

Groupement des Pharmaciens de l'Industrie en Europe EUROPEAN INDUSTRIAL
PHARMACISTS GROUP Czech Republic
Country Report
2019

1. Czech Pharmaceutical Society (CPS)

The Czech Pharmaceutical Society is a professional and scientific association with its seat in Hradec Králové and active on the territory of the Czech Republic. The Society is an independent, voluntary, non-governmental organization open to pharmacists and other specialists in health care and all related fields of activity. In international cooperation and contacts, it acts as an independent society. Within the country, it is a member of the Czech Medical Association J. E. Purkyně and abides to its organisational structure and statutes.

1.1 Scheme of CPS

Presidium made up of representatives of the Society elected for a 4-year period:

President

Vice Presidents Secretary General Seven other members

The main objective of the Czech Pharmaceutical Society is to collect, develop, and promote new concepts in pharmaceutical science and to apply them to health care. To achieve its basic objectives, activities directed at the dissemination of information of the latest results of pharmaceutical research and all other related sciences are pursued. The Society participates in educational activities in close co-operation with research and educational institutions in the field of pharmaceutical sciences.

1.2. Organizations of CPS

Society is currently divided into 10 professional sections:

- Section of History of Pharmacy
- Sections of Pharmaceutical Quality Control and Bioanalysis Sections of Pharmaceutical Assistants
- Section of Clinical Pharmacy
- Section of Pharmaceutical Service

- Section of Hospital Pharmacists
- Sections of Natural Drugs
- Section of Social Pharmacy
- Sections of Synthetic Drugs
- Section of Pharmaceutical Technology

The Society's professional sections hold their nationwide annual meetings and international congresses as well. The Society has its own journal "Czech and Slovak Pharmacy" in which its members have an opportunity to publish scientific papers. This journal presents information about national and international pharmaceutical meetings, their programs and activities. Section of pharmaceutical technology is a member of European industrial pharmacist group (EIPG).

1.2.1. Pharmaceutical Technology Section of CPS

Section consists of professionals and interested people in the fields of proposal, research, development, production, and evaluation of pharmaceutical formulations and drugs. Nowadays 180 persons from research, development, control, and distribution of drugs as well as related specialized employees in health care facilities including academic and educational institutions are members of the Section. There is a small group of Industrial Pharmacists in Czech Republic, which is the part of the Section of Pharmaceutical Technology. The aim of this section's activity is to enlarge and apply new experience in pharmaceutical technology and related fields. In the scope of the Czech Pharmaceutical Society the section organizes professional meetings and takes part in lifelong learning in the field of its activity.

1.2.2 Seminars on Pharmaceutical Technology

Held every year (September 2018). The program of the seminar included following topics:

- Problems solving in process of hard gelatine capsules filling on fully automated capsule filling machines
- Taste-masking approaches for active pharmaceutical ingredients
- Cellulose derivates in individual laboratory production
- Instrumental radiopharmacy – new step towards higher quality and safety
- Skin barrier – from human skin to model membranes (and back)

- Dissolution method design for active pharmaceutical ingredients with immediate release
- NMR in pharmaceutical research
- 3D printing in pharmaceutical technology

2. Most important Associations in Pharmaceutical Industry

- Association of Pharmaceutical Medicine (AFM)
- Association of Drug Distributors Center for Pharmacology and Analysis (CEPHA)
- Czech Association of Pharmaceutical Producers (ČAFF) Association of Innovative
- Pharmaceutical Industries (AIFP) Association of OTC producers (SVOPL)

3. Pharmaceutical Education

3.1. Pharmaceutical Faculties

- Faculty of Pharmacy - Charles University in Prague, Hradec Králové
- Faculty of Pharmacy - University of Veterinary and Pharmaceutical Sciences, Brno

3.1.1 Undergraduate Education in Pharmaceutical Technology

Faculty of Pharmacy, Charles University in Prague, Hradec Králové Compulsory subjects:

- Pharmaceutical Technology
- Medical Devices
- Physical Principles of Dosage Forms

Elective subjects:

- Industrial Production of Pharmaceutical Preparations
- Cosmetology for Pharmacists
- Extemporaneous Preparation in Hospital Pharmacy
- Industrial Technology of Pharmaceutical Preparations
- Technology of Homoeopathic Preparations
- Preparation of pharmaceuticals in Hospital

Faculty of Pharmacy - University of Veterinary and Pharmaceutical Sciences, Brno
Compulsory subjects:

- Dosage Forms and Biopharmacy
- Theory of Dosage Forms
- Physical chemistry
- Biophysics

Elective subjects:

- Instrumental Analytical Methods in the Pharmaceutical Technology
- Cosmetic Products
- Advanced Drug Delivery
- Evaluation and Creating of Formulation Files of Pharmaceutics
- Methods of Pharmaceutics preparation in Hospital
- Industrial Pharmacy
- Pharmaceutics and their Technology

3.1.2 Postgraduate Education in Pharmaceutical Technology - Both Faculties of Pharmacy offer Ph. D. in Pharmaceutical Technology.

3.2. Institute of Postgraduate Education in Healthcare (IPVZ)

IPVZ offer for pharmacists the postgraduate specialization:

- Pharmaceutical Technology Laboratory Methods in Healthcare Radiopharmaceuticals
- Clinical Pharmacy
- Pharmaceutical Analysis
- Hospital Pharmacy

Section of Pharmaceutical Technology performs and leads courses and internships held every year. The programme of the 2016 included following topics:

- A course for qualified persons of manufacturers of medicinal products Production, preparation and supervision of medicinal products Radiopharmaceutics

- A course for qualified persons of manufacturers of medicinal products Good laboratory practice
- Quality assurance in pharmaceutical manufacturing Pharmaceutical control Biochemical analysis