

Program-Level Assessment: Annual Report

Program: Graduate Orthodontics

Department: Orthodontics

Degree or Certificate Level: Master

College/School: Center for Advanced Dental Education

Date (Month/Year): 11/2020

Primary Assessment Contact: Ki Beom Kim

In what year was the data upon which this report is based collected? 2019

In what year was the program's assessment plan most recently reviewed/updated? 2019

1. Student Learning Outcomes

Which of the program's student learning outcomes were assessed in this annual assessment cycle?

We assess student performance via tests that are required for passing required coursework and via assessment of clinical treatment on patients.

We conduct various exit interviews.

We evaluate performance on standardized examinations.

We conduct a mid-course and final oral examination.

2. Assessment Methods: Artifacts of Student Learning

Which artifacts of student learning were used to determine if students achieved the outcome(s)? Please identify the course(s) in which these artifacts were collected. Clarify if any such courses were offered a) online, b) at the Madrid campus, or c) at any other off-campus location.

The learning objectives was evaluated through the various test results, clinical treatment outcomes, ongoing assessment from the individual instructors and the American Board of Orthodontics test results.

3. Assessment Methods: Evaluation Process

What process was used to evaluate the artifacts of student learning, and by whom? Please identify the tools(s) (e.g., a rubric) used in the process and include them in/with this report.

The Core Graduate Orthodontics Faculty Committee meets weekly and evaluates student performance include didactic and clinical courses constantly. The outcome assessment from the American Board of Orthodontics written examination were analyzed by the category. For proficiency of clinical skills, an informal formative assessment occurs with daily verbal feedback and a formalized summative assessment each semester. The assessment data is reviewed once a year at the called meeting of the entire orthodontic faculty

4. Data/Results

What were the results of the assessment of the learning outcome(s)? Please be specific. Does achievement differ by teaching modality (e.g., online vs. face-to-face) or on-ground location (e.g., STL campus, Madrid campus, other off-campus site)?

As part of our program learning outcomes, most of the residents will be able to pass the written portion of the American Board of Orthodontics certifying examination. The residents must maintain a B average for all didactic and clinical courses. This was achieved.

- All 14 residents demonstrated proficiency in clinical skills consistent with those exhibited by experienced orthodontists. This was declared unanimously by the faculty at a meeting of the faculty just before graduation.
- All 14 residents conducted an original research project and conducted a successful oral defense.

5. Findings: Interpretations & Conclusions

What have you learned from these results? What does the data tell you?

Based on the American Board of Orthodontics written exam and clinical exam results, our students have shown improvement in terms of their test scores and number of board certifications.

6. Closing the Loop: Dissemination and Use of Current Assessment Findings

A. When and how did your program faculty share and discuss these results and findings from this cycle of assessment?

The Core Graduate Orthodontic Faculty meets every week and continuously evaluates student performance. Once the American Board of Orthodontics Written Exam and Clinical Board Exam results are available, the Core Graduate Orthodontic Faculty analyses the results and present to the Annual Orthodontic Faculty meeting with further assessment.

B. How specifically have you decided to use these findings to improve teaching and learning in your program? For example, perhaps you've initiated one or more of the following:

Changes to the Curriculum or Pedagogies

- Course content
- Teaching techniques
- Improvements in technology
- Prerequisites

- Course sequence
- New courses
- Deletion of courses
- Changes in frequency or scheduling of course offerings

Changes to the Assessment Plan

- Student learning outcomes
- Artifacts of student learning
- Evaluation process

- Evaluation tools (e.g., rubrics)
- Data collection methods
- Frequency of data collection

Please describe the actions you are taking as a result of these findings.

The Core Graduate Orthodontic Faculty uses measures of student performance on each of the four parts (Basic and Applied Biomedical Sciences, Clinical Sciences "A", Clinical Sciences "B", and Clinical Case Analysis) of the American Board of Orthodontics written exam to alter the curriculum and faculty. We have added, altered, and deleted various didactic and clinical courses as the result of the examination results. We added two new courses to strengthen the knowledge of digital orthodontics

If no changes are being made, please explain why.

7. Closing the Loop: Review of Previous Assessment Findings and Changes

A. What is at least one change your program has implemented in recent years as a result of assessment data?

Two new courses were added: Digital Orthodontics and Diagnosis and Treatment planning with Digital Technology

B. How has this change/have these changes been assessed?

The learning objectives were evaluated through the various test results, classroom discussion, and clinical outcome.

C. What were the findings of the assessment?

Our students continue to demonstrate the better understanding of the complexity of orthodontic diagnosis and treatment planning. Based on the American Board of Orthodontics written exam and clinical exam results, our students have shown improvement in terms of their test scores and number of board certifications.

D. How do you plan to (continue to) use this information moving forward?

The program director and the Core Graduate Orthodontic Committee meets weekly to evaluate the current status of learning outcomes based on the comments from the faculty and discuss the possible ways to improve the outcomes.

IMPORTANT: Please submit any assessment tools and/or revised/updated assessment plans along with this report.