Evolving curriculum in Maastricht

Albert Scherpbier
Development

1974  Start medical programme
1976  Faculty of Medicine
1980  Faculty of Health Sciences
2007  Faculty of Health, Medicine and Life Sciences
2008  Maastricht University Medical Center (MUMC+)
Characteristics of PBL

- Problem-oriented
- Self-directed
- Interdisciplinary
- Skills-oriented, early practice contacts
- Assessment tailored to educational objectives
“Old” curriculum structure 1974

Year 1
- Human functioning, with emphasis on basic sciences

Year 2
- Phases of life

Year 3
- Important complaints presented to family physicians in the Netherlands

Year 4

Years 5 and 6
- Clerkships

Classic PBL learning

Work-based learning
“New” curriculum structure 2001

<table>
<thead>
<tr>
<th>Year</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Emergency care and regulatory systems</td>
</tr>
<tr>
<td>2</td>
<td>Stages of life and diagnostics</td>
</tr>
<tr>
<td>3</td>
<td>Chronic disorders</td>
</tr>
<tr>
<td>4</td>
<td>Theory and practice</td>
</tr>
<tr>
<td>5</td>
<td>Clerkships</td>
</tr>
<tr>
<td>6</td>
<td>Participation in research and patient care</td>
</tr>
</tbody>
</table>

- **Practice**
- **Theory**

- Semi-classic PBL
- Patient-based PBL
- Guided Work-based Learning (WBL)
- Participatory WBL

Maastricht UMC+
Clinical phase new (September 2013)

- Medical weeks: 12
- Surgical weeks: 12
- Mother and child: 10
- Neurosciences: 20
- GP, PH, Soc. Med.: 12
- Electives: 8 + 10
- Research: 18
- Junior doctor: 18
Curriculum medicine 2020

- Personalised
- IT and Technology
- Patientcentred
- Team player
Health Sciences

• 2019 bachelor health and digital technology together with sciences, knowledge engineering and datascience
• 2020 masters in digital technology
Datascience

- Investments in datahub in 2016 together with Hospital, in 2018 new investments together with University
- Institute for datasciences at University in 2017, many collaborations
- Department of datascience in 2018
The Process Of Change

- Recognize the Need
- Plan
- Implement
- Institutionalize or Terminate
Innovators

Early Adopters

Opinion Leaders

Late Adopters

Never

Rate of Awareness-Knowledge

Rate of Adoption

Innovation Decision Period

1.7 yr.

2.2 yr.

2.7 yr.

3.1 yr.

Cumulative Percentage of Farmers

0%

10%

20%

30%

40%

50%

60%

70%

80%

90%

100%


Everett Rogers, 2003
“It may not be a perfect wheel, but it’s a state-of-the-art wheel.”