Charité-Universitätsmedizin Berlin
Dr. rer. nat. Jochen Kotwas
Hospital Pharmacist
Charité-some historic facts

• Frederic I, king of Prussia, founded 1710 a plague-house out of the Berlin city boundaries
• He called it Charité (French for merciful)
Charité-some historic facts

- After world war II Berlin was divided into East –and West Berlin
Charité—some historic facts

- Charité was situated in East-Berlin
- 2 University hospitals existed in West-Berlin
  - Rudolf-Virchow-Klinikum
  - Universitäts-Klinikum Benjamin Franklin
Charité—some historic facts

Each University hospital had its own hospital-pharmacy
Charité-some historic facts

1990
Berlin was reunited

1995
Charité
and
Rudolf-Virchow-Klinikum
merged
(also the pharmacies were merged)
Charité—some historic facts

The new University-Hospital was called Charité
Charité-some historic facts

2005
Another merger:
Charité
and
Universitätsklinikum Benjamin Franklin
Also the hospital pharmacies merged
Charité-some historic facts

The new hospital is called Charité-
Universitätsmedizin Berlin
Charité-some historic facts

The new pharmacy is called: Pharmacy of Charité-Universitätsmedizin Berlin
The hospital pharmacy

- Employees:
  - 17 Pharmacists
  - 25 Technicians
  - 30 Pharmacy assistants
  - 5 Warehousemann
The hospital pharmacy
Functions

• Buy medicaments
• Drug distribution to all wards of Charité
• Drug production
• Quality assurance
The hospital pharmacy

• Budget for medicaments 2006
  45 Mio €
  (appr. 7 billions Yen)
The hospital pharmacy

• 99.5% of the drugs are bought direct from the pharmaceutical industry

• 0.5% of the drugs are bought from wholesalers
Drug committee

• Appr. 50,000 medicaments are on the German market
• Only appr. 1,500 medicaments are available in our hospital
• This is possible because we have (like most hospitals in Germany) a drug committee
Drug Committee

- President: 1 Physician
- Vice-President: Chief-pharmacist
- Members: Representatives from all medical departments of the hospital
Drug Committee

The Drug Committee meets 4-6 times a year. All drugs, being available in the Charité must be accepted by the Drug committee.
Drug Committee

• Preparation of guide-lines e.g.:
  • use of Human-Albumin
  • use of Antibiotics
  • Use of low-molecular Heparins
Functions of the hospital pharmacy

• Preparation of cytostatic remedies
• Preparation of parenteral nutrition
• Large and small scale production
• Aseptic and sterile solutions
• Drugs for clinical trials
• Quality control
Aseptic and steril solutions

- Solutions for injection and infusion
- Portioning of drugs
- Eyedrops, eye ointments
Preparation of cytostatic remedies

- Appr. 50,000 preparations /month
- 6 days a week
- 2 Pharmacists
- 6 Technicians
- Preparation on Sunday if necessary by the pharmacist being on duty
- separate aseptic room
- 3 laminar air flow benches
Preparation of parenteral nutrition

- Liver transplant patients
- Neonates
- Oncology patients with different situations
- 1 Pharmacist
- 4 Technicians
- 1,500 bottles/week
Large and small scall production

- Ointments
- Capsules
- Powder
- Liquids (enteral, parenteral)
- Specials preparations for oncology patients (i.e. mucosities)
Aseptic and steril production

- Solutions for injection and infusion
- Eye drops
- Eye ointments
- Portioning of drugs
- Solution for inhalation
Drugs for clinical trials
Quality control

- Checking of raw materials for drug production
- Checking of our selfproduction
- Checking of drugs
- Checking of imported drugs