

Tokyo Medical and Dental University and Chulalongkorn University  
International Joint Degree Doctor of Philosophy Program in Orthodontics

# **External Assessment Sheet**

Term of the Assessment  
August, 2017 - July, 2018

Evaluator name :

**Dr. Koichi Kato and Dr. Chairat Charoemratrote**

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## Purpose and Background

In 2015, Tokyo Medical and Dental University (hereinafter referred to as the “TMDU”) and Chulalongkorn University (hereinafter referred to as the “CU”) received authorizations from their Ministry of Education to establish a joint degree program (hereinafter referred to as “JDP”).

In 2016, the JDP specializing in orthodontics started, and it has been operated jointly by TMDU and CU. TMDU and CU, through this JDP, aim for training medical professionals with a rich international quality, and enhance the universities’ international profiles, presences and competitiveness.

The JDP focus on fostering professionals who understand the essentials of clinical dentistry and service, and who show promise as talented researchers and future leaders in ASEAN countries.

In the Program, which is different from the usual doctoral program, we offer a curriculum that will enable students to develop the high-quality research capabilities needed to qualify for an academic degree and the clinical skills necessary to become effective dental clinicians.

The Program will provide students high-quality supervision for research training, thesis development and writing. Students will be awarded one degree under the joint names of TMDU and CU after successful completion.

As a Quality assurance system of the program, we set three steps; 1. Self-assessment, 2. External assessment, 3. Faculty Development. Concerning the external assessment, we must undergo assessment by external experts to evaluate the status of program implementation and achievement and make improvements. To this end, we have set guidelines as below.

- University’s Quality Assurance System (hereinafter referred to as “System”) shall be established for the purpose of carrying out assessments of the JDP.
- The system shall assess the status of program implementation and achievement and suggest improvements.
- The system shall consist of persons with relevant knowledge, outsourcing veterans, professors from other universities who hold doctoral degrees in relevant fields and have experiences of granting doctoral degrees.

Dr. Koichi Kato, Dean, School of Dentistry of Hiroshima University and Dr. Chairat Charoemratrote, Dean, Faculty of Dentistry of Prince of Songkla University undertake the external assessors. This is a report of the assessment results.

## External Assessment Method

Two external assessors assessed the status of project implementation/achievement and made comments on project achievements that are organized into eight assessment categories.

Assessment criteria is the same as the self-assessment report for the four categories, as shown below.

IV	Achieved more than was planned.
III	Plan was achieved.
II	Plan was not achieved sufficiently.
I	Plan was not achieved.

## 1. Mechanism for implementation of JD Program

### Assessment Category

#### 1-1. Joint implementation structure

(Self-assessment report page 2)

<b>Criteria</b>	<ul style="list-style-type: none"> <li>➤ Appropriate committees for discussing important matters of education activities and examining curricula and educational methods are organized and active. (1-1-1)</li> <li>➤ Appropriate communication method is established. (1-1-2)</li> </ul>	
<b>Self-assessment</b>	Rating	<ul style="list-style-type: none"> <li>▪ The joint implementation structure has been very well established until now.</li> <li>▪ Since last year, renovation of the implementation structure turned out to be well designed. Usual communications between the two universities have been well carried out by the regular teleconference and the exchange of the emails at appropriate timings.</li> </ul>
	III	
<b>External-assessment</b>	Rating (Please circle)	(IV) · III · II · I
	Comments	<p>&lt;Dr. Koichi Kato&gt; The joint implementation structure and the communication methods have been well established. The rules of the University Quality Assurance System should be agreed promptly by TMDU and CU.</p> <p>&lt;Dr. Chairat Charoemratrote&gt; The merging of some committees, since 2016, led to a better program managing. The benefits of the merging are reducing the time, and ease for managing among many committees. Besides teleconferences and emails, the program was assigned a visiting professor at TMDU as a program coordinator which truly made the communication between 2 universities much more effective.</p>

**Assessment Category**

**1-2. Policies**

(Self-assessment report page 7)

<b>Criteria</b>	<ul style="list-style-type: none"> <li>➤ Diploma Policy is determined based on the educational objectives and published, and completion of the program is approved in a fair and strict manner. (1-2-1)</li> <li>➤ Curriculum Policy is clearly indicated and published based on the educational objectives. (1-2-2)</li> <li>➤ Academic curricula are organized and implemented based on Curriculum Policy. (1-2-2)</li> <li>➤ Clear Admissions Policy is established and entrance examination is conducted in accordance with the policy. (1-2-3)</li> </ul>	
<b>Self-assessment</b>	Rating	<ul style="list-style-type: none"> <li>▪ The current policies, both diploma and curriculum, are performed very well.</li> <li>▪ The Diploma Policy, Curriculum Policy and Admissions Policy have been well applied and conducted.</li> </ul>
	III	
<b>External review</b>	Rating (Please circle)	IV · <b>III</b> · II · I
	Comments	<p>&lt;Dr. Koichi Kato&gt; Entrance examination subjects are consistent with the Admission Policy. Entrance examinations have been conducted as planned.</p> <p>&lt;Dr. Chairat Charoemratrote&gt; All policies are very well introduced, applied and conducted based on their indicators.</p>



		<p>the improvement.</p> <p>External-assessment is conducted according to the indications.</p> <p>Feedback of assessment results were very well performed according to the feedbacks.</p> <p>All information was distributed and publicized in not only Japanese and English but also in Thai.</p>
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## 2. Operation of JD Program

### Assessment Category

2-1. Progress of JD Program operation  
(Self-assessment report page 17)

Criteria	➤ Program is operated properly as planned.	
<b>Self-assessment</b>	Rating	<ul style="list-style-type: none"> <li>▪ Written examination, wire-bending examination and essay examination were conducted at CU. Subsequent joint interview was conducted through video conferencing system. CU and TMDU jointly conducted the entrance examination 2018, and 3 students were matriculated to JDP.</li> <li>▪ The guidance of the research topics during TMDU professors' visit to CU in August 2018 was very helpful to the students.</li> <li>▪ For the students matriculated in 2017, the Qualifying Examination was done in the middle of the 2nd semester of the 1st year. The students had their own research topics from the Qualifying Examination so they could start their research at TMDU.</li> <li>▪ For the students matriculated in 2016, they finished the research part in TMDU and continued their research work in CU. The dissertation proposal examination was done in November 2018. They started their clinical work by accepting new orthodontic patients, doing the diagnostic and treatment planning work to prepare the treatment of the patients in 2nd semester.</li> </ul>
	III	
<b>External review</b>	Rating (Please circle)	IV · <span style="border: 1px solid black; border-radius: 50%; padding: 2px;">III</span> · II · I
	Comments	<p>&lt;Dr. Koichi Kato&gt; The JD program has been properly operated as planned for students matriculated in 2016, 2017, and 2018. It is highly evaluated that all 3 students successfully received MEXT scholarship.</p> <p>&lt;Dr. Chairat Charoemratrote&gt;</p>

		<p>The entrance examinations and interviews were very well planned and conducted for all applicants to get 3 new students to enroll the program.</p> <p>The research course was very well organized and arranged for both the advisors and students so that the topics, the examinations and the experiments could be achieved according to the schedules.</p>
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**Assessment Category**

**2-2. Fulfillment of student capacity  
(Self-assessment report page 20)**

<b>Criteria</b>	<ul style="list-style-type: none"> <li>➤ Admissions Policy, Curriculum Policy and Diploma Policy are properly publicized and disseminated.</li> <li>➤ Number of enrollments versus admissions quota is appropriate.</li> </ul>	
<b>Self-assessment</b>	Rating	<ul style="list-style-type: none"> <li>▪ The ratios of number of admission/number of applicants were 3/9 in 2016, 3/6 in 2017, and 3/7 in 2018. Student capacity fulfilled in 2016, 2017 and 2018.</li> <li>▪ Information on the curriculum is easily assessed on the first page of CU's website. Applicants can find more details on the graduate school office website when they start the application process.</li> </ul>
	III	
<b>External review</b>	Rating (Please circle)	IV · <b>III</b> · II · I
	Comments	<p>&lt;Dr. Koichi Kato&gt; I appreciate that the number of applicants was continuously high compared to the admission quota. Although it is not clear from the self-assessment sheet whether any Japanese students applied to the JD program, I think that additional efforts are required to encourage application by Japanese students.</p> <p>&lt;Dr. Chairat Charoemratrote&gt; All information regarding the admissions policy, curriculum policy and diploma policy were very well publicized and disseminated. The number of admissions compared to applicants were appropriate.</p>

Assessment Category

2-3. Syllabuses

(Self-assessment report page 22)

<b>Criteria</b>	➤ Appropriate syllabuses have been prepared and are in operation.	
<b>Self-assessment</b>	Rating	The syllabuses for JDP have been properly prepared in English and Thai and have been on CU website.
	III	
<b>External review</b>	Rating (Please circle)	IV · (III) · II · I
	Comments	<Dr. Koichi Kato> Syllabuses given in English and Thai have been properly posted on the CU website. Self-assessment on the contents of syllabuses will serve to further improve the JD program.  <Dr. Chairat Charoemratrote> The syllabuses were appropriate in both Japanese and English and effectively in operation for the students and faculties.

**Assessment Category**

2-4. Evaluation method and criteria  
(Self-assessment report page 23)

<b>Criteria</b>	➤ Evaluation methods and criteria (grading, recognition of credits, and completion of the course) are established for each subject. They are being conducted properly in a fair manner, and have been disclosed to students.	
<b>Self-assessment</b>	Rating	The grading system was well established. The grade conversion is now being used effectively.
	III	
<b>External review</b>	Rating (Please circle)	IV · III · II · I
	Comments	<p>&lt;Dr. Koichi Kato&gt; The grading systems, including a new grading table for dissertation, were well established and used effectively.</p> <p>&lt;Dr. Chairat Charoemratrote&gt; The grading system was very well formulated and effectively used. A comparison tables were very well constructed for more practically application.</p>

### 3. Student Support

#### Assessment Category

#### 3-1. Student support system

(Self-assessment report page 26)

<b>Criteria</b>	<ul style="list-style-type: none"> <li>➤ Appropriate housing support for students is ensured. (3-1-1)</li> <li>➤ Educational environment that provides education according to instruction goals is established. (3-1-2)</li> <li>➤ Adequate financial support for students is ensured. (3-1-3)</li> </ul>			
<b>Self-assessment</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; text-align: center;">Rating</td> <td rowspan="2" style="padding: 5px;"> <p>Besides the scholarship mentioned above, there is a scholarship called “100th Anniversary Chulalongkorn University Fund for Doctoral Scholarship” for the Ph.D. students. All 2nd and 3rd year students have got the scholarship. Therefore the students can be somehow alleviated from their financial burden. Three 1st-year students also have a plan to apply for this scholarship. In Japan, few scholarships are available to JDP students because most of them have to be applied for during a particular period.</p> </td> </tr> <tr> <td style="text-align: center; vertical-align: middle;">IV</td> </tr> </table>	Rating	<p>Besides the scholarship mentioned above, there is a scholarship called “100th Anniversary Chulalongkorn University Fund for Doctoral Scholarship” for the Ph.D. students. All 2nd and 3rd year students have got the scholarship. Therefore the students can be somehow alleviated from their financial burden. Three 1st-year students also have a plan to apply for this scholarship. In Japan, few scholarships are available to JDP students because most of them have to be applied for during a particular period.</p>	IV
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## Conclusion

<b>Conclusion</b>	<p>Rating (Please circle)</p>	<p>IV · III · II · I</p>
	<p>Comments</p>	<p>&lt;Dr. Koichi Kato&gt;            During 3-year implementation of the JD program, TMDU and CU have achieved a great success in various aspects, most of which are much more than those expected. This is the first successful case of a JD program in dentistry in Japan, and provides an excellent role model for other institutions.</p> <p>The three students matriculated in 2016 are approaching to the final stage of dissertation. Therefore, the methods of guidance on publication and dissertation defense will be a major focus in the coming years.</p> <p>The recruitment of Japanese students seems to be another important challenge in the JD program.</p> <p>It would be fine if the contents of syllabuses were disclosed to the external reviewers for more detailed assessment of the program.</p> <p>&lt;Dr. Chairat Charoemratrote&gt;            There are 3 categories to assess. The first one, mechanism for implementation of JD program, the summary rating is IV. The second one, operation of JD program, the summary rating is III to IV. The last one, student support, the rating is IV. The ratings are IV, III to IV and IV, so that the final rating would be IV. I found the program had many innovations in term of managements and I appreciate all the efforts that the program truly tried to support the students.</p>