

大学の世界展開力強化事業
東南アジア医療・歯科医療ネットワークの構築を目指した大学間交流プログラム

国際シンポジウムⅢ

東南アジア歯科医療ネットワークの構築
を目指した大学間交流プログラム

International Symposium III

“Inter-University Exchange Program toward Dental Networking
in Southeast Asia”

2013 年 10 月 28 日



東京医科歯科大学
TOKYO MEDICAL AND DENTAL UNIVERSITY

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国際シンポジウム

東南アジア歯科医療ネットワークの構築を目指した大学間交流プログラム

International Symposium

Inter-university Exchange Programs toward Dental Networking in Southeast Asia



開催趣旨:

東京医科歯科大学では、大学の世界展開力強化事業「東南アジア医療・歯科医療ネットワークの構築を目指した大学間交流プログラム」を実施しております。本シンポジウムでは、最初にコンソーシアムを形成するチュラロンコン大学(タイ)、インドネシア大学(インドネシア)およびホーチミン医科薬科大学(ベトナム)における国際交流プログラムを紹介していただきます。その後、大学間交流プログラムに今年度参加した学生からの実践報告をもとに、質の保証を伴った国際交流プログラムを実施するためのディスカッションを行います。多数の皆様のご参加をお待ちしております。

日時
Date

2013年10月28日(月)
13時30分～16時30分
October 28 (Mon), 2013 13:30～16:30

場所
Place

東京医科歯科大学特別講堂
1号館西9階
Special Lecture Hall
Building No.1 West, 9th Floor, TMDU

参加無料 (Admission free)

使用言語:英語 (Language: English)

座長: 竹原祥子(国際交流センター)
Chair: Dr. Sachiko Takehara
(International Exchange Center, TMDU)

開会の辞: 須田英明(教育担当理事)

Opening Remarks: Prof. Hideaki Suda (Trustee for Education, TMDU)

第1部: 各大学における国際交流プログラムの紹介

Part 1: Introduction of each university's international exchange programs

- | | |
|--|-----------------------------|
| ● Chulalongkorn University (CU) | Assoc.Prof. Prim Auychai |
| ● University of Indonesia (UI) | Dr. Melissa Adiatman |
| ● University of Medicine and Pharmacy at Ho Chi Minh City (UMPH) | Assoc.Prof. Nguyen Thi Hong |
| ● Tokyo Medical and Dental University (TMDU) | Prof. Yoko Kawaguchi |

第2部: 大学間交流プログラムに参加した学生による報告「私たちが学んだこと、私たちが考えたこと」

Part 2: Student reports on their experience in the inter-university exchange program:
"What we learned and what we thought"

- | | |
|---|---|
| ● TMDU Dental Training Program 2013 Fall | CU students, UI students, UMPH students |
| ● Dental Training Program in Thailand 2013 | TMDU students |
| ● Dental Training Program in Indonesia 2013 | TMDU students |

第3部: ディスカッション

Part 3: Discussion

閉会の辞: 田上順次(歯学部長)

Closing Remarks: Prof. Junji Tagami (Dean, TMDU)

1. シンポジウムの写真



Students and faculty members from CU, UI, UMP and TMDU



Students and faculty members from CU with Prof. Tagami



Students and faculty members from UI with Prof. Tagami



Students and faculty members from UMP with Prof. Tagami



Students from TMDU with Prof. Tagami



Faculty members from CU, UI, UMP and TMDU





Part 1

Introduction of Each University's International Exchange Programs

1. International Exchange Program at Chulalongkorn University

Assoc Prof. Prim Auychai

จุฬาลงกรณ์มหาวิทยาลัย
Chulalongkorn University
Office of the Rector

INTERNATIONAL SYMPOSIUM

**INTER-UNIVERSITY EXCHANGE PROGRAMS
TOWARD DENTAL NETWORKING IN SOUTHEAST ASIA**

Prim Auychai
Faculty of Dentistry Chulalongkorn University

Tuesday, October 29, 13

จุฬาลงกรณ์มหาวิทยาลัย
Chulalongkorn University
Office of the Rector

GOALS & ACTIVITIES

International Affairs

- To promote the Faculty to be recognized internationally
- To foster the establishment of Memorandum of Understandings with overseas Dental Schools
- To promote international conferences and meetings
- Support exchange students for their educational and cultural development

Tuesday, October 29, 13

จุฬาลงกรณ์มหาวิทยาลัย
Chulalongkorn University
Office of the Rector

Promote the school at international meetings (information booth)

1st APR-IADR Wuhan 2009

ANZ-IADR Kiama 2010
Faculty of Dentistry, Chulalongkorn University

IADR Seattle 2013

SEA-IADR Taiwan 2010

Tuesday, October 29, 13

จุฬาลงกรณ์มหาวิทยาลัย
Chulalongkorn University
Office of the Rector

Establish Memorandum of Understanding between universities

Tuesday, October 29, 13

จุฬาลงกรณ์มหาวิทยาลัย
Chulalongkorn University
Office of the Rector

The 70th Anniversary Celebration
Faculty of Dentistry Chulalongkorn University
Aug 12 - 14, 2010

Tuesday, October 29, 13

จุฬาลงกรณ์มหาวิทยาลัย
Chulalongkorn University
Office of the Rector

Promote international conferences and meetings

Tuesday, October 29, 13

จุฬาลงกรณ์มหาวิทยาลัย
Chulalongkorn University
Princess of Siam

Support exchange students for their educational and cultural development

Outbound

Year of students participating

- Undergraduate student4, 5, 6
- Postgraduate studentMS (2nd year esthetic)

Exchange period

- Undergraduate student 1 - 2 weeks
- Postgraduate student 2 weeks - 3months

Tuesday, October 29, 13

จุฬาลงกรณ์มหาวิทยาลัย
Chulalongkorn University
Princess of Siam

Support exchange students for their educational and cultural development

Outbound

How to Apply?

- Fill out an application form
- Write a short essay stating reason for apply
- English interview by Student's Affairs

Tuesday, October 29, 13

จุฬาลงกรณ์มหาวิทยาลัย
Chulalongkorn University
Princess of Siam

Support exchange students for their educational and cultural development

Outbound

Tuesday, October 29, 13

จุฬาลงกรณ์มหาวิทยาลัย
Chulalongkorn University
Princess of Siam

Support exchange students for their educational and cultural development

Tuesday, October 29, 13

จุฬาลงกรณ์มหาวิทยาลัย
Chulalongkorn University
Princess of Siam

Support exchange students for their educational and cultural development

Outbound

- Exchange students present their experience to other students and staff

Tuesday, October 29, 13

จุฬาลงกรณ์มหาวิทยาลัย
Chulalongkorn University
Princess of Siam

Inter-University Exchange Program toward Medical and Dental Networking in Southeast Asia

March 2013

Tuesday, October 29, 13

Wax carving & Wire bending Contest



Tuesday, October 29, 13

Wax carving & Wire bending Contest



Tuesday, October 29, 13

What did the students feel they achieved from this project?

Knowledge



- Working in the laboratory
- Studying with TMDU professors
- Learning about dental clinic

Tuesday, October 29, 13

New Friends

- Thailand
- Vietnam
- Indonesia
- Japan



Tuesday, October 29, 13

Cultural exchange



Tuesday, October 29, 13

Memorable Trip in Japan



Tuesday, October 29, 13

จุฬาลงกรณ์มหาวิทยาลัย
Chulalongkorn University
Princess of the Kingdom

Support exchange students for their educational and cultural development

Outbound

Esthetic and Implant dentistry



Tuesday, October 29, 13

จุฬาลงกรณ์มหาวิทยาลัย
Chulalongkorn University
Princess of the Kingdom

Inbound

Exchange period

- Undergraduate student 1 - 2 weeks
- Twice a year: January and July-August

Number of students

- Usually 5 students at a time

Tuesday, October 29, 13



Tuesday, October 29, 13

How to apply?

Inbound



Fill out an application form

Tuesday, October 29, 13

จุฬาลงกรณ์มหาวิทยาลัย
Chulalongkorn University
Princess of the Kingdom

Number of students and university

| Year | No. of students | University |
|-----------|-----------------|---|
| 2005-2009 | 25 | UPenn |
| 2010 | 18 | UPenn, U of Sheffield, SNU, KCL |
| 2011 | 12 | UPenn, KCL, U of Baltimore |
| 2012 | 7 | Yonsei, U of Melbourne, U of Sheffield, |
| 2013 | 33 | UPenn, U of Fiji, TMDU |

Tuesday, October 29, 13

จุฬาลงกรณ์มหาวิทยาลัย Chulalongkorn University **Support exchange students for their educational and cultural development**



Tuesday, October 29, 13

จุฬาลงกรณ์มหาวิทยาลัย Chulalongkorn University **Support exchange students for their educational and cultural development**



Tuesday, October 29, 13

จุฬาลงกรณ์มหาวิทยาลัย Chulalongkorn University **Support exchange students for their educational and cultural development**



Tuesday, October 29, 13

จุฬาลงกรณ์มหาวิทยาลัย Chulalongkorn University **Cultural Night**

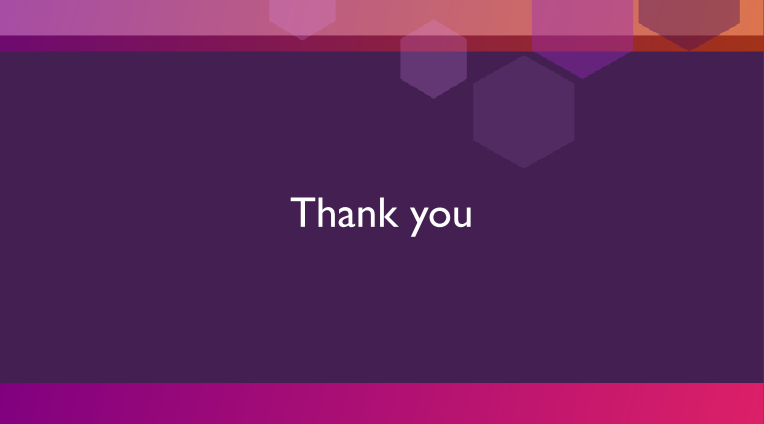


Tuesday, October 29, 13

จุฬาลงกรณ์มหาวิทยาลัย Chulalongkorn University **Support Faculty exchange encouraging academic discourse**



Tuesday, October 29, 13



Tuesday, October 29, 13

2. International Exchange Program in Universitas Indonesia Dr. Melissa Adiatman




OVERVIEW

University of Indonesia acknowledges that its role and contribution to every change in the local and global levels will be determined by each of the university's activities in the society. In order to give significant contribution to the nation and to the world, University Indonesia sets its vision to be a :

“world class research university”



The key dimensions of internationalization of UI :

1. Internationalized staffs and students of University of Indonesia
2. Mobility programs of staffs and students
3. International research collaboration
4. Internationally focused curricula



UI: International activities

- The above dimensions are supported by Universitas Indonesia active role in 7 higher learning associations in Asia Pacific, Europe, Southeast Asia, and worldwide associations




**ASEAN
University
Network**





University of Indonesia

| Organizations | Status |
|---|---|
| APRU (Association of Pacific Rim Universities) | Member (since 1957) |
| ASAIHL (The Association of Southeast Asian Institutions of Higher Learning) | Founding Father (1956), President (2005-2006) |
| ASEA-Uninet (ASEAN-European Academic University Network) | Member (since 1998) |
| SEAMEO (Southeast Asian Ministers of Education Organization) | Member |
| AUN (ASEAN University Network) | Founding Father (Nov 1995), Active Member |
| AUAP (Association of Universities of Asia and Pacific) | Founding Father (1995), Full Member |
| FUIW (Federation of the Universities of the Islamic World) | Full Member |
| International Ranking Expert Group (IREG) | Member |




INTERNATIONAL OFFICE

- International Office is the university division dedicated to support the internationalization goals of the university, and to handle international mobility involving our and international students and faculty members.
- The goal is to assist the international students and scholars handle their **academic-related matters** at University of Indonesia and to bridge UI members with overseas universities.



STUDENT EXCHANGE

- As an implementation of the cooperation between UI and partner universities
-  Students are allowed to study in partner universities for **1 or 2 semesters**
- Students who are interested must :
 - Fulfilled the qualification of UI and partner universities
 - Apply through UI's International office
 - Pay their tuition fees only to UI and exempted from the tuition fees in partner university
 - credits of the courses are transferrable to University of Indonesia based on approval



In case of FACULTY OF MEDICINE

| Faculty | Study Program | In Cooperation with |
|--|----------------|--|
| Medicine | Medical Doctor | Monash University (Australia) University of Melbourne (Australia) University of Newcastle (UK) |
| Length of Study: 6 years <ul style="list-style-type: none"> • 5 years at Universitas Indonesia, 1 year at partner univ. • Tuition Fee at partner university: Monash University AU\$ 48.000/year Melbourne University AU\$ 52.000/year | | |
| IASTH Building, 5th floor Jl.Salemba Raya No. 4 Jakarta Pusat 10430 Website: http://www.fk.ui.ac.id | | |



In case of Faculty of Dentistry

- Currently credit of study subjects are not transferrable yet, due to the differences in curriculum of each faculty of dentistry in partner universities
- Currently we have students studying full course of dentistry from **Malaysia and Korea** (course are taught in bahasa Indonesia)
- Accepts short term student exchange to observe how we study dentistry in Indonesia, and experiencing some specific cases



**International exchange activities at the Faculty of Dentistry
Period 2012 – 2013**



MoU with Hokkaido University of Health Sciences





FACULTY OF DENTISTRY



A visit from Turki



Vice president of Hiroshima Univ.



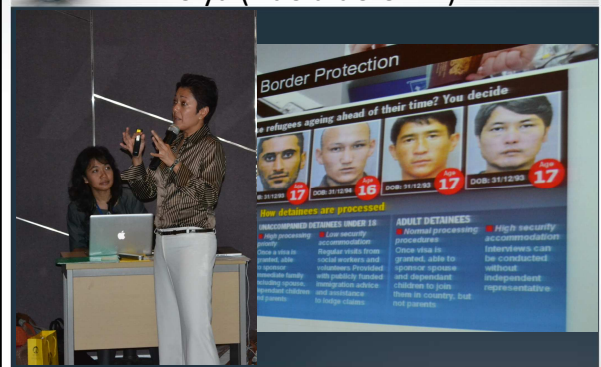
Mr. Steve Gerber, Int'l Training Manager, Ultradent Inc.



Free Seminar The latest Development in Esthetic Dentistry



Face and Body Mapping by Dr. Meiya (Adelaide Univ.)





Dr. Michael Dieter, DDS (Germany)



Oral and Maxillofacial Oncology
(Dr. Shinohara, Japan)



Restoratif after Endodontic treatment with
Dr. Jeffrey Wen Wei Chang, BDS, MDS
(Prince Philip Dental Hospital Hong Kong)



A visit from USM, Malaysia



TMDU visit 3 – 10th September



APDSA

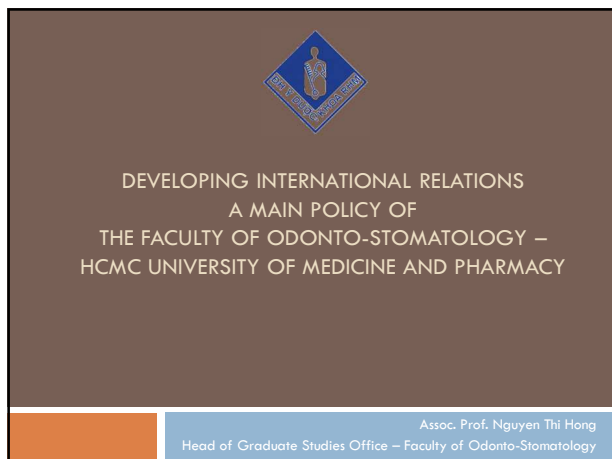
(Asia Pacific Dental Student Association)

- Indonesian students are very active in Participating in APDSA
- Last August the APDSA congress was held in Bali, Indonesia





3. International Exchange Program in University of Medicine and Pharmacy at HCMC Assoc. Prof. Nguyen Thi Hong

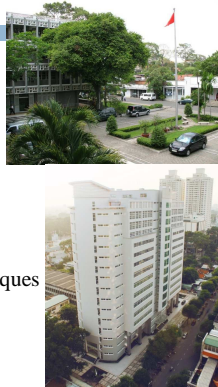


Contents

1. Introduction of HCMC UMP and Faculty of OS
2. Purpose of international relations of Faculty of OS
3. International relations in education and research
4. Conclusion and Proposal

HCMC UNIVERSITY OF MEDICINE AND PHARMACY (HCMC - UMP)

1. Faculty of Medicine
2. Faculty of Pharmacy
3. Faculty of Odonto – Stomatology
4. Faculty of Traditional Medicine
5. Faculty of Public Health
6. Faculty of Fundamental Sciences
7. Faculty of Nursing & Medical Techniques



UMP- FACULTY OF ODONTO-STOMATOLOGY



HCMC UNIVERSITY OF MEDICINE AND PHARMACY

- 120 new dental undergraduate students/year
- Undergraduate 6-year curriculum program



Graduate programs

60 new graduate students/year

- Master course (2 years) -> PhD course (3 years)
- Or 1st-degree specialty (2 years) -> 2nd-degree specialty (2 years)



Master students in 2013

EXPECTATIONS



- To broaden the scope in dental education
- To upgrade teaching
- To provide opportunity for teachers and students to have an insight into international dental education
- To establish network/ links in research
- To step forward to mutual recognition and international integration
- To strengthen friendship among international colleagues

Education

- Sharing teaching materials
Strasbourg, Hiroshima,...
- Sharing lectures by video conference
Hiroshima, TMDU
- Co-organizing continuing education program independently or integrated
Inter University Diploma with French universities
- Attending international conference
- Organizing annual workshop on dental education for all dental schools in Vietnam to catch up with the world dental & move toward regional integration



Student Exchange Programs



- Summer rotation of international students from French schools (Bordeaux, Marseille, Lille, Strasbourg...)
- Performing simple dental procedures in our clinics
- Dental examination and education to poor children
- Humanitarian dental care activities in remote communities.
- UBC Resident doctors in the Hospital Dentistry Program on a regular basis (since 2002)
- 2 wks in April and 2 wks in November/year
in Oncology Hospital and in Maxillo-facial Surgery Hospital

Hosting foreign students

- Getting an overview on dental education and dental care system in Vietnam
- Joining activities under the school based dental program
- Acquiring clinical experience in maxillo-facial pathology and surgery
- Providing oral health education and basic dental care in the faculty dental clinic setting.
- Sharing cultural experience and making friends



Student Exchange programs

- Summer rotation of French students
- UBC Resident doctors
- Vietnamese students attending short exchange program
10 days to 6 months in TMDU, HU, Mahidol
- "Sandwich program" with HU
Hiroshima international dental course for undergraduates
with 1st year in VN -> 2nd 3rd 4th 5th years in HU
-> 6th year in VN



Graduate and Postgraduate training

- Ph.D training:
 - 3 Ph.D trained in Marseille, 1 in TMDU, 3 in HU, 1 in Aichi-Gakuin
- Short stay in international laboratory during PhD course
TMDU, HU, Chulalongkorn, ...
- International publications: weak point.

Graduate and Postgraduate training

- National fellowship **program 911**
(Vietnamese government scholarship):
opens new opportunities for teaching staff
studying PhD with:
 - 6 month abroad
 - or 1-2 years abroad (collaborative PhD course)
 - or total 3-4 years abroad (international PhD course)

International linkages in research

- Oral Cancer with TMDU, UBC
- Public Health, Histopathology, Radiology with TMDU, HU
- Cariology (Aichi-Gakuin)
- Dentin hypersensitivity (Marseille)
- Dental materials (Paris)



COOPERATION AGREEMENTS

- TMDU, HU
- CCFEQV
- UBC (CANADA)
- THAILAND
- IADR-SEA, SEAADE, ICD



Relations with TMDU

- 4 first trainees in 1 year-training program (1996-2000)
- Dr. Pham Anh Vu Thuy : First PhD (2011)
- Alumni group very much dedicated to promote relations with TMDU



Relations with TMDU

- Student exchange program
- Staff exchange program
- Staff in training at TMDU:
 - 3 PhD students
 - 2 in 1-year course



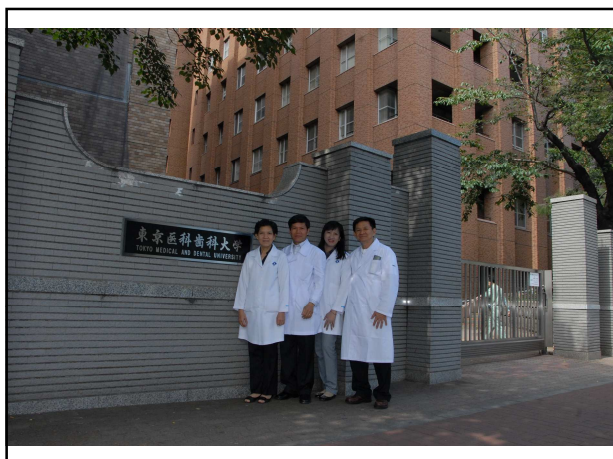
THE FUTURE

- Collaborative research laboratory and center
- Muticentric research studies
- International publications
- International teaching program



HUMAN VALUES

- Promote cultural understanding
- Promote international friendship
- Long lasting and efficient international cooperation is built up on enjoyable human relations



Proposal to TMDU

- Continuing student and staff exchange programs
- On-line lecture to undergraduate & graduate students
- Providing international course in Vietnam
- Supporting collaborative research
- Receiving PhD students following program 911
- Invitation / inform international conferences in Japan

Inter-Universities Exchange Program in October 2013



10 Vietnamese students of 4, 5 & 6 grade and 2 teachers




4. International Exchange Program in Tokyo Medical and Dental University

Prof. Yoko Kawaguchi

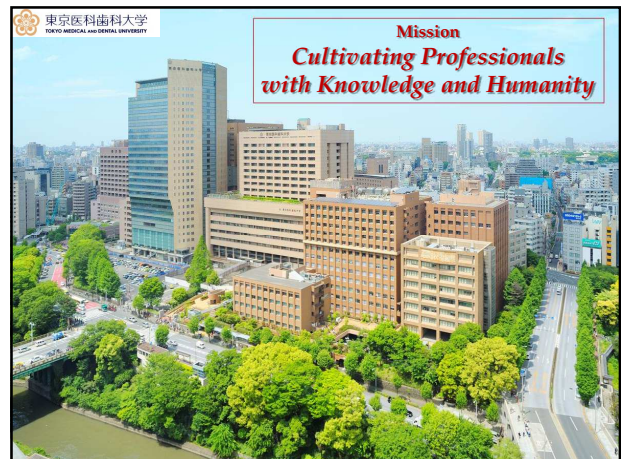
東京医科歯科大学
TOKYO MEDICAL AND DENTAL UNIVERSITY

International Symposium (October 28, 2013)
Inter-university Exchange Programs toward Dental Networking
in Southeast Asia


International Exchange Programs
Tokyo Medical and Dental University



Yoko KAWAGUCHI, DDS, PhD
Dept. of Oral Health Promotion,
TMDU, JAPAN



TMDU
東京医科歯科大学



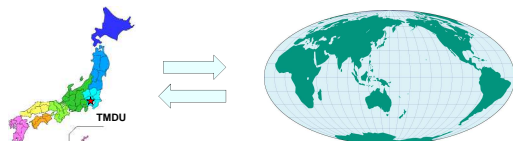
Our university logo mark was designed based on the initial letters of Tokyo Medical and Dental University. It has following meanings:

1. Bold lines express **confidence** and **strength** which are the heritage of our university.
2. By connecting the letters M and D, the logo mark implies **fusion of Medicine and Dentistry**.




International programs in TMDU

1. **Research**
International collaborative research projects
Department level
Project- base program
Ex) Core university project (1996-2005): TMDU-CU
Research collaboration project (1996-1998): TMDU-UI
2. **Health care service**
Provide free dental care in the developing countries
Voluntary individual level, Department level,
Project-base program (JICA, JAICOH)



3. Education

- 1) **For TMDU students (outbound)**
 - (1) TMDU Study Abroad Program (Scholarship by TMDU)
Short-term externship program
Target: M&D undergraduate/ postgraduate students
 - (2) Project-base Student Exchange Program
- 2) **For International students (inbound)**
 - (1) Education program (Scholarship by Monbusho, TMDU)
PhD Program (4 years, English course)
Master program (2 years)
Undergraduate program (6 years)
Research student program
 - (2) Short-term Externship from Overseas schools
 - (3) Project-base Student Exchange Program



3. Education

1) For TMDU students (outbound)

(1) TMDU Study Abroad Program (Scholarship by TMDU) Short-term externship program

Target: M&D undergraduate/ postgraduate students

(2) Project-base Student Exchange Program (2012-2016)

2) For International students (inbound)

(1) Education program (Scholarship by Monbusho, TMDU)

PhD Program (4 years, English course)

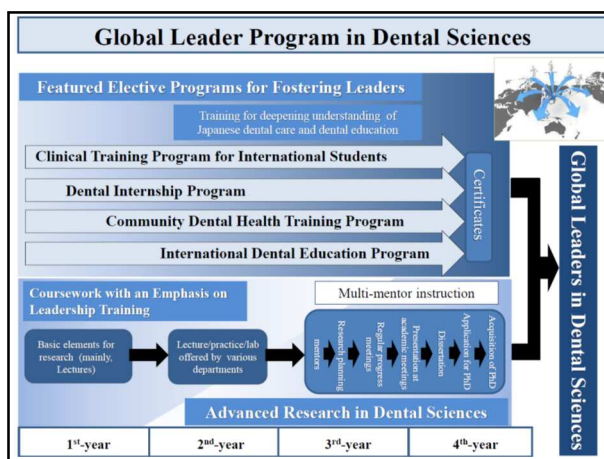
Master program(2 years)

Undergraduate program (6 years)

Research student program

(2) Short-term Externship from Overseas schools

(3) Project-base Student Exchange Program (2012-2016)



Name of affiliated universities by area (Faculty of Dentistry, TMDU)

| Area | Nation (No) | University |
|---------|-----------------------------|---|
| America | United States of America(4) | •University of Pennsylvania •Harvard School of Dental Medicine •University of North Carolina •University of California San Francisco |
| | Canada(1) | •McGill University |
| Europe | United Kingdom(1) | •King's College London |
| | Denmark(1) | •University of Copenhagen |
| | Czech Republic(1) | •Masaryk University |
| Oceania | Australia(1) | •The University of Melbourne |

| Area | Nation (No) | University |
|------|-------------|--|
| Asia | Korea(3) | •Seoul National University •Kyungpook National University •Chonnam National University |
| | China(7) | •Peking University •Dalian Medical University •Jilin University •Capital Medical University •Tongji University •Inner Mongolia Medical College •West China School of Stomatology Sichuan University |
| | Taiwan(3) | •Taipei Medical University •National Taiwan University •Kaohsiung Medical University |

| Area | Nation (No) | University |
|------|--------------|--|
| Asia | Thailand(7) | •Chulalongkorn University •Mahidol University •Chiang Mai University •Prince of Songkla University •Khon Kaen University •Naresuan University •Srinakharinwirot University |
| | Indonesia(1) | •University of Indonesia |
| | Vietnam(2) | •The University of Medicine and Pharmacy at Ho Chi Minh City •Ha Noi Medical University |

| Area | Nation | University |
|------|--------------|--|
| Asia | Singapore(1) | •National University of Singapore |
| | Malaysia(1) | •University of Malaya |
| | Myanmar(1) | •Institute of Dental Medicine, Yangon |
| | Cambodia(1) | •University of Health Sciences, Phnom Penh |
| | Laos(1) | •National University of Laos |
| | Mongolia(1) | •Health Sciences University of Mongolia |
| | Sri Lanka(1) | •University of Peradeniya |

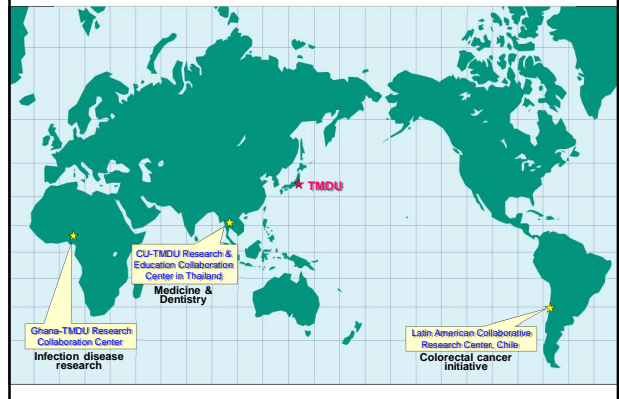
Number of affiliated universities of TMDU

| Area | No of University |
|---------|------------------|
| America | 5(13%) |
| Europe | 3(8%) |
| Oceania | 1(2%) |
| Asia | 30(77%) |
| Total | 39(100%) |



Faculty of Dentistry, TMDU, emphasize the importance of academic relationship with Asian universities, especially in **Southeast Asian area**.

TMDU International Outreach Centers

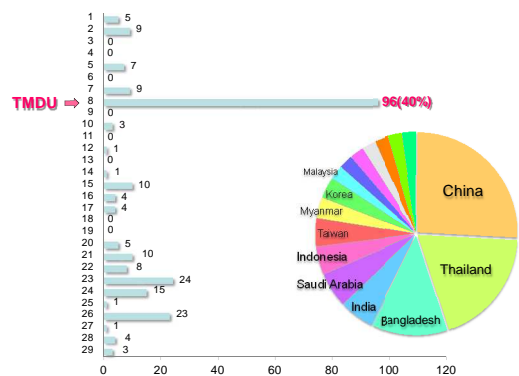


"CU-TMDU Research and Education Collaboration Center"

"CU-TMDU Research and Education Collaboration Center" was established on November 23, 2010. In the opening ceremony, Prof. Pirom Kamolratanakul (President of CU) and Prof. Takashi Ohyama (President of TMDU) delivered a memorial opening speech and performed a ribbon-cutting ceremony together in front of the entrance. More than 20 TMDU alumni, who are currently the academic staff of CU, also participated in the ceremony.



International students in Japanese dental schools Graduate programs: total number 243 (2012)



TMDU International Summer Program (Med & Dent)

The International Summer Program (ISP) was inaugurated to bring together students and researchers from around the world, with a special emphasis on inviting students and young researchers from Asia. ISP is sponsored by TMDU.

The Lecture Course: lectures by researchers from abroad and Japan
Poster sessions & panel discussion: young students from Asia and TMDU
International Symposium: current research-oriented presentations
Visiting labs of TMDU: opportunity to talk with professors

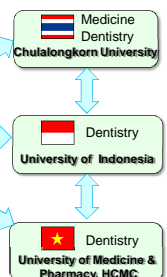
| Year | Theme | Participants (Country) |
|------|---|------------------------|
| 2009 | Recent Advances in Cancer Research | 35 (11) |
| 2010 | Infection and Immunity | 26 (14) |
| 2011 | Organ/Tissue Development and Regeneration - Fundamentals and Clinical Applications - | 23(14) |
| 2012 | Brain and Mind: Neuroscience Up-to-date | 24 (10) |
| 2013 | Biomaterials: - From the Laboratory to the Clinic - | 25 (16) |



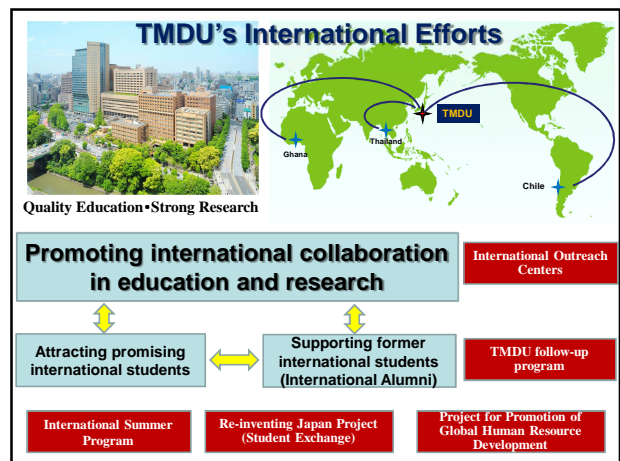
Inter-university Exchange Program toward Medical and Dental Networking in Southeast Asia (2012-2016)



TMDU
Faculty of Medicine
Faculty of Dentistry
Graduate School



1. Exchange programs for students between the four institutions
2. International academic meetings to enhance the knowledge and skills of students and young researchers
3. Global retreats to inspire interest among young people in international exchange conducive to network formation





Part 2

Student Report on Their Experience in the Inter-University Exchange Program

1. Students from Chulalongkorn University

What we learned and what we thought In Japan

What we learned?

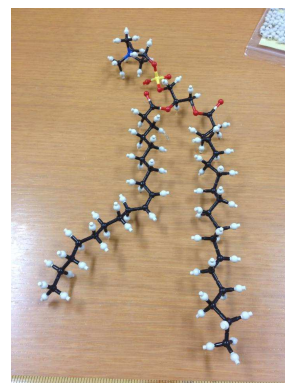
- Visiting basic science laboratory and clinic
- Inter- university relationship



Visiting basic science laboratory and clinic

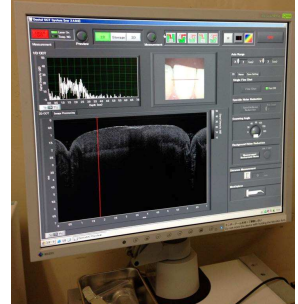
- Lectures and case discussions
e.g. molecular models, Failure of removable partial denture

e.g. auto-transplantation, describing and analyzing of radiographic images



Molecular structure of phospholipid

X-ray image discussion

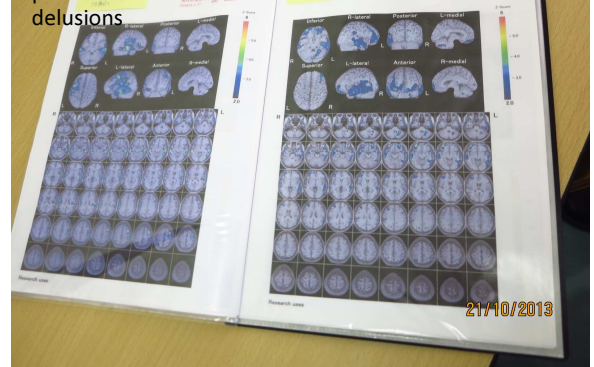


Visiting basic science laboratory and clinic

- Researches
Brain perfusion asymmetry in patient with oral somatic delusions

Evaluation of masticatory performance using color-changeable chewing gum

Brain perfusion asymmetry in patient with oral somatic delusions





Color-changeable chewing gum

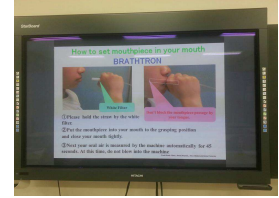


Visiting basic science laboratory and clinic

• Clinical practices



Fresh breath clinic



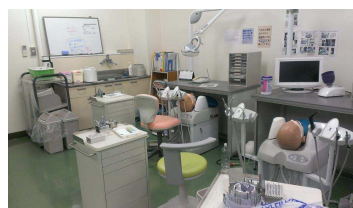
Sport dentistry



Mouth guard



Visiting basic science laboratory and clinic



4th grade labs



Visiting basic science laboratory and clinic

- Experiment
e.g. Gene transfer to mammalian cells by using electroporation and trap-in system

Induction of B7-H1 on HacaT or SCC VII cells by IFN

What we thought about academic?



Academic aspects

- We have gained great experiences.



Academic aspects

- Improvement of the Thai dentistry through Japanese dental school visiting



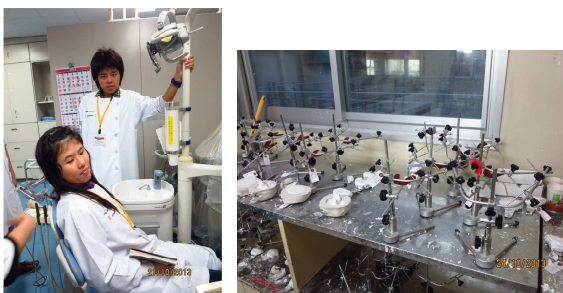
Academic aspects

- Japanese professors and staffs are our inspiration.



Academic aspects

- Improving of our thinking process

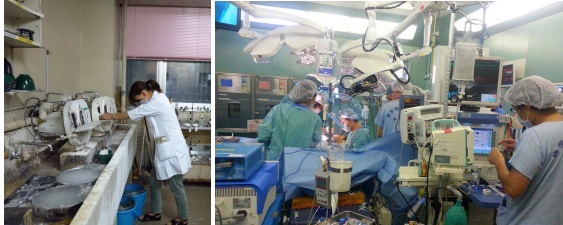


Academic aspects

- Some theories are different from ours.
- Aseptic techniques are different from ours.
- Students : teachers ratio is lower than ours so more discussions.
- Skill labs providing materials which are sufficient for practicing skill.

Academic aspects

- We agree with the system which let under graduated student do all work in dental field e.g. reception, dentist, assistant



Academic aspects

- The clinical years in Thailand consist 3 years
- The dental terms in Japan are Japanese which are different from us which use the English terms.



Special request

- We would like to know our schedules before we get to Japan so we can prepare ourselves to each department.



Inter- university relationship

- Exchanging of the experiences
- Exchanging knowledge
- Cultural exchanging
- Future connection



Our lovely friends

• Cultural night



A memorable night

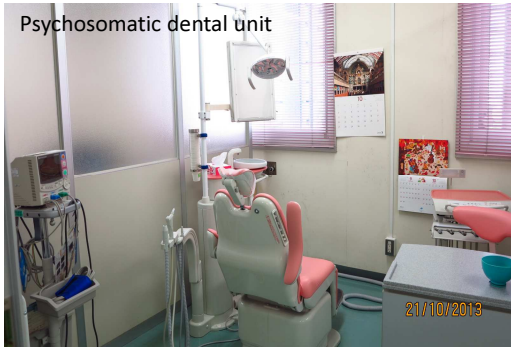


What we thought?



What we thought?

Psychosomatic dental unit



Our Vietnamese friends



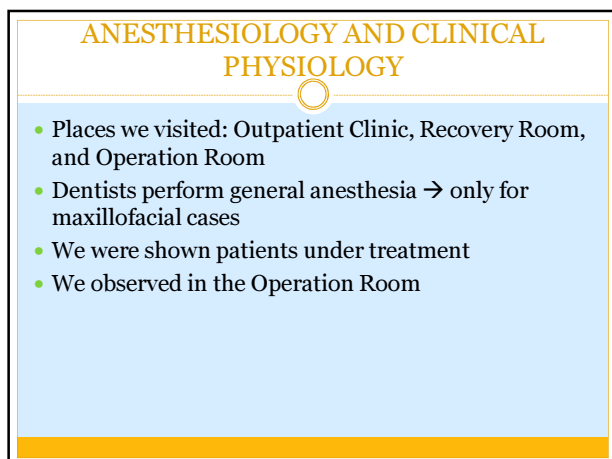
Our Indonesian friends

Sekai ni hitotsu
dake no hana



Thank you

2. Students from Universitas Indonesia



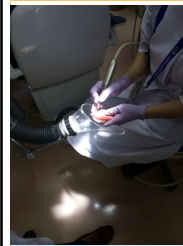
MAXILLOFACIAL PROSTHODONTICS

The patients conditions that need some treatments from this department, such as :

- Mandibulectomy patient that needs prosthetics
- CLP (cleft lip and palate)
- Patient with intraorally defect, for example patient who has oral cancer and after the surgery, there will be a wide defect.

The treatments are :

- Intraorally prosthesis with obturator to cover the defect.
- Extraorally prosthetic such as eyes and ears
- Biting evaluation by chewing gums



REPAIRING THE DENTURE

BITE EVALUATION



IMPRESSION MATERIAL

MAXILLOFACIAL ORTHOGNATHICS



ORAL IMPLANTOLOGY

Activities :

- Basic explanation about dental implantology
- Visiting clinic
- Discussion



CARIOLOGY AND OPERATIVE DENTISTRY

- Treatment of caries using composite and inlay-onlay
- Research composite and bonding agents



Thermal aging device



Tensile Strength tester



Optical Coherence Tomography (OCT) device



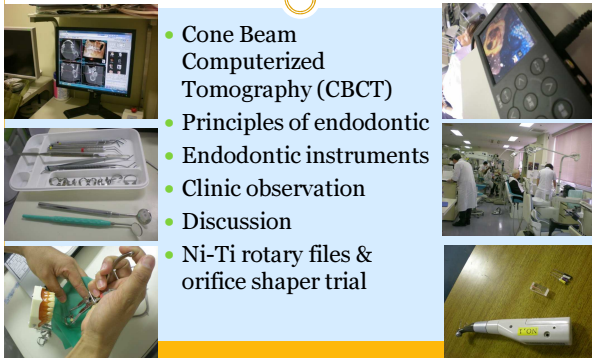
Isomed device

ORTHODONTIC LAB

Activity :
Observation



PULP BIOLOGY AND ENDODONTICS



- Cone Beam Computerized Tomography (CBCT)
- Principles of endodontic
- Endodontic instruments
- Clinic observation
- Discussion
- Ni-Ti rotary files & orifice shaper trial

GENERAL DENTISTRY

- Skills Laboratory
- 6th year students' room
- General Dentistry 1 & 2 Clinic Observation
- Discussion : Comparison between four countries

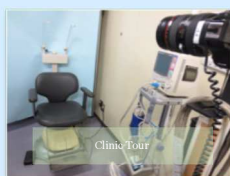
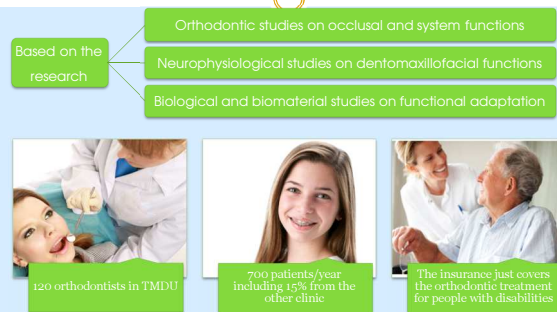


TEMPOROMANDIBULAR JOINT CLINIC



- Clinic Observation
- Presentation on New Strategy and Tactics in Treating TMD Patients
- TMJ Clinic's study model
- Patient examination and diagnosis

ORTHODONTIC SCIENCE

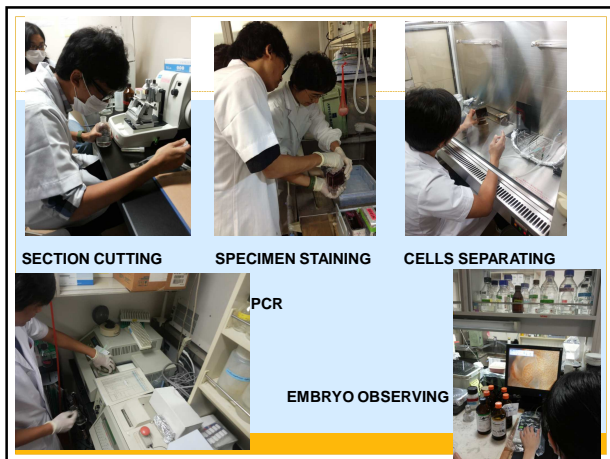


MOLECULAR CRANIOFACIAL EMBRYOLOGY

Basically this department is observing about **development** so they use some embryos especially mice embryos. They give something like genes, cancer, to the mice and observe the embryos.

Our activities in this lab :

- Separate the cells from the plate and another cells.
- Sections cutting.
- Samples staining



DENTISTRY FOR PERSON WITH DISABILITIES

- SPECIAL CARE, not special treatment
- Treat patient with communication disability, position disability, mental retarded, and hyperactive
- Sedation use for maximum 30 minutes using N₂O₂ while controlled the systemic condition

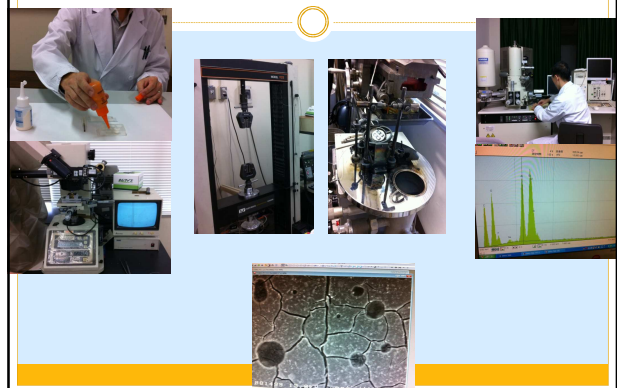


MAXILLOFACIAL SURGERY

- Research Lab Visit, seeing some works of their research Reminalisation from Pulp's stem cell
- Discussion about OMS's works at Hospital
- OMS works together with Anesthesiology department in doing surgery

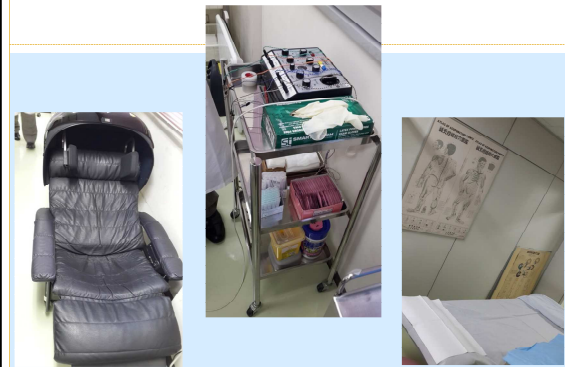


ADVANCED BIOMATERIAL

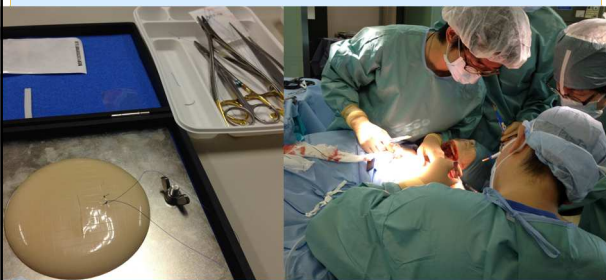


OROFACIAL PAIN MANAGEMENT

- Discussion with Prof. Shimada about Contemporary Orofacial Pain Management
- Visit Orofacial Pain Management Clinic
- Some psychotherapies: Oriental medicine (accupuncture), music therapy, and pain education group therapy



ORAL AND MAXILLOFACIAL SURGERY



PSYCHOSOMATIC DENTISTRY

- Psychosomatic dentistry is a field of dentistry → provides diagnosis & treatment for medically & physically unexplained oral and dental symptoms
- Psychosomatic dentistry department has 8 staffs
- There are 500 patients/year → usually complain about poor condition of their oral region without corresponding abnormal finding
- Recent research discussion → the oral cenesthopathy which correlated with the dopamine levels in the brain lobes



GERODONTOLOGY AND ORAL REHABILITATION



PERIODONTOLOGY

- Clinic & office tour
- Periodontology research presentation



PEDIATRIC DENTISTRY

- Places we visited: Pediatric Clinic, Staff's Office
- In the pediatric clinic, there's a place for children to get DHE
- We saw patients with mental illnesses
- They manage screaming children everyday, sometimes they use physical restraint



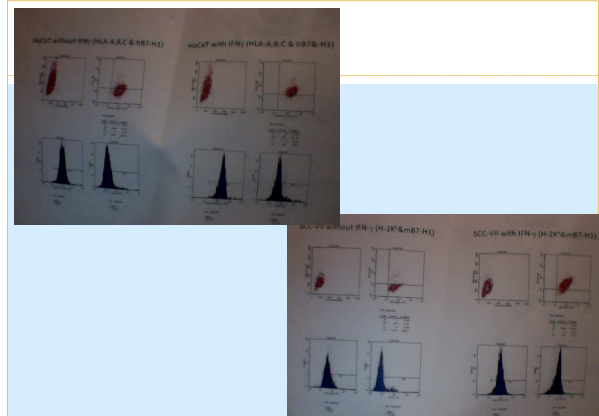
ORAL PATHOLOGY

- Supervised by Dr. Sakamoto and 2 Graduate students (Dr. Masita and Dr. Chi)
- Learning how to see pathological condition of a specimen, diagnose, and do the Immunohistological staining
- Research report presentation from Dr. Masita and Dr. Chi



MOLECULAR IMMUNOLOGY

- Doing the laboratory research to prove the induction between B7-H1(ligands of APC) and IFN gamma.
- Analyze our sample with FACSCalibur
- Discuss with PhD student about their research

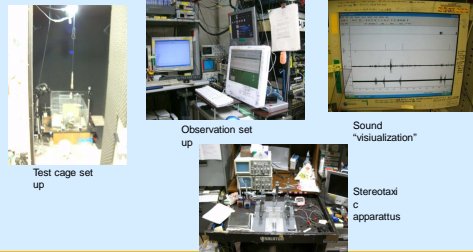


FIXED PROSTHODONTIC



COGNITIVE NEUROBIOLOGY

- Research in mapping the brain function related to preceiving informations



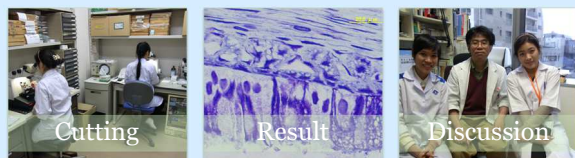
SPORT DENTISTRY

- Fabricating mouthguards and faceguards for athletes
- Research about occlusion, center of gravity, and muscle activity on athletes doing heavy sports



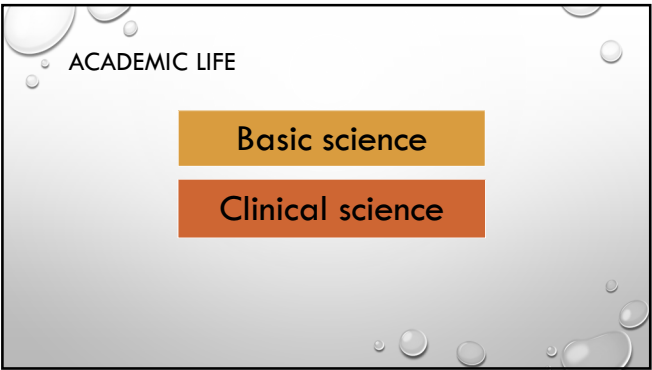
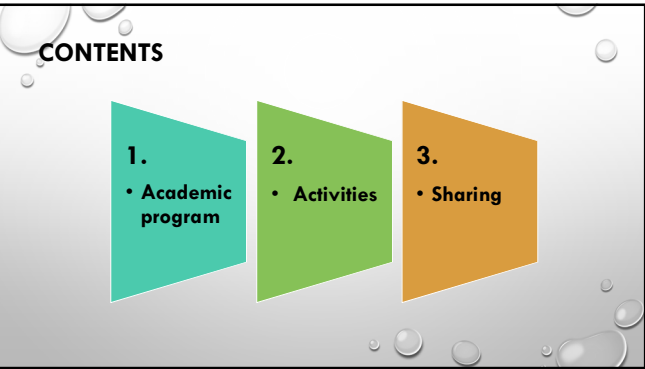
BIOSTRUCTURAL SCIENCE

- Based on the research
 - Mechanisms of biological mineralization
 - Molecular mechanisms of tooth development and evolution
 - Regeneration of dental and periodontal tissues
- There are 4 staffs with 1 post graduate student
- The latest research → fish scale has the bony like structure like a tooth









THANK YOU! 😊

3. Students from University of Medicine and Pharmacy at Ho Chi Minh City



BASIC SCIENCE

-  Oral Pathology
-  Molecular craniofacial embryology
-  Maxillofacial anatomy
-  Cellular physiology chemistry
-  Biostructural science
-  Advanced Biomaterial department





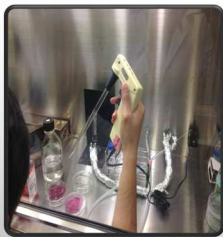
Observe the surgical and biopsy specimen using the microscope



Nude mouse which doesn't have immune system

ORAL PATHOLOGY

MOLECULAR CRANIOFACIAL EMBRYOLOGY



Splitting cancer cells



PCR test



MAXILLOFACIAL ANATOMY



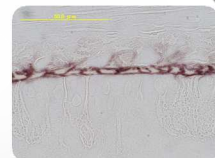
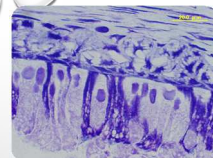
ADVANCED BIOMATERIAL DEPARTMENT



HARDNESS TESTING MACHINE



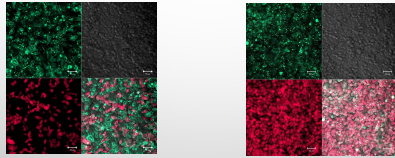
MODERN SCANNING ELECTRON MICROSCOPE (100,000X)



BIOSTRUCTURAL SCIENCE



CELLULAR PHYSIOLOGY CHEMISTRY



Observe Fluorescence-activated cell on microscope

CLINICAL SCIENCE

- ANESTHESIA
- MAXILLOFACIAL SURGERY
- IMPLANTOLOGY
- FIXED PROSTHODONTICS
- MAXILLOFACIAL PROSTHETICS
- PERIODONTOLOGY
- CARIOLOGY
- ORAL AND MAXILLOFACIAL RADIOLOGY
- PSYCHOSOMATICS
- TEMPOROMANDIBULAR JOINT AND ORAL FUNCTION
- DENTISTRY FOR PERSON WITH DISABILITIES
- ORTHODONTICS
- ORAL HEALTH PROMOTION
- PEDIATRIC DENTISTRY

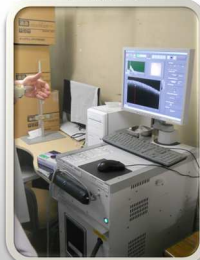


CARIOLOGY AND OPERATIVE DENTISTRY

DENTAL OCT SYSTEM (VERSION 1)



DENTAL OCT SYSTEM (VERSION 2)



CARIOLOGY AND OPERATIVE DENTISTRY

CHEWING GUM TO REMINERALIZE TEETH



FIXED PROSTHODONTICS



Skin prick Test (Allergies)



Agar – Agar final impression

MAXILLOFACIAL PROSTHETICS



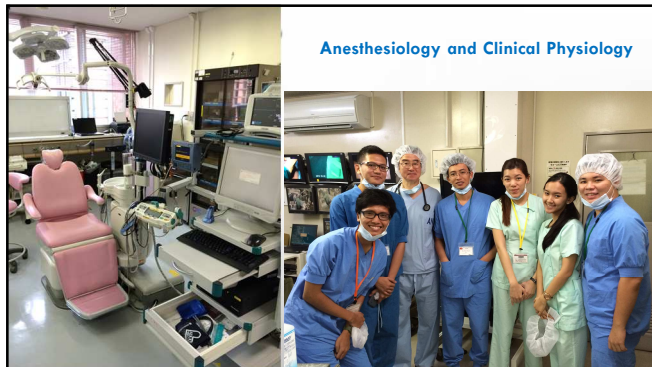
Maxilloectomy prosthetic appliance



Appliances for radiotherapy treatment



Reader machine



ORAL HEALTH PROMOTION

THE BETTER ORAL HEALTH, THE HAPPIER DAILY LIFE!

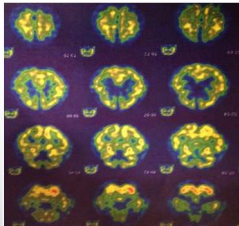



| | pH | Glucose level |
|------------------|-----|---------------|
| Coke | 2.3 | 10.3 |
| Diet coke | 2.7 | 0.2 |
| Apple juice | 3.8 | 11 |
| Grapefruit juice | 3.2 | 9.5 |
| Lemon water | 3.4 | 4.5 |

PSYCHOSOMATICS

SOME TYPICAL SYNDROMES:

- BURNING MOUTH SYNDROME
- ATYPICAL ODONTALGIA
- PHANTOM BITE SYNDROME
- ORAL CENESTHOPATHY



Tc-ECD SPECT images of a patient with oral cenesthopathy



TEMPOROMANDIBULAR JOINT AND ORAL FUNCTION

Tactics for TCH



Using the sticker "teeth apart, tongue raise" over the home and office.

Principle of rehabilitation

Keep the maximal opening for 10 seconds after an every meal and at bathing.

DENTISTRY FOR PERSON WITH DISABILITIES

- got understanding some kinds of disabilities such as: Autism, Learning disability, Schizo, Cretinism
- «We may give more special taking care of than special treatment»

GENERAL DENTISTRY



MODERN AND THROUGHOUT ENVIRONMENT

GENERAL DENTISTRY



SIGNAL COLOR LIGHT:

Indicate the subject
students are practicing
=> good interaction

WIRE BENDING AND DENTAL CARVING CONTEST



EXTRA - ACTIVITES

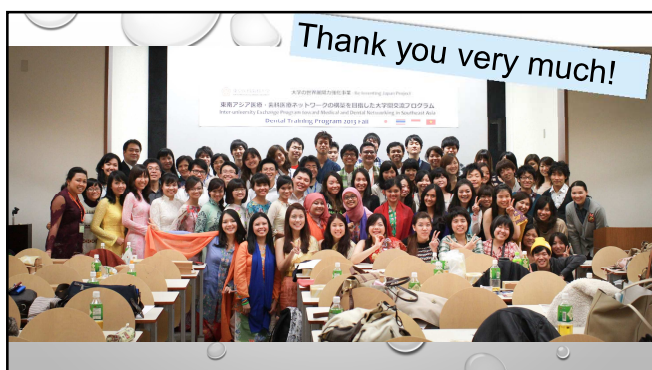
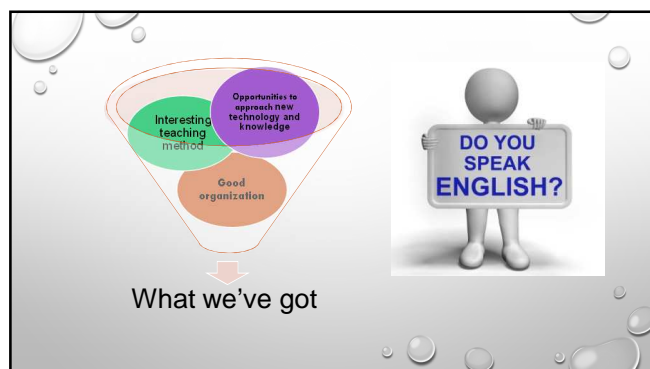
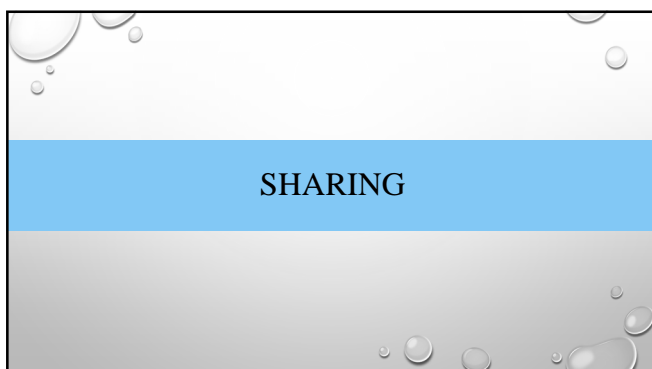
Landscape



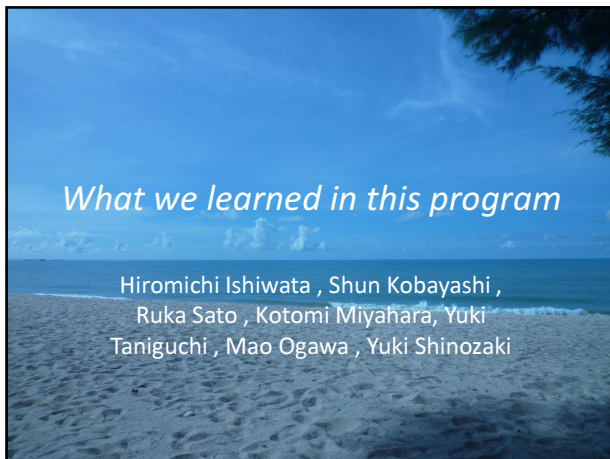
Landscape







4. TMDU Students attended Dental Training Program in Thailand in 2013



Program schedule at CU

- ★(Fri)August 30
 - Orientation
 - University tour
 - Sight seeing(Jim Thompson's House)
- ★Weekend
 - Retreat
- ★(Mon)Sep 2
 - University hospital tour
 - Fuji JDC Dental Clinic
- ★(Tue)Sep 3
 - Visitation of health center and so on
- ★(Wed)Sep 4
 - University Lab tour
 - Special lecture -How to write a scientific paper-

Retreat

Aug 31
Purimas Beach Hotel

Time management

Ice break

Group work

- 6 or 7 persons in 1 group
(4 students of CU and 2 or 3 students of TMDU)
- Discussion for ideal curriculum
- After work, we did the presentation.

Culture Night

From CU students

- Traditional Thai Dance
- Thai Playing

From TMDU students

- Bon Dance
- Japanese tea ceremony



University hospital tour& lab tour



Operative & Periodontology clinic



Radiology



Minor surgery



↑ Training !!



Operative Lab



CD Lab

Visitation

- Duangkae
- BKK Metropolitan Health Center
- Community dentistry excursion (Wat Hua Lampong School)

Duangkae



BKK Metropolitan Health Center



Community dentistry excursion
(Wat Hua Lampong School)



Tour of the faculty at SWU



Cultural Exchange with SWU students



Cultural Exchange with SWU students

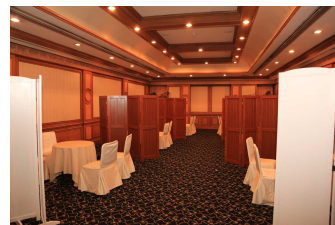


Dental Seminar and Consultation 2013



Consultation

Seminar



Health Education @Rainbow Kindergarden



Puppet show



Tooth brushing guidance

5. TMDU Students attended Dental Training Program in Indonesia in 2013



| Day | AM | PM |
|--------------|--|---------------------------------------|
| Sept.3(Tue) | Arrival | Dinner with Faculty members of UI |
| Sept.4(Wed) | Opening ceremony | Hospital tour |
| Sept.5(Thu) | PBL class | Visiting RSCM |
| Sept.6(Fri) | Lecture from Prof. Kawaguchi | Visiting private clinic |
| Sept.7(Sat) | The 6 th Conference of Asian International Association of Dental Traumatology | Practicing dancing for cultural night |
| Sept.8(Sun) | Shopping | Shopping |
| Sept.9(Mon) | PBL class | Cultural Activity |
| Sept.10(Tue) | Visiting Community Center | Shopping and depart to Japan |
| Sept.11(Wed) | Arrived at Japan | |



Japanese culture in Indonesia



Toilet



Cultural Night



Dental Affairs in both countries





Comparison of Indonesia and Japan

| |  |  |
|-----------------------|---|---|
| Population | | |
| Number of dentists | | |
| Population/Dentist | | |
| Oral hygienist | | |
| Life birth expectancy | | |



Children have many dental caries

|  |  |
|--|--|
| Shortage of dentists ↓ Dentist prioritize people who already have oral disease ↓ Preventive dentistry / check-up... × or Dental health literacy... × | Enough dentists ↕ General treatment... cheap (because of insurance system) ↓ People don't have an incentive to keep their oral health properly ↓ Dental health literacy... × |

Children don't be taken to the dentist regularly or don't be taken care of their oral health

Difference of dental education

| | Indonesia | Japan |
|-----------------|--|---|
| Duration | 5 years | 6 years |
| Course abstract | 1-2 basic study 3 clinical study 4 research 4.5-5 clinical experience | 1 liberal arts 2-3 basic study 4 research 4.5-5 clinical study |
| Learning style | PBL style | |



Education of UI

- 3rd grade students of UI study the dentistry of the PBL.
- PBL(=problem based learning)
They analyze the various case by 7 steps.
- They join the PBL at 8 o'clock to 12 o'clock.
After that, they research the treatment and so on.

Education of TMDU



- 3rd grade student of TMDU study basic medicine. For example anatomy, physiology, biochemistry, pathology.
- We study almost subject by lecture style.
- Many students study by reading textbooks written in Japanese language
- We have many test.

Comparing UI with TMDU

- Students of UI are good English speakers and get used to use professional knowledge in English.
- They think the case deeper and discuss and express their opinion more actively and positively.
- But I think that studying by lecture get many knowledge more correctly than PBL.

Dental care in two different countries

Dental care services

| |  |  |
|-----------------------------|---|---|
| National health care system | ○ (Centralized) | △ (varied) |
| Dental care Standards | Relatively High | Low due to the financial circumstances |
| University Hospital | Well maintained | Poorly Maintained |
| Private clinic | Casual | High quality |
| Treatment by | Dentists/ dental hygienists | Dentist/ unlicensed dentists(technicians) |

Patients' condition

- Poor of *oral health educations* in major population
- Afraid of going to the dental clinic
→ complications
- Unaffordable dental care
↓
- Seeking alternative from technicians rather than qualified dentists
- Ending up have to spend more to fix the damage

Conclusion

- Oral health education is not distributed widely
- Need to increase the organization of Dental care system
- Increase national health insurance, specially to the poor people

- More opportunity of exchange program for student
- To motivate ourselves to be a better dentist in the future



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「国際シンポジウムⅢ」ワーキンググループ

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