

Research category

Clinical Pharmacy Services

- Patient education, empowerment, literacy
- Medical devices
- Interactions
- Quality improvement interventions
- Adherence
- Seamless care
- Monitoring medication changes
- Education of medical and health professionals
- Multidisciplinary therapeutic decision-making
- Medicines reconciliation
- Pharmacoeconomics
- Therapeutic drug monitoring
- Appropriateness
- Drug related problems
- Medication review
- Clinical chemistry
  - Microbiology
  - Hämatology
  - Chemistry (e.g. TDM)

Production and Compounding

- Formulation and development
  - Upscaling
  - Laboratory scale
- Risk assessment
- Production technology and engineering
- Pharmaceutical equivalents
- Labelling
- Quality control
- Stability testing
  - Microbiological
  - Chemical
- Incompatibility testing
- Pharmacokinetics in vitro testings
  - Dissolutions
  - Liberation
  - Absorption
  - Distribution
- Metabolism
  - Interactions
  - CYP450 Isoenzymes
  - Toxicology modification
- Pharmacodynamic in vitro testing
  - Excretion
  - Receptor affinity
  - Molecular modeling

Selection, Procurement and Distribution

- Medicines shortages
- Supply chain management
  - Distribution
  - Procurement processes
  - Home delivery
  - Storage conditions
  - Patient-owned medicines
- Drug & Therapeutics Committees
  - Drug use evaluation
  - Formulary
- Disposal of medicines and chemical waste
- Medicines management policies

Patient Safety and Quality Assurance

- Safe medicines use (preparation and administration)
  - IT-supported medicines management
    - Electronic cabinets
    - Bar code scanning
    - Dose dispensing
  - Outcome evaluation
    - Clinical
    - Financial
    - Quality of Life
  - Vigilances
    - Pharmaco
    - Materio
    - Haemato
  - Process Engineering
    - Risk minimization procedures
    - Traceability
  - CIRS
    - Adverse drug events
    - Medication errors
- Clinical decision support systems

Management and Governance

- Pharmacoeconomics
  - Financial resources
    - Tarpsy
    - Tarmed
- Best practice quality requirements
- Human resources
  - training requirements
- National standards of hospital pharmacy services
- Infrastructural resources
  - Fix installations
  - Equipment
  - Mobile installations
  - Working environment
  - Plants
- Management
  - Business plans
  - Lean Management / Six Sigma
  - Business reengineering
  - Organisational development
  - Negotiations and crisis management
- Communication Technology (e- and m-Health)
  - Safe transcription steps

Education and Research

- Research methods
  - Personalised Medicine
  - Pharmacoepidemiology
- Competency frameworks
  - Post graduate education
    - Life Long Learning
    - Specialisation
  - Common training framework in hospital pharmacy
- Development of curricula
- Publication and presentation
- Qualitative research

Other hospital pharmacy related activities