2017

Kyushu Dental University
Graduate School of Dentistry
(PhD and MA Program)

Admission Guidelines for Applicants
Department of Dental Medicine and Oral Health Sciences

Doctoral and Master's Programs
(including those not currently enrolled in university)

Kyushu Dental University
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1. Preface

Marking our 100th anniversary in 2014, Kyushu Dental University renews its dedication to expanding our holistic dental and medical education activities, as we enter the next 100 years of educating practitioners that can provide patient-centered dental care.

The Kyushu Dental University Charter has been established as the first step towards creating a university that fulfills this vision. All students, teaching staff, and personnel at Kyushu Dental University are committed to, and aspire to, fulfill the mission of the KDU.

2. Mission

The mission of Kyushu Dental University is to train dental care practitioners who possess a high level of professionalism and expertise, fulfill key roles in community health care, and promote research that supports dental medicine. This mission explains the kind of professional training, social contributions, and research that we strive to achieve.

3. Education and Research Goals

Kyushu Dental University engages in the following types of educational and research activities to fulfill our mission.

1) Training for dental care practitioners that are highly professional, broadly educated, and possess a high level of expertise and skills
2) Training for dental care practitioners that can correctly interpret scientific information and undertake dental care activities based on scientific evidence
3) Training for dental care practitioners that can provide dental care from the perspective of holistic health and adapt to changes in society, such as demographic changes
4) Training for dental care practitioners that can coordinate with people in other professions and support the local and regional communities through dental care
5) Training for dental care practitioners who can strengthen international cooperation and exchange and undertake dental care activities from a global perspective
6) To develop and conduct international research that can contribute to the development of the local and regional communities in cooperation with other disciplines
Admission Policies – Qualities KDU Seeks in Applicants
1. Those who have a strong interest in life sciences research, particularly in the area of dentistry, and who have the desire to actively undertake their own research
2. Those clinicians, educators, and researchers who already possess a high level of specialized knowledge and skills and continue to have strong aspirations in research
3. Those who try to promote research in cooperation with the local community
4. Those with international perspectives, who want to undertake world-leading research
5. Those who continue to work regularly in society, but still aspire and possess the ability to engage in research in the field of dentistry
6. Those with master's degrees who wish to pursue more advanced research in dentistry

Curriculum Policies – Quality of Education KDU Strives to Offer
1. We offer enriched, well-designed lectures and lab sessions on various topics in relevant fields to enable students to acquire high levels of specialization.
2. We offer enriched, well-designed lectures and lab sessions that reach beyond the frameworks of particular specialties to enable students to acquire knowledge and skills in comprehensive life sciences and clinical fields.
3. We offer enriched, well-designed lectures and lab sessions concerning the basics of life sciences in general and the methodology required to conduct research.
4. We offer enriched, well-designed lectures and lab sessions in connection with medical engineering for the purpose of applications in both research and clinical practice in dentistry.
5. We offer enriched, well-designed lectures and lab sessions conducted in English.
6. We offer enriched, well-designed lectures and lab sessions that nurture a student’s ability to write academic papers and give presentations in foreign languages, in order to improve his or her capacity to function in global society.
7. We offer enriched, well-designed lectures and lab sessions by top-level research specialists in many areas, not only by our own faculty but also by guest lecturers.
8. We offer enriched, practical training to prepare students for short-term research opportunities at overseas universities.

Graduation Policies – Qualities KDU Aims to Develop in Our Students
1. Graduates who have mastered a broad range of knowledge in the life sciences and are equipped with the comprehensive abilities needed to carry out their own self-directed research.
2. Graduates who, as highly skilled dental practitioners with critical thinking skills, have developed the abilities needed to contribute in a clinical setting to the development of the most advanced treatments
3. Graduates who have obtained through their education in dentistry multi-faceted, yet specialized knowledge that will enable them to become leaders in the world of dentistry
4. Graduates who have gained the ability to contribute to the development of the local community with research based on interdisciplinary academic knowledge and through cooperation with the local community
5. Graduates who actively communicate and exchange information with other researchers around the world, and who can share their research results with the international community
6. Graduates with abilities allowing them to devote themselves throughout their professional lives to creative, high-level research in dentistry and oral health care
7. Graduates with the ability to contribute as academic researchers in Japan and overseas
Doctoral Course
(PhD Program)

Department of Dental Medicine
1. Area of Specialization and Admission Limits

<table>
<thead>
<tr>
<th>Department of Specialization</th>
<th>Research Area</th>
<th>Admission Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dental Medicine</td>
<td>Clinical Education Development and Research</td>
<td>Up to 25 applicants will be accepted</td>
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<tr>
<td></td>
<td>Comprehensive Dental Research</td>
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<td></td>
<td>Endodontics and Restorative Dentistry</td>
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<td>Periodontology</td>
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<td>Occlusions and Maxillofacial Reconstruction</td>
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<td>Oral Reconstruction and Rehabilitation</td>
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<td>Biomaterials</td>
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<td></td>
<td>Anatomy</td>
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<td>Physiology</td>
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<td></td>
<td>Molecular Signaling and Biochemistry</td>
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<td></td>
<td>Oral Pathology</td>
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<td></td>
<td>Infections and Molecular Biology</td>
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<td></td>
<td>Applied Dental Pharmacology</td>
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<td></td>
<td>Clinical Epidemiology</td>
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<td></td>
<td>Community Oral Health Development</td>
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<td></td>
<td>Comprehensive Internal Medicine</td>
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<td>Oral Functional Development</td>
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<td>Orofacial Functions and Orthodontics</td>
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<td></td>
<td>Oral and Maxillofacial Radiology</td>
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<td></td>
<td>Maxillofacial Surgery</td>
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<td></td>
<td>Oral Medicine</td>
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<td></td>
<td>Dental Anesthesiology</td>
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<td></td>
<td>Special Needs and Geriatric Dentistry</td>
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<td></td>
<td>Surgery</td>
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<td></td>
<td>Oral Health Sciences</td>
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<td></td>
<td>Social Dentistry</td>
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</tbody>
</table>

Notes
1. As a result of the restructuring of the university’s graduate school, the names of research fields may change.

2. Qualified Applicants
(1) Graduates from a university course in dentistry, medicine, pharmacology, or six-year veterinary science program
(2) Applicants whose education has been recognized with a bachelor of science degree in medicine, dentistry,
pharmacology, or veterinary science from the National Institution for Academic Degrees and Quality Enhancement of Higher Education, in accordance with Paragraph 4, Article 104 of the School Education Act

(3) Applicants educated overseas who have completed 18 years of formal education, which includes completion of a course in dentistry, medicine, pharmacology, or veterinary science

(4) Applicants who, while residing in Japan, have completed 18 years of education through correspondence courses offered by overseas educational institutions and completed a program in medicine, dentistry, pharmacology, or veterinary science

(5) Applicants who, while residing in Japan, have completed a foreign university program (limited to programs for which graduates are deemed to have completed 18 years of education in that country, and culminating in the completion of a program in medicine, dentistry, pharmacology, or veterinary science) at an institution accredited in that country and authorized by the Minister of Education, Culture, Sports, Science and Technology

(6) Applicants designated by the Minister of Education, Culture, Sports, Science and Technology

(7) Applicants with a master's degree

(8) Applicants with a degree equivalent to a master's degree from an overseas institution

(9) Applicants who have received a degree equivalent to a master's degree from an overseas educational institution, which was granted on completion of correspondence education while in Japan

(10) Applicants who have, in accordance with Paragraph 2, Article 102 of the School Education Act, previously entered a graduate school (limited to a program of medicine, dentistry, pharmacology, or veterinary science) and who have been determined by Kyushu Dental University Graduate School to have the necessary qualifications for study at this graduate school

(11) Applicants at least 24 years of age who, in the judgment of this graduate school based on a separate assessment of qualifications, are determined to have academic abilities at or above the level of a master's degree holder, a graduate from a university program in medicine or dentistry, or a graduate from a six-year program in pharmacology or veterinary science

(12) Applicants who plan to meet one of the qualifications described above by March 31, 2017

3. Verification of Qualifications for Submission

Qualifications of those who wish to qualify for application under categories (6)*, (10), or (11) above will be verified in advance. During the submission period (September 26 to October 3, 2016), these applicants should submit the following documents to the address listed in Sub-section (2) of Section 5 “Submission Procedures.” After receiving verification of the qualification for application, these applicants should apply to take the second examination.

*Qualification category (6) requires verification that applicants—specifically, those who have graduated from a university (in a program other than medicine, dentistry, or pharmacology mainly intended to foster practical clinical abilities, or other than a veterinary science program) or who have completed a 16-year program of education abroad followed by two or more years of research at a university, research institution, or similar environment—can be determined, on the basis of their research results or other achievements in a graduate school or research
specialty, to have academic abilities at least equivalent to those of graduates of university programs in medicine, dentistry, or pharmacology mainly intended to foster practical clinical abilities, or at least equivalent to those of graduates from a veterinary science program.

Furthermore, applicants who have previously been determined to meet the submission qualifications may bypass the formal procedures for verification of application status by submitting the examination identification card or the official notice of qualification for application.

(1) Materials for Submission

1) Those in Category (6)* or (11) of "Qualified Applicants"
   (A) Application for verification of submission status (form provided by Kyushu Dental University)
   (B) Diploma
   (C) Transcript of undergraduate grades
   (D) Evidence of research experience (including research period, nature of research, and name of the research institution)
   (E) Record of publications (including co-authored works and papers; form provided by Kyushu Dental University)
   (F) Resume (form provided by Kyushu Dental University)
   (G) Academic publications (with abstracts)
      • Copies of recent academic journal publications, whether separate publications at or above the level of master's theses or publications in abstracts of academic meetings. Evidence of fulfilling a significant role in the research should be included. Publications should generally be in Japanese or English.
   (H) Overview of research to date (form provided by Kyushu Dental University)
   (I) Research plans in your field of interest (form provided by Kyushu Dental University)
   (J) Other reference materials (such as licenses or other qualifications)

2) Those in Category (10) of "Qualified Applicants"
   (A) Application for verification of submission status (form provided by Kyushu Dental University)
   (B) Statement of purpose in applying (including research areas of interest, research plans, and future goals).
      No specific format, but approximately one A4 page in length.
   (C) Certification of enrollment at a university graduate school
   (D) Transcript of undergraduate and graduate grades

(2) Official notice of qualification for application will be mailed to applicants by November 7, 2016.

(3) For questions about applicant qualifications, contact the University at the address listed in Sub-section (2) of Section 5 “Submission Procedures.”
4. Application Periods, Examination Dates, and Other Schedules

<table>
<thead>
<tr>
<th>Schedule</th>
<th>First Application Period</th>
<th>Second Application Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application Period</td>
<td>Monday, August 1, 2016 to Monday, August 15, 2016</td>
<td>Monday, November 28, 2016 to Monday, December 12, 2016</td>
</tr>
<tr>
<td>Examination Date</td>
<td>Friday, September 2, 2016</td>
<td>Thursday, January 5, 2017</td>
</tr>
<tr>
<td>Announcement of Examination Results</td>
<td>Friday, September 23, 2016</td>
<td>Friday, January 27, 2017</td>
</tr>
<tr>
<td>Period for Enrollment Procedures</td>
<td>Friday, October 7, 2016 to Friday, October 14, 2016</td>
<td>Friday, February 10, 2017 to Friday, February 17, 2017</td>
</tr>
</tbody>
</table>

5. Submission Procedures

(1) Methods of Submission

In person: Received from 9:00 AM to 5:00 PM.
Closed on weekends and holidays.

By mail: Must arrive by registered express mail during the indicated application period.
“Application Materials Enclosed (Graduate School Doctoral Program)” should be written in red on the submission envelope.

(2) Contact Information for Submission Procedures.
Kyushu Dental University
Secretariat, Department of Academic Affairs
2-6-1 Manazuru, Kokurakita, Kitakyushu, Fukuoka 803-8580 JAPAN
Telephone: +81 93 582-1131 ext. 7243
Fax: +81 93 582-6000
Email: kyoumu@kyu-dent.ac.jp

(3) Materials to Be Submitted
1) Application form: Completed application form provided by Kyushu Dental University
2) Official transcript of grades: Prepared and submitted in a sealed envelope by the president or dean of the university from which the applicant graduated
3) Photographs (2 copies): Attached to examination identification card. Photo of the applicant’s head and upperbody, front-facing, bareheaded, 4×3 cm (H×W), taken within three months.
4) Certificate of graduation or expected graduation: Prepared by the president or dean
5) Receipt of payment of ¥30,000 for application fee
6) Health certificate: Have a physician fill in the form provided by the University. (Those who received a physical in fiscal 2016 (April 1, 2016 to March 31, 2017) can use a copy of the exam results in place of the health certificate.)

7) Applicants not currently enrolled at a university should also submit the following:
   (A) Certification of employment or expected employment
   (B) Statement of purpose in applying (including research areas of interest, research plans, and future goals).
   No specific format, but approximately one A4 page in length.

8) Applicants who have previously been determined to meet the submission qualifications and wish to bypass the formal procedures for verification of application status should submit the examination identification card or the official notice of qualification for application.

9) Identification: a copy of identification and photo page(s) from passport

10) A letter of Recommendation from the president of the applicant’s present university or the university from which the applicant graduated

11) Certification of passing the state or national dentists’ in the applicant’s home country.

12) Documentation of financial support for the living expenses, etc. for 2 years of planned study.

4) Forwarding the Examination Identification Card
   After the application materials have been received, an examination identification card will be sent to the applicant. If you have not received the examination identification card by one week before the examination, contact the Educational Affairs Section of the Kyushu Dental University Secretariat at this telephone number: +81 93 582-1131 ext. 7243.

5) Point of Caution
   Applicants should indicate the name of the desired research field on the application form and the examination identification card.

6. Special Note for Applicants with Impairments
   Special considerations may be required both at the time of the entrance examination and during attendance at the university. Physically impaired applicants (as defined in Item 3, Article 22 of the Ministerial Ordinance of the School Education Act) should submit the following additional application form and consult with the Educational Affairs Section before applying.

   • An application form (A4, no predetermined format) with the following information:
     1) Applicant's name, address, telephone number, etc.
     2) Name of the university or educational institution from which the applicant graduated
     3) Statement of the type and degree of the applicant's physical impairment (if currently under treatment, attach a physician's health certificate)
     4) Indication of any desired special considerations when taking the entrance examination or attending university classes
     5) Statement of special considerations taken by the university or educational institution from which the applicant graduated
     6) Statement of relevant information in the applicant’s daily life
7. Dates and Locations of Entrance Examinations

<table>
<thead>
<tr>
<th>Date</th>
<th>Examination Content</th>
<th>Time</th>
<th>Site</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Examination Date</td>
<td>Written exam on the applicant’s research field</td>
<td>9:40 AM–10:40 AM</td>
<td>Kyushu Dental University</td>
</tr>
<tr>
<td>September 2 (Fri), 2016</td>
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<tr>
<td>Second Examination Date</td>
<td>English</td>
<td>11:00 AM–12:00 PM</td>
<td></td>
</tr>
<tr>
<td>January 5 (Thu), 2017</td>
<td>Interview</td>
<td>from 1 PM</td>
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</tbody>
</table>

For the English examination
  Dictionaries may be used, but not electronic dictionaries
For the written examination in the applicant’s research field
  Approximately 80% of the questions are on research or clinical knowledge in the applicant's field of interest and 20% on matters common to all research fields (on basic knowledge of medical safety and research ethics).

8. Announcement of Examination Results

Examination results are posted at the University and mailed to the applicant. Note that the University does not accept inquiries by telephone or other means about the status of examination results.

9. Enrollment Procedures

Those applicants who have received notification that he/she has been accepted into the graduate school must complete the required procedures, such as submitting the relevant documents and paying the entrance fees, before the specified deadlines. Details about these matters will be sent separately to successful applicants.

Reference

(1) Entrance fee: ¥520,000
(2) Tuition fee (annual): ¥535,800 (payable in two installments in April and October)

Items (1) and (2) above are provided in the fiscal 2016 fee-related regulations of Kyushu Dental University. Details on the amounts due for fiscal 2017 and payment methods will be included in admissions information distributed by the University. In the event that tuition fees change during the period of study, applicants will be responsible for payment of updated fees for subsequent payments. Under no circumstances will payment for entrance fees or other be refunded.

10. Scholarships

(1) Japan Student Services Organization (JASSO); formerly the Japan Scholarship Foundation
(2) The Nagamatsu Scholarship Foundation
(3) Others
11. Cautionary Notes

(1) Identify your desired field of research on both the application form and the examination identification card.

(2) Under no circumstances can submitted application materials be returned or payment for application fees refunded.

(3) Personal information obtained during the application process is used for the purposes of applicant selection, notification of examination results, and graduate school admission procedures. In addition, after applicants are accepted into the graduate school, this information is used for matters related to school affairs (such as registration of students), for student support (such as health management, reduction or remission of tuition, scholarship applications, etc.) and for administrative work in collecting tuition and conducting research and analysis (to improve entrance exams and gather data for analysis on applicant trends). Personal information is not used for any other purpose or provided to third parties without the permission of the applicant.

12. Professors and Primary Research Topics

<table>
<thead>
<tr>
<th>Research Field</th>
<th>Professor</th>
<th>Primary Research Topics</th>
</tr>
</thead>
</table>
| Clinical Education Development and Research | Prof. Shuji Awano | ・Study on education system of clinical clerkship  
・Study on assessment system of clinical ability for students in clinical dental education  
・Study on education system to acquire clinical skills for performance of primary care in dentistry  
・Study on medical risk management in clinical clerkship  
・Study on drug discovery for prevention and treatment of periodontal diseases  
・Study on relationships between oral and systemic health  
・Psychological study of patients  
・Psychological study of dental students |
| Comprehensive Dental Research        | Prof. Tetsuro Konoo | ・Research in the performance of medical treatment  
・Research in patient behavior and the diagnosis/treatment system  
・Research concerning communication in medical treatment  
・Professionalism studies  
・Human subject and physical simulation studies  
・Dental/medical education research  
・Comprehensive research in diagnosis and treatment |
| Endodontics and Restorative Dentistry | Prof. Chiaki Kitamura | ・Pathological and molecular biology of tooth, dental pulp, and periapical tissue diseases  
・Regenerative therapy of dental pulp and periapical tissue  
・New devices for diagnosis and treatment of tooth, dental pulp, and periapical tissue  
・Clinical research of tooth, dental pulp, and periapical tissue diseases  
・Clinical research of persistent tooth pain |
<table>
<thead>
<tr>
<th>Field</th>
<th>Professor</th>
<th>Research Focus</th>
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</thead>
</table>
| **Periodontology**                   | Prof. Keisuke Nakashima| • Evaluation of patient response to initial periodontal therapy  
• Mechanisms of periodontal pocket formation  
• Effects of occlusal trauma on periodontal tissue destruction  
• Systemic effects of periodontal disease  
• Research and development of diagnostic devices for periodontal disease |
| **Occlusions and Maxillofacial**      | Prof. Shin-ichi Masumi | • Investigation of jaw position in relation to obstructive sleep apnea syndrome  
• Clinical evaluation of dental magnetic attachment  
• Splint therapy for temporomandibular disorders and effects on brain function  
• Effects of habitual mastication on mandibular movement  
• Clinical research concerning retention and stabilization of complete dentures |
| **Reconstruction**                    | Prof. Ryuji Hosokawa   | • Research on treatment with immediate oral implants  
• Research on xerostomia and physiological functioning of salivary glands  
• Research on implant treatment risk assessment  
• Research on diagnosis and treatment of parafunction  
• Oral health-related quality of life assessment |
| **Oral Reconstruction and Rehabilitation** | Prof. Hiroshi Shimizu  | • Investigation and development of dental adhesion  
• Applications of electrolyzed water in dentistry  
• Invention of new composite materials  
• Applications of photocatalyst in dentistry |
| **Biomaterials**                      | Prof. Yuji Seta        | • Molecular structure of tooth generation  
• Elucidation of emergence mechanisms of cleft lip and cleft palate  
• Signal transduction in mammalian taste buds  
• Molecular biology of taste bud development and taste receptor structures  
• Role of ATP and contribution of ATP receptor expression in oral sensation (taste, pain, etc.)  
• Cellular biological and ultrastructural studies of hard tissue and oral mucosa |
| **Anatomy**                           | Prof. Kou Matsuo       | • Molecular mechanisms of bone resorption and bone formation  
• Molecular mechanisms of NF-κB and its functioning  
• Mechanisms of bone invasion in oral cancers |
| **Physiology**                        |                        | Temporarily undecided, while a new professor in this field is being selected |
| **Molecular Signaling and Biochemistry** | Prof. Eijiro Jimi     | • Molecular mechanisms of bone resorption and bone formation  
• Molecular mechanisms of NF-κB and its functioning  
• Mechanisms of bone invasion in oral cancers |
| **Oral Pathology**                    | Prof. Kou Matsuo       | • Clinical pathology research aimed at improving diagnostic precision of precancerous lesions  
• Functional analysis of β-thymosins  
• Molecular and histopathological analysis of oral diseases |
<table>
<thead>
<tr>
<th>Subject</th>
<th>Professor</th>
<th>Research Areas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infections and Molecular Biology</td>
<td>Prof. Tatsuji Nishihara</td>
<td>・Host-parasite relationship on the induction of infectious diseases&lt;br&gt;・Mechanisms of inflammatory bone resorption&lt;br&gt;・Role of macrophage in the oral infectious diseases&lt;br&gt;・Development of new diagnostic method on the periodontal diseases</td>
</tr>
<tr>
<td>Applied Pharmacology</td>
<td>Prof. Hiroshi Takeuchi</td>
<td>・Drug development targeting intracellular transport in membrane molecules&lt;br&gt;・Research into regulatory mechanisms of metabolic and multi-organ networks</td>
</tr>
<tr>
<td>Clinical Epidemiology</td>
<td>Prof. Naoki Kakudate</td>
<td>・Clinical epidemiological study and dental practice-based research&lt;br&gt;・International comparative research on evaluation of diagnosis, treatment effectiveness, and prognosis&lt;br&gt;・Research on evidence-practice gap</td>
</tr>
<tr>
<td>Community Oral Health Development</td>
<td>Prof. Toshihiro Ansai</td>
<td>・Epidemiological study concerning oral and systemic health condition of the elderly.&lt;br&gt;・Bacteriological and epidemiological study on aggressive periodontitis in the Moroccan population.&lt;br&gt;・Diagnosis and prediction of orodigestive cancer using breath testing.</td>
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<tr>
<td>Comprehensive Internal Medicine</td>
<td>—</td>
<td>Temporarily undecided, while a new professor in this field is being selected</td>
</tr>
<tr>
<td>Oral Functional Development</td>
<td>Prof. Kenshi Maki</td>
<td>・Research concerning jawbone growth&lt;br&gt;・Chewing function in infants&lt;br&gt;・Research on cartilage and tooth calcification&lt;br&gt;・Research concerning dental arch expansion</td>
</tr>
<tr>
<td>Orofacial Functions and Orthodontics</td>
<td>Prof. Tatsuo Kawamoto</td>
<td>・Research concerning pain arising from orthodontic treatment&lt;br&gt;・Study on remodeling of periodontal tissue during orthodontic tooth movement&lt;br&gt;・Research concerning neuropeptides and bone remodeling&lt;br&gt;・Investigation of gene responsible for congenital anomaly associated with malocclusion and the function&lt;br&gt;・Clinical evaluation concerning with long-term stability of orthognathic treatment</td>
</tr>
<tr>
<td>Oral and Maxillofacial Radiology</td>
<td>Prof. Yasuhiro Morimoto</td>
<td>・Research into MRI use for diagnosis of temporomandibular joint disorders&lt;br&gt;・Research into precise blood vessel disclosure using MR angiography&lt;br&gt;・Evaluation of clinical applications of MR sialography&lt;br&gt;・Molecular biological analysis of signaling of apoptotic cell death induced by ionizing radiation</td>
</tr>
<tr>
<td>Field</td>
<td>Faculty Name</td>
<td>Research Areas</td>
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<tr>
<td>Maxillofacial Surgery</td>
<td>Prof. Kazuhiro Tominaga</td>
<td>• Development of drug and gene therapies for malignant tumors and arthritis</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Development of an electrochemical telomerase assay system for cancer diagnosis</td>
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<td></td>
<td></td>
<td>• Animal model research into bisphosphonate-related osteonecrosis</td>
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<tr>
<td></td>
<td></td>
<td>• Development of a diagnostic support system for oral mucosal disease</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Fundamental and clinical research on therapeutic modalities of oral cancer</td>
</tr>
<tr>
<td>Oral Medicine</td>
<td>Prof. Izumi Yoshioka</td>
<td>• Effective molecular targeting and the diagnosis and treatment of oral cancer</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Molecular biological analysis of invasive oral cancer</td>
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<tr>
<td></td>
<td></td>
<td>• Fundamental and clinical research on obstructive sleep apnea syndrome</td>
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<tr>
<td></td>
<td></td>
<td>• Fundamental and clinical research on dental implants</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Development of novel alveolar ridge augmentation methods using osteogenesis</td>
</tr>
<tr>
<td>Dental Anesthesiology</td>
<td>Prof. Seiji Watanabe</td>
<td>• Fundamental research on protecting against intravenous endothelial injury with the use of anesthetics</td>
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<tr>
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<td></td>
<td>• Fundamental research on the modification of neurotransmission related to neuropathic pain</td>
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<td></td>
<td></td>
<td>• Clinical research about securing the upper airway during intravenous anesthesia</td>
</tr>
<tr>
<td>Special Needs and Geriatric Dentistry</td>
<td>Prof. Yasuaki Kakinoki</td>
<td>• Rehabilitation of eating disfunctions and dysphagia</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Research concerning oral care and the prevention of aspiration pneumonitis and eating dysfunction</td>
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<td></td>
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<td>• Research concerning oral dysfunction in elderly and disabled patients</td>
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<td>• Research concerning xerostomia in elderly patients and improvement of oral function</td>
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<td>• Research concerning saliva and diseases of the mouth and tongue</td>
</tr>
<tr>
<td>Surgery</td>
<td>Prof. Hideaki Nakashima</td>
<td>• Elucidation of mechanisms of anti-cancer drug resistance</td>
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<td></td>
<td></td>
<td>• Research on sensitivity to anti-cancer drugs</td>
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<tr>
<td></td>
<td></td>
<td>• Research on VR simulators and training in endoscopic surgery techniques</td>
</tr>
<tr>
<td>Oral Health Sciences</td>
<td>Prof. Sumio Akifusa</td>
<td>• Research on dental health policy</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Immunological mechanisms of adipokines</td>
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<tr>
<td></td>
<td></td>
<td>• Research on the mechanism of bone-resorptive diseases and oral-mucosal diseases targeting lipid mediators</td>
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<td></td>
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<td>• Research about the mechanism of atherosclerosis due to LPS and diabetes mellitus</td>
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<td></td>
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<td>• Research of relationship between oral state and general status</td>
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<tr>
<td></td>
<td></td>
<td>• Activity of prefrontal cortex induced by visually guided direction-selective tongue-protrusion task</td>
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<td></td>
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<td>• Eating habits of the patients receiving periodontal maintenance / SPT</td>
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<tr>
<td></td>
<td></td>
<td>• Relationship between oral function and general status in elderly person</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Investigation of the international education for dental hygienists</td>
</tr>
<tr>
<td>Social Dentistry</td>
<td>Assoc Prof. Takaki Fukuizumi</td>
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<td></td>
<td>• Research in implementation of entry-level university education</td>
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<td></td>
<td>• Policy research concerning dental health maintenance and treatment</td>
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<td></td>
<td>• Research in medical and health care insurance systems</td>
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<tr>
<td></td>
<td>• Research in occupational health system</td>
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</tr>
</tbody>
</table>
Master's Course
(MA Program)

Department of Oral Health Sciences
2017 Guidelines for Applicants
Master's Course (MA Program)
Department of Oral Health Sciences
Graduate School of Dentistry, Kyushu Dental University

1. Major Subjects and Prescribed Number of Students

<table>
<thead>
<tr>
<th>Department of Specialization</th>
<th>Admission Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral Health Sciences</td>
<td>Up to 3 applicants will be accepted</td>
</tr>
</tbody>
</table>

2. Qualified Applicants

(1) Graduates from a university (excluding junior colleges)

(2) Applicants whose education has been recognized with a bachelor of science degree from the National Institution for Academic Degrees and Quality Enhancement of Higher Education, in accordance with Paragraph 4, Article 104 of the School Education Act (legislative act No. 26 of 1947, hereafter referred to as the Education Act)

(3) Applicants educated overseas who have completed 16 years of formal education

(4) Applicants who, while residing in Japan, have completed 16 years of education through correspondence courses offered by overseas educational institutions

(5) Applicants who, while residing in Japan, have completed a foreign university program (limited to programs for which graduates are deemed to have completed 16 years of education in that country) at an institution accredited in that country and authorized by the Minister of Education, Culture, Sports, Science and Technology in Japan.

(6) Applicants who have completed a specialized course of study at a technical school designated by the Minister of Education, Culture, Sports, Science and Technology (limited to four-year courses or longer courses that meet other standards stipulated by the Minister) after the date specified by the minister in Japan.

(7) Applicants designated by the Minister of Education, Culture, Sports, Science and Technology in Japan.

(8) Applicants who have previously entered a graduate school, in accordance with the Paragraph 2, Article 102 of the Education Act, and who have been determined by Kyushu Dental University Graduate School to have the necessary qualifications for study at this graduate school

(9) Applicants at least 22 years of age who, in the judgment of this graduate school based on a separate assessment of qualifications, are determined to have academic abilities at or above the level of a university graduate

(10) Applicants enrolled in a university for three years or more (or those considered by the Minister of Education, Culture, Sports, Science and Technology to be of an equivalent level) who are determined by Kyushu Dental University Graduate School to have completed the number of credits specified by this graduate school and have an outstanding academic record (specifically, having completed 80% or more of the course credits required for university graduation by the end of his or her third year with grades of excellent or higher in at least 90% of the courses)

(11) Applicants who plan to meet one of the qualifications described above by March 31, 2017
3. Verification of Qualifications for Application

Qualifications of those who wish to qualify for application under categories (8) to (10) above will be verified in advance. During the submission period (Monday, September 26 to Monday, October 3, 2016), these applicants should submit the following documents to the address listed in Sub-section (2) of Section 5 “Submission Procedures.” After receiving verification of the qualification for application, these applicants should apply to take the examination.

Furthermore, applicants who have previously been determined to meet the submission qualifications may bypass the formal procedures for verification of application status by submitting the examination identification card or the official notice of qualification for application.

(1) Materials for Submission

1) Application for entrance examination and verification of submission status (with the provided by Kyushu Dental University)
2) Record of educational history, employment history, research history, and related matters (form provided by Kyushu Dental University)
3) Materials for verification of qualifications: copies of licenses, certificates, other
4) Verification of period of employment, as related to the record of employment history submitted (form provided by Kyushu Dental University)
5) Certificate of graduation prepared by the president of the last educational institution attended (junior college, technical college, etc.)
6) Transcript of grades prepared by the president of the last educational institution attended (junior college, technical college, etc.)
7) Applicants qualifying under section (8) should submit the following materials in place of items 3) to 6): a transcript of undergraduate grades (prepared by the president or dean) as well as a certificate of enrollment and a transcript of graduate school grades (prepared by the dean or other research representative)
8) Applicants qualifying under section (9) should submit a record of research publications, academic conference presentations, and similar achievements (form provided by Kyushu Dental University)
9) Applicants qualifying under section (10) should submit the following materials in place of items 3) to 6): a transcript of undergraduate grades and certificate of enrollment, prepared by the president or dean

(2) Official notice of qualification for application will be mailed to applicants by November 7, 2016.

(3) For questions about applicant qualifications, contact the Kyushu Dental University at the address listed in Sub-section (2) of Section 5 “Submission Procedures.”

4. Application Period, Examination Dates, and Other Schedules

<table>
<thead>
<tr>
<th>Application Period</th>
<th>Monday, November 28, 2016 to Monday, December 12, 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Examination Date</td>
<td>Thursday, January 5, 2017</td>
</tr>
<tr>
<td>Announcement of Examination Results</td>
<td>Friday, January 27, 2017</td>
</tr>
<tr>
<td>Period for Enrollment Procedures</td>
<td>Friday, February 10, 2017 to Friday, February 17, 2017</td>
</tr>
</tbody>
</table>
5. Submission Procedures

(1) Methods of Submission

In person: Received from 9:00 AM to 5:00 PM.
Closed on weekends and holidays.

By mail: Must arrive by registered express mail during the indicated application period.
“Application Materials Enclosed (Graduate School Master’s Program)” should be written in red on the submission envelope.

(2) Contact Information for Submission Procedures.

Kyushu Dental University
Secretariat, Department of Academic Affairs
2-6-1 Manazuru, Kokurakita, Kitakyushu, Fukuoka 803-8580 JAPAN
Telephone: +81 93 582-1131 ext. 7243
Fax: +81 93 582-6000
Email: kyoumu@kyu-dent.ac.jp

(3) Materials to Be Submitted

1) Application form: Completed application form provided by Kyushu Dental University
2) Official transcript of grades: Prepared and submitted in a sealed envelope by the president or dean of the university from which the applicant graduated
3) Certificate of graduation or expected graduation: Prepared by the president or dean
4) Photographs (2 copies): Attached to examination identification card. Photos of the applicant’s head and upper body, front-facing, bareheaded, 4×3 cm (H×W), taken within three months.
5) Receipt of payment of ¥30,000 for application fee
6) Statement of purpose in applying (including research areas of interest, research plans, and future goals). No specific format, but approximately one A4 page in length.
7) Health certificate: Have a physician fill in the form provided by the University.
(Those who received a physical in fiscal 2016 (April 1, 2016 to March 31, 2016) can use a copy of the exam results in place of the health certificate.)
8) Applicants not currently enrolled at a university should also submit a certification of employment or expected employment.
9) Applicants who have previously been determined to meet the submission qualifications and wish to bypass the formal procedures for verification of application status should submit the examination identification card or the official notice of qualification for application.
10) Identification: a copy of identification and photo page(s) from passport.
11) A letter of Recommendation from the president of the applicant’s present university or the university from which the applicant graduated
12) Documentation of financial support for the living expenses, etc. for 2 years of planned study.

(4) Forwarding the Examination Identification Card

After the application materials have been received, an examination identification card will be sent to the applicant. If you have not received the examination identification card by one week before the examination, contact the Educational Affairs Section of the Kyushu Dental University Secretariat at this telephone number: +81 93 582-1131 ext. 7243.
6. Special Note for Applicants with Impairments

Special considerations may be required both at the time of the entrance examination and during attendance at the university. Physically impaired applicants (as defined in Item 3, Article 22 of the Ministerial Ordinance of the School Education Act) should submit the following additional application form and consult with the Educational Affairs Section before applying.

- An application form (A4, no predetermined format) with the following information:
  1) Applicant's name, address, telephone number, etc.
  2) Name of the university or educational institution from which the applicant graduated
  3) Statement of the type and degree of the applicant's physical impairment (if currently under treatment, attach a physician's health certificate)
  4) Indication of any desired special considerations when taking the entrance examination or attending university classes
  5) Indication of any desired special considerations taken by the university or educational institution from which the applicant graduated
  6) Statement of relevant circumstances of daily life

7. Dates and Locationsof Entrance Examinations

<table>
<thead>
<tr>
<th>Date</th>
<th>Examination Content</th>
<th>Time</th>
<th>Site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thursday, January 5 2017</td>
<td>English</td>
<td>11:00 AM–12:00 PM</td>
<td>Kyushu Dental University</td>
</tr>
<tr>
<td></td>
<td>Interview</td>
<td>from 1 PM</td>
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</tr>
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</table>

For the English examination

Dictionaries may be used, but not electronic dictionaries

8. Announcement of Examination Results

Examination results are posted at the University and mailed to the applicant. Note that the University does not accept inquiries by telephone or other means about the status of examination results.

9. Enrollment Procedures

Those applicants who have received notification that he/she has been accepted into the graduate school must complete the required procedures, such as submitting the relevant documents and paying the entrance fees, before the specified deadlines. Details about these matters will be sent separately to successful applicants.

Reference

(1) Entrance fee: ¥520,000
(2) Tuition fee (annual): ¥535,800 (payable in two installments, in April and October)

Items (1) and (2) above are provided in the fiscal 2016 fee-related regulations of Kyushu Dental University. Details on the amounts due for fiscal 2017 and payment methods will be included in admissions information distributed by the University. In the event that tuition fees change during the period of study, applicants will be responsible for payment of updated fees for subsequent payments.
Under no circumstances will payment for entrance fees or other be refunded.

10. Scholarships
(1) Japan Student Services Organization (JASSO); formerly the Japan Scholarship Foundation
(2) The Nagamatsu Scholarship Foundation
(3) Others

11. Cautionary Notes
(1) Identify examination subjects for your field of study on both the application form and the examination identification card.
(2) Under no circumstances can submitted application materials be returned or payment for application fee refunded.
(3) Personal information obtained during the application process is used for the purposes of applicant selection, notification of examination results, and graduate school admission procedures. In addition, after applicants are accepted into the graduate school, this information is used for matters related to school affairs (such as registration of students), for student support (such as health management, reduction or remission of tuition scholarship applications, etc.), and for administrative work in collecting tuition and conducting research and analysis (to improve entrance exams and gather data for analysis on applicant trends). Personal information is not used for any other purposes or provided to third parties without the permission of the applicant.
### 12. Professors and Contents of Research

<table>
<thead>
<tr>
<th>Professors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral Health Care Sciences Research Track:</td>
</tr>
<tr>
<td>Profs. Katsumi Hidaka, Sumio Akifusa, Hisako Hikiji, and Atsuko Nakamichi</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Primary Research Topics</th>
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</thead>
<tbody>
<tr>
<td>● Research aimed at clarifying health issues concerning regional oral health care, and gaining understanding of actual conditions of dental disease and oral health care management through work with hospitals, institutions for elderly care, etc. as well as with insurance providers, municipal health care centers, schools, and agencies, etc. which provide regional oral health care</td>
</tr>
<tr>
<td>● Study of lifelong oral health care management to prevent dental disease, the theory of health care measures, communication practices in health care, and practical research from the dental hygienist’s point of view concerning care of those with physical, cognitive, or activity impairments</td>
</tr>
<tr>
<td>● Experimental research on the molecular mechanism of diseases in oral hard and soft tissues</td>
</tr>
<tr>
<td>● Research using technique of molecular cellular biology or epidemiology to investigate change in immune response according to energy exchange disorder, such as metabolic syndrome, particularly in terms of the influence of various types of adipokines on immune system.</td>
</tr>
<tr>
<td>● Compilation and arrangement of information concerning eating activities, and research into the role of the cerebral cortex in the initiation and performance of movement, or memory and learning, etc., using non-invasive methods which take into consideration the particular person involved</td>
</tr>
<tr>
<td>● Research focused on the effectiveness of SPT treatment and oral health care maintenance provided for periodontal disease, and on the resulting effects on psychology, overall body function, and nutritional status *</td>
</tr>
<tr>
<td>● Clinical and fundamental research, as well as epidemiological research using databases of dental and medical examinations of local residents, in order to clarify the circumstances of and relationships between systemic health conditions such as arteriosclerosis, diabetes, etc. and oral health conditions such as periodontal disease, the number of residual teeth, chewing ability, etc. *</td>
</tr>
<tr>
<td>● Establishment of a system of the evidence-based diagnosis, treatment, and oral health care for the oral diseases which dental hygienists often encounter *</td>
</tr>
<tr>
<td>● Clinical, practical research making use of field studies, life-stage studies, and life-style studies, and focused on the improvement of oral function and rehabilitation for food intake and swallowing *</td>
</tr>
<tr>
<td>● Fundamental researches using the molecular technique and clinic or epidemiologic studies using epidemiological technique necessary to keep health of teeth and the mouth and systemic health, such as the following: the development, maintenance and recovery of the function to eat, the preventions of dental caries, life-style related diseases causing eating dysphagia and the Need for Long-Term Care, and the undernutrition that may be caused by intraoral diseases etc.</td>
</tr>
<tr>
<td>● Clinical research on the oral management that is thinking process and job cooperation of the multi professionals for acute, convalescence, and maintenance phases. *</td>
</tr>
</tbody>
</table>

* Those engaging in clinical research must possess the proper medical qualifications required for medical practice (as a dentist, dental hygienist, nurse, etc.).