National cooperation of transfusion service in Denmark

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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
Specialevejledning for Klinisk immunologi

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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/gaeldende-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 organisatorical 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 inerti, too long time to response
Recruitment

- Not visible during medical faculty or later at the hospital
- Not attractive
- Recruitment of wrong persons - take what's 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 ressources 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 choise 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

- Continuous 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 immunology
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 concrete strategy
- New Working groups:
- Provide input to a draft for a white book
- The first draft will be sent for 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