

# CPD'S in Pharmacy: Since 1986 in Turkey

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# Faculties of Pharmacies

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- 13 Faculties of Pharmacy
- Higher Education Council ( YÖK) EU harmonisation program - Bologna Act
- 2006: change to 5 year program. (MPharm degree) – all 13 faculties

# Universities Teaching Pharmacy

- Ankara Uni. Faculty of Pharmacy
- Anadolu Uni. Faculty of Pharmacy
- Atatürk Uni. Faculty of Pharmacy
- Ege Uni. Faculty of Pharmacy
- Erciyes Uni. Faculty of Pharmacy
- Gazi Uni. Faculty of Pharmacy
- Hacettepe Uni. Faculty of Pharmacy
- İnönü Uni. Faculty of Pharmacy
- İstanbul Uni. Faculty of Pharmacy
- Marmara Uni. Faculty of Pharmacy
- Mersin Uni. Faculty of Pharmacy
- Yeditepe Uni. Faculty of Pharmacy
- Yakındoğu Uni. Faculty of Pharmacy

- 30.000 pharmacists
- 24.119 community pharmacists and 24.119 community pharmacies (pharmacy ownership is restricted to pharmacist and one pharmacist can own only one pharmacy)
- 5223 pharmacists working in other sectors

- First CDP (MIEP) in 1986 at Ankara University Faculty of Pharmacy (AUFP)
- Community Pharmacists asked AUFP and Ankara Chamber of Pharmacists for a post grad program
- The reason for this request was: curriculum thought at Faculties of Pharmacy did not meet the needs of the community pharmacist

- First Aid, Social Pharmacy, Use of PCs in Community Pharmacy was included in the 26 subjects being covered
- 26 Teaching Staff Lectured
- 139 Community Pharmacists registered to attend
- The feedback from this first CDP revealed the duration was long, subjects were too many and lengthy. (Clinical Pharmacy, Pharmaceutical Care, Patient Oriented Pharmacy and GPP had not emerged yet!)
- Community Pharmacists wanted more practical updates on their already existing knowledge...

- 2 years later (1988) at Ege Univ. Faculty of Pharmacy the MIEP organised was \***Antibacterial and Antiviral Drugs**\*
- The lecturers were selected not only from Ege Univ. but also from other faculties



# 1995 to 2002

**162 MIEP's** were organised by **Chamber of Pharmacies** with lecturers from:

Ankara University,

Istanbul University,

Hacettepe University,

Ege University,

Gazi University,

Marmara University and

Anadolu University

**8500 pharmacists attended these MIEPs**

# **In 1996 at the general assembly of Pharmacists Association 18 topics were chosen for MIEP's**

- Antibiotics
- Analgesics
- Hypertension
- Diabetes
- Asthma
- Peptic ulcer
- Contraception
- Drugs used to treat children
- Substance abuse and dependence
- Childhood Respiratory infections
- Phytotherapy
- Pharmacy administration
- Stress and ways to manage it
- Family planning
- Maternal health
- Vaccines
- Drugs used to treat Musculoskeletal Diseases
- First Aid

# In 2002 TEB formed TEB Academy

- CDPs are structured and conducted by the staff of the 13 Faculty of Pharmacies (Community Pharms?)
- This centralised system provides quality control and has brought the individual local organisations into a more disciplined frame.
- Faculties of Pharmacy and the Chambers; still together or on their own conduct their own CDPs for more local purposes.

- 200 MIEPs were organised since 2002, the establishment of TEB Academy
- 9000 pharmacists received attendance certificates

**RESULTS FROM THE FOLLOW  
UP STUDY  
2002-2009**

- 59.2% female, 40.8% male
- 86.1% found the MIEP's they attended very useful
- 70% of the pharmacists expressed a need for “distant learning” programs
- Years from graduation:  $\geq 6$  yrs  $\leq 35$  years  
(formal education needs updating in 6 years)

The reason for attending a MIEP:

37.7 % new drugs and technologies

12.3 % phytotherapy

10.9 % analgesics treatment of pain

10.5 % pharmaceutical care / clinical pharmacy

7.4 % diabetes

7.0 % birth control/family planning

5.2 % hypertension

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