

INFORMATIONAL REPORT ON PROSTHODONTICS PROGRAMS ANNUAL SURVEY CURRICULUM DATA

Background: At its Winter 2015 meeting, the Commission directed that each Review Committee review a draft of its discipline-specific Annual Survey Curriculum Section during the Winter meeting in the year the Survey will be distributed. The Commission further suggested that each Review Committee review aggregate data of its discipline-specific Annual Survey Curriculum Section, as an informational report, when the materials are available following data collection and analysis. The Commission noted that all survey data is considered confidential at the programmatic level.

The Curriculum Section of the Commission's Annual Survey is conducted for prosthodontics education programs in alternate years. The most recent Curriculum Section was conducted in August/September 2022. Aggregate data of the most recent Curriculum Section for review by the Prosthodontics RC is provided as an informational report in **Appendix 1**.

Summary: The Review Committee on Prosthodontics Education is requested to review the informational report on aggregate data of its discipline-specific Annual Survey Curriculum Section (**Appendix 1**).

Recommendation: This report is informational in nature and no action is requested.

2022-23 Prosthodontics Curriculum Survey Results

This report includes data collected in the 2022-23 *Survey of Advanced Dental Education* from 47 accredited prosthodontics, eight maxillofacial prosthetics, and one accredited combined prosthodontics-maxillofacial prosthetics programs accredited at the time of the survey.

21. What percentage of time do students/residents devote to each of the following areas during the entire program?

Field	Minimum	Maximum	Mean	Count
a. Clinical (include related laboratory activity)	45.0	70.0	61.7	48
b. Didactic (include assigned laboratory activity)	10.0	40.0	25.8	48
c. Research	0.0	15.0	6.5	48
d. Teaching	0.0	10.0	5.6	48
e. Other, please specify	0.0	10.0	0.4	48

e. Other, please specify - Text

Attend conferences.

Chart reviews, Mock Boards (Written, Scenario, Oral Case Presentation)

Lab Activities

Laboratory

22. How many documented evaluations of student/resident performances are conducted annually by the teaching staff?

Field	Minimum	Maximum	Mean	Count
	2.0	99.0	5.4	48

23. How many prosthodontic procedures were completed by all students/residents in each of the following areas during the 2021-22 academic year?

a. Fixed prosthodontics (no implants):

Field	Minimum	Maximum	Mean	Count
1. Single fixed restoration (all types)	40.0	985.0	278.9	48
2. Total number of fixed partial denture retainers (retainers only)	4.0	270.0	59.3	48
3. Complete arch restorations (List only the number of arches)	0.0	147.0	18.4	48

b. Removable prosthodontics (no implants):

Field	Minimum	Maximum	Mean	Count
1. Complete denture, both arches	7.0	175.0	43.4	48
2. Single complete denture	4.0	138.0	26.4	48
3. Removable partial denture	2.0	133.0	29.7	48

b4. Please indicate the number of prostheses listed in lines b1 (Complete dentures, both arches) and b2 (Single complete dentures) that involved tooth-supported overdentures.

Field	Minimum	Maximum	Mean	Count
	0.0	41.0	2.6	48

c. Implant supported restorations:

Field	Minimum	Maximum	Mean	Count
1. Removable complete denture, both arches	0.0	44.0	9.4	48
2. Removable single complete denture	1.0	32.0	11.0	48
3. Removable partial denture	0.0	30.0	4.7	48
4. Single fixed restoration (all types)	28.0	506.0	118.7	48
5. Total number of fixed partial denture retainers (retainers only)	4.0	224.0	58.0	48
6. Complete arch fixed restorations (List only the number of arches): Partially edentulous arch (tooth and/or implants)	0.0	164.0	12.1	48
7. Complete arch fixed restorations (List only the number of arches): Completely edentulous arch (implants only)	2.0	72.0	16.9	48

23. How many prosthodontic procedures were completed by all students/residents in each of the following areas during the 2021-22 academic year?

d. Implant placement:

Field	Minimum	Maximum	Mean	Count
1. Implants placed to support removable prostheses	0.0	266.0	18.1	48
2. Implants placed for single tooth restorations	0.0	176.0	37.0	48
3. Implants placed for fixed complete prostheses	0.0	125.0	20.0	48
4. Implants placed for fixed partial prostheses	0.0	279.0	18.7	48
5. Site augmentation/preservation (all types) as part of implant placement	0.0	82.0	18.0	48
6. Immediate implant placement	0.0	46.0	7.4	48
7. Total number of CBCT studies	0.0	349.0	84.5	48

e. Total number of maxillofacial prostheses (all types) completed by all students/residents.

Field	Minimum	Maximum	Mean	Count
	0.0	348.0	15.9	48

Comments from Prosthodontics Curriculum Survey Section page 1

Due to school policy, Grad Prosth residents are not allowed to place implants for fixed complete prostheses. Number of procedures are close estimations.

Implant surgery prosthetics based on estimates because no tracking is available in axiUm for that specification.

Not a hospital based program, rarely have maxillofacial patients admitted, residents do experience maxillofacial consultation and proper diagnosis and referral is made.

Q23d. The number of implant placements reported in the survey included only those the residents performed on patients. Their other implant placement experiences were not included in this total. Residents initially place implants on cadavers during the Anatomy course in the first year. They also take a surgical course in 2nd year that includes placing implants in pig mandibles. Additionally, they assist in Graduate Periodontics on many of their implant cases. Residents can place implants in Graduate Prosthodontics or Graduate Periodontics. Q23e. Residents work with our maxillofacial prosthodontist for maxillofacial cases, but do not get to take the CDT credit for this. This credit goes to the MF prosthodontist for correct accounting.

The changes in number of procedures maybe due to the separation of maxillofacial fellowship from the prosthodontics residency. The last year adv pros/mfp combined trainee (4-year program) graduated in 2018. A pros resident resigned from the program in Feb of 2020 at which time there was only one trainee in the pros residency.

fixed and removable procedures

24. How many patients were managed by all students/residents during the 2021-22 academic year?

Field	Minimum	Maximum	Mean	Count
	80.0	9276.0	890.4	48

25. Instruction in advanced prosthodontics programs can be provided in a variety of settings. For each of the following subject areas, identify the manner in which students/residents receive instruction.

Question	Formal courses	Lectures/ Seminars	Rotations	e-Learning	None	Total
a. Diagnosis of diseases affecting prosthodontic treatment including caries risk assessment and intervention	70.8%	93.8%	10.4%	14.6%	0.0%	48
b. Fixed prosthodontics	91.7%	81.3%	8.3%	14.6%	0.0%	48
c. Removable prosthodontics	95.8%	83.3%	10.4%	14.6%	0.0%	48
d. Implants and implant therapy	93.8%	87.5%	14.6%	20.8%	0.0%	48
e. Occlusion	89.6%	85.4%	8.3%	16.7%	0.0%	48
f. Esthetics	52.1%	95.8%	2.1%	10.4%	0.0%	48
g. Biomaterials	89.6%	70.8%	2.1%	10.4%	0.0%	48
h. Digital technology	56.3%	97.9%	10.4%	25.0%	0.0%	48
i. Wound healing	60.4%	93.8%	6.3%	12.5%	0.0%	48
j. Surgical principles	66.7%	91.7%	10.4%	14.6%	0.0%	48
k. Infection control	41.7%	91.7%	4.2%	20.8%	0.0%	48
l. Craniofacial anatomy and physiology	83.3%	75.0%	4.2%	10.4%	0.0%	48
m. Diagnostic imaging	66.7%	89.6%	6.3%	12.5%	0.0%	48

Question	Formal courses	Lectures/ Seminars	Rotations	e-Learning	None	Total
n. Prosthodontic diagnosis and treatment planning	77.1%	91.7%	6.3%	14.6%	0.0%	48
o. Oral pathology	91.7%	70.8%	0.0%	10.4%	0.0%	48
p. Applied pharmacology	77.1%	68.8%	2.1%	8.3%	0.0%	48
q. Oral microbiology	66.7%	66.7%	2.1%	6.3%	4.2%	48
r. Temporomandibular disorders and orofacial pain	72.9%	87.5%	8.3%	8.3%	0.0%	48
s. Evidence-based decision-making	41.7%	97.9%	2.1%	10.4%	0.0%	48
t. Ethics and professionalism	47.9%	85.4%	2.1%	8.3%	0.0%	48
u. Pre-prosthetic surgery	35.4%	97.9%	10.4%	10.4%	0.0%	48

v. Geriatrics	37.5%	89.6%	4.2%	10.4%	0.0%	48
w. Maxillofacial prosthetics	79.2%	83.3%	22.9%	8.3%	0.0%	48
x. Medical emergencies	45.8%	81.3%	2.1%	14.6%	0.0%	48
y. Research methodology	85.4%	68.8%	2.1%	6.3%	0.0%	48
z. Pain control and sedation	66.7%	75.0%	4.2%	6.3%	0.0%	48

25 (continued). Instruction in advanced prosthodontics programs can be provided in a variety of settings. For each of the following subject areas, identify the manner in which students/residents receive instruction.

aa. Diagnostic and treatment planning aspects of:

Question	Formal courses	Lectures/Seminars	Rotations	e-Learning	None	Total
1. Endodontics	18.8%	97.9%	2.1%	6.3%	0.0%	48
2. Orthodontics	18.8%	95.8%	6.3%	6.3%	2.1%	48
3. Oral and maxillofacial radiology	50.0%	81.3%	0.0%	6.3%	0.0%	48
4. Oral and maxillofacial surgery	18.8%	95.8%	8.3%	6.3%	0.0%	48
5. Periodontics	33.3%	97.9%	0.0%	8.3%	0.0%	48

Question	Formal courses	Lectures/Seminars	Rotations	e-Learning	None	Total
bb. Craniofacial growth and development	52.1%	77.1%	2.1%	6.3%	0.0%	48
cc. Biostatistics	87.5%	58.3%	0.0%	8.3%	0.0%	48
dd. Intraoral photography	37.5%	95.8%	8.3%	8.3%	0.0%	48
ee. Practice management	47.9%	89.6%	0.0%	6.3%	0.0%	48
ff. Scientific writing	50.0%	75.0%	0.0%	6.3%	0.0%	48
gg. Sleep disorders	22.9%	97.9%	2.1%	6.3%	0.0%	48
hh. Teaching methodology/Public speaking	22.9%	93.8%	6.3%	8.3%	0.0%	48
ii. Behavioral science	20.8%	91.7%	0.0%	6.3%	2.1%	48

Comments from Prosthodontics Curriculum Survey Section page 2

All aspects of clinical patient treatment are achieved in formal courses, not rotations, so we did not include clinical instruction as a “rotation”. The only rotation in which the residents perform particular types of treatment is maxillofacial prosthodontics, so we did mark that as a rotation.

26. How many maxillofacial prosthetics patients were managed by all students/residents in each of the following categories?

Field	Minimum	Maximum	Mean	Count
a. Treated for craniomandibular disorders	1.0	200.0	32.5	8
b. Treated for acquired developmental or congenital defects	2.0	112.0	20.8	8
c. Treated for defects as a result of trauma or disease	5.0	385.0	79.9	8
d. Undergone radiation therapy to the head and neck	7.0	653.0	149.0	8
e. Maxillary defects of the hard palate, soft palate and/or alveolus	5.0	185.0	47.3	8
f. Mandibular continuity and discontinuity defects	4.0	174.0	37.3	8
g. Undergoing radio- and/or chemotherapy for oncologic treatment	7.0	999.0	189.5	8

27. How many maxillofacial prosthetics patients were treated in each of the following categories during the 2021-22 academic year?

Field	Minimum	Maximum	Mean	Count
a. Immediate surgical prostheses for patients undergoing maxillectomy	2.0	35.0	14.6	8
b. Interim prosthesis to support the post-surgical rehabilitation of maxillectomy patients	3.0	55.0	23.8	8
c. Definitive prosthesis to restore maxillary defect	3.0	138.0	32.3	8
d. Interim prosthesis to support the post-surgical rehabilitation of velopharyngeal resection	2.0	35.0	9.0	8
e. Definitive prosthesis/appliance to restore/manage velopharyngeal insufficiency/incompetency	2.0	40.0	10.4	8
f. Palatal speech/swallowing aid	1.0	56.0	12.3	8
g. Autogenous or alloplastic implant or graft for direct prosthesis support	0.0	30.0	11.4	8
h. Managed for craniofacial disorders to include temporomandibular joint dysfunction	1.0	24.0	6.5	8
i. Other supportive/adjunctive device, appliance, or prosthesis to aid in surgical reconstruction or delivery of radiation therapy	3.0	358.0	58.5	8
j. Naso-alveolar molding appliance	0.0	7.0	1.4	8
k. Definitive facial prostheses including nasal, auricular, ocular, orbital or composite	7.0	95.0	25.5	8
l. Prostheses which include a definitive-type obturator for palatal-pharyngeal incompetence	2.0	32.0	13.3	8
m. Palatal stimulators, interim obturators, and adjunctive prostheses for surgical reconstruction	3.0	78.0	27.5	8

28. Are maxillofacial prosthetic students/residents provided the opportunity to gain experience in the management of dental patients in the hospital operating room?

	Percentage
Yes	100.0%
No	0.0%
Total	9

29. Instruction in advanced maxillofacial prosthetics programs can be provided in a variety of settings. For each of the following subject areas, identify the manner in which students/residents receive instruction.

Formal Courses

Question	Yes	No	Total
a. Speech pathology and therapy	22.2%	77.8%	9
b. Oncology	33.3%	66.7%	9
c. Radiation oncology	22.2%	77.8%	9
d. Principles of head and neck surgery	22.2%	77.8%	9
e. Hospital protocol	22.2%	77.8%	9
f. Management techniques of medically compromised patients	22.2%	77.8%	9

Lectures/Seminars

Question	Yes	No	Total
a. Speech pathology and therapy	100.0%	0.0%	9
b. Oncology	100.0%	0.0%	9
c. Radiation oncology	100.0%	0.0%	9
d. Principles of head and neck surgery	100.0%	0.0%	9
e. Hospital protocol	100.0%	0.0%	9
f. Management techniques of medically compromised patients	100.0%	0.0%	9

Rotations

Question	Yes	No	Total
a. Speech pathology and therapy	44.4%	55.6%	9
b. Oncology	33.3%	66.7%	9
c. Radiation oncology	55.6%	44.4%	9

d. Principles of head and neck surgery	55.6%	44.4%	9
e. Hospital protocol	44.4%	55.6%	9
f. Management techniques of medically compromised patients	55.6%	44.4%	9

Comments from Maxillofacial Prosthetics Curriculum Survey Section

Fellow attends formal lectures/courses the Annual Session of the American Academy of Maxillofacial Prosthetics in October and the REDACTED Dentistry Course when given. Fellow attends: Head and Neck Tumor Board bimonthly, Craniofacial and Cleft Palate Board bimonthly and Trauma board monthly.