Meijo University
Pharmacy Education Program

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Meijo University

Nagoya
(Center of Japan)

Automobiles
Aircrafts
Jets
IT
Ceramics
Origin of Shogun

Nagoya
(2.4 million)
Super-express (Shinkansen)

Downtown Nagoya

Nagoya Castle

Meijo University

• Founded in 1926
• 16,000 total students
• One of the foremost universities in the Chubu region of central Japan
• Comprises 8 faculties and 11 graduate schools
Faculty of Pharmacy
- Founded in 1954
- 60th Anniversary in 2014!
- 1,600 total students
- 250 students/year
- 60% women, 40% men
- Student age ranges from 18 to 24
- 67 total faculties
- 100% of students passed National Exam in 2013 (No. 1)
- Tuition is $25,000/year

History of pharmacy education at Meijo University
In 1975, a one-year long graduate course in clinical pharmacy practice (first in Japan) began.
In 2003, a two-year master’s course (Clinical Pharmacy Practice Course) emphasized the pharmacist’s responsibility for pharmacotherapy in health care.
In 2006, new 6-year education system started.
In 2012, the first 6-year students graduated in April.

New Curriculum
Old Curriculum
High School ➔ University (Department of Pharmacy) ➔ Master’s course ➔ Doctoral course
250 students/year
4 years + 2 years + 3 years

New Curriculum since 2006
High School ➔ University (Department of Pharmacy) ➔ Doctoral course
250 students/year
6 years + 4 years

What subjects will be improved in the new curriculum?

Contents of the Program (Overall)

<table>
<thead>
<tr>
<th>1st year</th>
<th>2nd year</th>
<th>3rd year</th>
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<td>1st half</td>
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- Understand Patients
  - Educational courses for All Faculties
  - Introduction to Pharmacy III
  - Understanding Pharmaceutical Sciences II

- Understand Diseases
  - Anatomy & Physiology I/II
  - Disease & Therapeutics I/II
  - Understanding Pharmaceutical Sciences III

- Understand Drugs
  - Organic & Chemistry I/II
  - Biochemistry I/II
  - Pharmacology I/II
  - Pharmacokinetics I/II
  - Drug Information
  - Herbal/Medicine

The program provides “Introduction to Pharmacy” and “Educational Courses for All Faculties” in the 1st grade to Understand Patients, and “Anatomy & Physiology” and “Diseases & Therapeutics” in the 2nd/3rd grades to Understand Diseases. These classes adopt methods such as hybrid PBL (SGL) training, an age-mixed approach, and role-playing.

Curriculum concept (4-6th)

- Hospital
- Community Pharmacy
- Company
- Public health
- PhD Course

Professional Clinical Pharmacist

- 6th year
  - Pharmacist on Site (Extended Clinical Practice)

- 5th year
  - Drug Therapy on the Basis of Integrated Knowledge

- 4th year
  - Basics of Clinical Medicine

- 3rd year
  - Understand Drugs
  - Understand Diseases
  - Understand Health

- 2nd year
  - Understand Drugs
  - Understand Diseases

- 1st year
  - Understand Drugs
  - Understand Diseases
Clinical practice in the new curriculum

1st to 3rd years
- Preclinical training:
  - PBL (Problem-based Learning)
  - Training for Clinical practice

4th year
- CBT (Computer Based Testing)
- OSCE (Objective Structured Clinical Examination: Behavioral and technical testing)

5th year
- Clinical clerkship (5 months)
- 2.5 months: Community pharmacy
- 2.5 months: Hospital
- Research for graduation thesis

6th year
- Clinical practice (5 months)
- Basic research course
- Advanced clinical course
- 2.5 months: Community pharmacy
- 2.5 months: Hospital (Fujita, Nagoya, Aichi, Anjo)

Pursuing the constructive relationship between 2 courses

Graduation thesis
- Basic research course
- Advanced clinical course

6th year
- Basic research
- Advanced clinical practice
  - 8 months: Hospital (Fujita, Nagoya, Aichi, Anjo)
- Clinical practice (5 months)

Long-distance Education by Telecommunication System

Meijo University

Nagoya University Hospital
Aichi Medical University Hospital
Fujita Health University Hospital

Conclusion

Meijo clinical pharmacy education system’s target is to expand the pharmacist’s responsibility in the health care society— from dispensing-centered pharmacy to more clinical pharmacy.

At the start of our 6-year pharmacy education program, Meijo proposed here a new Japanese pharmacy education model.
Thank you for your attention!