Profile of Continuing Professional Education (CPE) in Taiwan

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# Demographic Data of Veterinary Professionals

<table>
<thead>
<tr>
<th>Category</th>
<th>Total No. of Registered Veterinarians</th>
</tr>
</thead>
<tbody>
<tr>
<td>Central Government: Agriculture/Animal Health</td>
<td>334 (6%)</td>
</tr>
<tr>
<td>Public Health or others</td>
<td></td>
</tr>
<tr>
<td>Local Government: Agriculture/Animal Health</td>
<td>733 (13%)</td>
</tr>
<tr>
<td>Public Health or others</td>
<td></td>
</tr>
<tr>
<td>Private Practitioners for Livestock/Farming</td>
<td>418 (8%)</td>
</tr>
<tr>
<td>Private Practitioners for Companion Animals</td>
<td>2,990 (56%)</td>
</tr>
<tr>
<td>Pharmaceutical or Private Research</td>
<td>105 (2%)</td>
</tr>
<tr>
<td>Academic/Education/ Other Public Institutes</td>
<td>211 (4%)</td>
</tr>
<tr>
<td>Food Processing/Food Safety</td>
<td>316 (6%)</td>
</tr>
<tr>
<td>Others</td>
<td>263 (5%)</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>5,370</strong></td>
</tr>
</tbody>
</table>
Continuing Professional Education (CPE) - Legal Basis

- The Veterinary Act was amended in December 2015
  - Article 5.3: Veterinarians must undergo continuing education and renew their practice licenses every 6 years.

- "Regulations Governing Veterinary Practice Registration and Continuing Education" (RGVPRCE) was formulated in December 2016 according to Article 5.4 of the Veterinary Act.

- Bureau of Animal and Plant Health Inspection and Quarantine (BAPHIQ, Central competent authority) is responsible for implementing RGVPRCE.
CPE-Veterinary Education Committee

- Veterinary Education Committee - set up by BAPHIQ
  - Missions: Consultation for the promotion of veterinary education and continuing education.
  - Members:
    Representatives from veterinary education establishments, veterinary organizations, veterinary research institutions, local animal disease control centers, BAPHIQ, etc.

- Taiwan Veterinary Medical Association (TVMA)
  - The TVMA is authorized by BAPHIQ to serve as the accreditation body of continuing education courses and credits.
Workflow of Application, Verification and Registration of CPE courses

BAPHIQ authorsizes CPE Course Providers

CPE Course Review Committee (under the TVMA)

Approval Organization/NGO (TVMA)

Guideline for Verification of Courses and Recognition of Credits of Veterinary CE

CPE Management System

Veterinarians

CPE Course Providers
Course Verification

Guideline for Verification of Courses and Recognition of Credits of Veterinary CE

- The Guideline is approved by BAPHIQ
- Contents:
  - Organization of CPE Course Review Committee
  - Workflow
  - Operational mode
  - Documentation
  - Fee items and amount
  - Fee for application course/paper review:
    - NTD1,500-7,000/each course (ca. USD 50-235)
    - NTD500/each paper (ca. USD 16)
## Overview of the Veterinary Students in Taiwan

<table>
<thead>
<tr>
<th>Yes</th>
<th>Four 5-year undergraduate programs</th>
</tr>
</thead>
<tbody>
<tr>
<td>One</td>
<td>4-year post-baccalaureate program</td>
</tr>
</tbody>
</table>

- **3** College of Vet Med
  - NCHU, NCYU, NPUST
- **1** Professional School of Vet Med
  - NTU
- **1** Post-graduate Program
  - AU
- **✓** Confer DVM degree
  - Doctor of Veterinary Medicine

- **✓** 250 DVM graduates/year
  - ~ <100 MS graduate/year
  - ~ <10 PhD graduate/year

- **✓** Board certification (computer-based) for licensed practice
  1. Veterinary pathology
  2. Veterinary pharmacology
  3. Laboratory diagnosis
  4. Veterinary general disease
  5. Veterinary infectious disease
  6. Veterinary public health

  Average of 60 is required
Requirements of CPE in Taiwan

- To be Started in 2017
- 120 credit hours every 6 years
- Required for practice, validate at license renewal

Design:

- Credits from each of the following 3 categories are required
  a. **Veterinary Specialties >72**
     - Disease diagnosis, Pathology, public health etc
  b. **Veterinary Quality 12~24**
     - Hospital management, client relationship, communication skills etc
  c. **Ethics and Laws 12~24**

*(b + c) need to have a minimum of 12 points*
<table>
<thead>
<tr>
<th>Credit sources</th>
<th>Credit (Ct) counts</th>
</tr>
</thead>
</table>
| 1 Specific CE courses offered by University, Vet association, Teaching hospital, Government, Foundation | Participant: 1 Ct/session  
Speaker: 5 Cts/session                        |
| 2 Public health, disease control related courses                              | 2 Cts/session, max. 30 Cts               |
| 3 National conferences                                                         | Participant: 1 Cts  
Speaker: 3 Cts  
Poster: 1 or 2 Cts (1st author)            |
| 4 Internationally recognized veterinary conferences                             | Participant: 2 Cts  
Speaker: 10 Cts  
Poster: 1 or 3 Cts (1st author)            |
| 5 Communication/correspondence courses by veterinary- or biomedical-related journals | 1 Cts/course (max. 20 Cts)             |
| 6 On-line, Web course/seminar                                                  | 1 Cts/course (max. 40 Cts)               |
| 7 Taking relevant courses in domestic or overseas universities                 | 5 Cts/session, max. 15 Cts per semester   |
| 8 Practicing veterinary medicine abroad with proof of continuing education in that country | Max. 10 Cts/year with proof             |
| 9 Training in research institutions                                            | 2 Cts/day, max. 20 Cts                   |
| 10 Residency training at teaching hospital                                      | 30 Cts/year                             |
| 11 Peer reviewed original research publication                                 | 16 Cts/ paper (1st author)  
6 Cts/ paper (2nd)  
2 Cts/ paper (3rd and after)  
Other type paper divided by half         |
Notes:

✓ A session refers to a period of at least 45 minutes

✓ Credits for veterinary practice in Taiwan’s offshore islands will be doubled except for categories 5 and 8 shown in the previous table.

✓ Fifty percent more credits will be earned for veterinary practice in the remote rural areas.

Failure to comply:

If a license-holder fails to receive the amount of continuing education necessary, a written notice will be sent before a six-month period. If, after six months, the requirements have not been met, the license will expire.
Veterinary Specialty Society in Taiwan

**Comparative Pathology**
**Chinese Traditional Medicine**
**Veterinary Dermatology**
**Veterinary Internal Medicine**
**Veterinary Kidney Specialists**
**Veterinary Ophthalmology**
**Veterinary Orthopaedic**
**Veterinary Pathology**
**Veterinary Surgeons**

Serve as bases for CE
How to Find the CPE Courses

CPE Management System

Courses list:

<table>
<thead>
<tr>
<th>Course Date</th>
<th>Course Title</th>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017/08/11</td>
<td>講師動物保衛所</td>
<td>細菌學</td>
<td>...</td>
</tr>
<tr>
<td>2017/08/11</td>
<td>行政農林糧食部動物防疫所</td>
<td>基礎教育</td>
<td>...</td>
</tr>
<tr>
<td>2017/08/12</td>
<td>臺中市動物防疫所</td>
<td>基礎教育</td>
<td>...</td>
</tr>
<tr>
<td>...</td>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
</tbody>
</table>
Summary of CPE Courses in Taiwan

- Amount of CPE Courses: 516
  
  (1^{st} January~15^{th} August)
  
  ✓ Companion Animals : 49%
  ✓ Public Health/Government : 19%
  ✓ Livestock/Farm Animals : 27%
  ✓ Laboratory Animals/Other : 5%
自由時報
2018 02 22

興大、堪薩斯州大創舉／獸醫跨國雙聯學位 最快7年拿到

2017-02-22

〔記者蘇孟娟、吳柏軒／綜合報導〕國立中興大學與美國堪薩斯州立大學簽訂全台首創的獸醫學士跨國雙聯學位，學生在興大就讀兩年，再到美國讀一年預科教育與四年獸醫專業學院教育，即可獲得兩校的獸醫學士，同時兼具台、美兩國獸醫師執照及資格，增加學生的國際競爭力。

興大獸醫學院院長周濟恩指出，首屆赴美學生已完成面試，共有四名學生獲錄取，預計八月可赴美求學，學費由學生自付，一年約五萬美元。

中興大學指出，美國堪薩斯州立大學獸醫學院開辦的是學士後獸醫學士，中興大學也是台灣第一所與堪薩斯州立大學簽訂，自大學部直接銜接學士後獸醫雙聯學位的大學，昨由興大校長林富雄、堪薩斯州立大學獸醫學院院長Tammy Beckham等人完成簽約儀式。

周濟恩表示，美國五十州僅有三十個獸醫學院，且美國獸醫為學士後四年制，一般美國學生至少須讀完大學四年，再加上學士後四年才能取得學位，另因競爭激烈，大學畢生素往往需要工作一至兩年才進入獸醫學院，興大與對方簽訂的雙聯學位，優勢是讓國內學生有機會最快在七年内，比美國學生花更短的時間，拿到美國及台灣的雙獸醫學士。

學生林佑哲、吳萱薇、王禹心及賴銘宇均獲面試通過，四人均是大二生，因從小對動物有興趣選擇獸醫

College of Veterinary Medicine 2018 Symposium on Swine Medicine
2018 年 養豬暨醫學研討會

CPE activity
<table>
<thead>
<tr>
<th>講者</th>
<th>日期</th>
<th>講題</th>
<th>地點</th>
<th>時間</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Randy Albrecht</td>
<td>10月4日2018</td>
<td>Ferret model for influenza study</td>
<td>獸醫館視聽教室</td>
<td>15:10-17:00</td>
</tr>
<tr>
<td>Dr. Gwong-Jen Chang</td>
<td>11月8日2018</td>
<td>Can the safety of dengue vaccine be improved and how?</td>
<td>獸醫館視聽教室</td>
<td>15:10-17:00</td>
</tr>
<tr>
<td>Dr. Olivier M. Lepage (病豬中心主任)</td>
<td>11月8日13:30-16:30</td>
<td>Equine traumatology</td>
<td>診中101</td>
<td></td>
</tr>
<tr>
<td></td>
<td>11月9日15:00-18:00</td>
<td>Respiratory, reproductive &amp; digestive tract disorders</td>
<td>診中108</td>
<td></td>
</tr>
<tr>
<td></td>
<td>11月12日09:00-12:00</td>
<td>Equine emergency</td>
<td>診中202</td>
<td></td>
</tr>
<tr>
<td></td>
<td>11月13日09:00-12:00</td>
<td>Update in equine medicine &amp; surgery</td>
<td>診中202</td>
<td></td>
</tr>
<tr>
<td>Dr. Bruno B. Chomel</td>
<td>12月6日2018</td>
<td>1) Emerging rodent-borne zoonoses</td>
<td>獸醫館視聽教室</td>
<td>10:10-12:00</td>
</tr>
<tr>
<td></td>
<td>12月6日2018</td>
<td>2) Mosquito-borne zoonoses</td>
<td>獸醫館視聽教室</td>
<td>15:10-17:00</td>
</tr>
<tr>
<td>Dr. John Hwa Lee</td>
<td>12月11日2018</td>
<td>Vaccine development using a Salmonella delivery system</td>
<td>診中101</td>
<td>10:10-12:00</td>
</tr>
</tbody>
</table>

College of Veterinary Medicine, National Chung Hsing University
Veterinary Specialty Examination--Veterinary Pathologist

- Who can take the exam?
- Each subject needs to have minimum score of 60.
- Will be held every two years
- The average passing rate is about 40%
- Up to date, there are approximately a total of 50 veterinarians getting the certificate.
- After then, they need to follow the CPE regulations to maintain their specialty license.

Computer-based examination for four subjects:
1. General Pathology
2. Systems Pathology
3. Gross-pathological Diagnosis
4. Histopathological Diagnosis
The Promotion System of Veterinarians in Veterinary Medical Teaching Hospital, NCHU

- Intern
- Resident
- CR
- VS

- Interview
- One case report/full article on SCI journals or one full article on Taiwan Vet J.
- One full article on a SCI journal
- Two case reports on SCI journals
- Two short communication papers on SCI journals
- Two full articles on Taiwan Vet J. (met one of the above items)
In Memory of Dr. TH Shih and Thanks for Dr. Shih’s Major Contribution in Veterinary Medicine in Taiwan

Dr. Tai-Hwa Shih,
Chief Veterinary Officer,
Deputy Director General,
Bureau of Animal and Plant Health Inspection and Quarantine,
Council of Agriculture,
Executive Yuan,
Taiwan
Thanks Very Much for Your Attention