when you are small

Challenges

- Continous development of the speciality
 - Small size
 - Cooperation needed
 - Clinical immunologists
 - Clinicians
- Be prepared for the future
 - Political
 - Scientific/technological
 - Societal

Next step

- White book
- The future for clinical immunologi

White book – First process

- Working groups:
 - Organization and name
 - Performance
 - Research
 - Indkøb og IT
 - Quality control
 - Education

White book – First process

- Working groups:
- 5 persons in each group
- young doctors are prioritized
- Get their input/brainstorm to a steering committee

White book – Second process

- On the basis on the first group, the steering committee will propose a vision/mission and a concret strategy
- New Working groups:
- Provide input to a draft for a white book
- The first draft will be sent consultation among all members and discussed at general assembly in 2018

challenges

- Willing to change, but not myself
- Remember to involve younger doctors
- Be a good role model
- Need to start the discussion