



## Bureau of Health Care Services

# MICHIGAN ENDODONTICS EXAMINATION BROCHURE

THE EXAMINATION WILL BE ADMINISTERED AT THE  
UNIVERSITY OF DETROIT MERCY  
SCHOOL OF DENTISTRY

Be sure that you have submitted your examination application and appropriate fee to the Health Professions Licensing Division, Bureau of Health Care Services, Department of Licensing and Regulatory Affairs, prior to the deadline date of **April 30, 2015** in order to be scheduled for the examination. If you have questions regarding the application process, you may call the Bureau at (517) 335-0918 or send an e-mail to [BHCSHELP@michigan.gov](mailto:BHCSHELP@michigan.gov).

If you have not received an application, you can obtain one at the following website: [www.michigan.gov/healthlicense](http://www.michigan.gov/healthlicense).

**2015  
MICHIGAN  
ENDODONTICS EXAMINATION BROCHURE**

**INTRODUCTION:**

The licensing examination for Endodontics is designed to measure the knowledge, skills and abilities deemed essential to protect the public's health, safety and welfare.

**EXAMINATION SITE:**

The Endodontics examination will be given on **June 1-2 2015**. After the Bureau has approved you to take the examination, an Admission Letter will be sent to you approximately two weeks prior to the examination. This document will specify the room to which you must report for the examination. The time you should report will be provided upon submission of your case histories (see page 7).

**The test center is located at the University of Detroit Mercy, School of Dentistry, Detroit, MI.** Information regarding the location of the site as well as parking can be found at the back of this brochure. You should enter through the door that is immediately in front of you when you enter the visitor's parking lot off Martin Luther King Jr Blvd (a sign will be posted on the door). When you enter the building, please let the receptionist know that you are attending the dental specialty examination and you will be directed to the Public Safety Command Center.

Please arrive at the site at least one hour prior to your scheduled orals as you will need to obtain a Visitor's Badge that will permit you to enter the examination area as well as the elevators. You will need to leave your official school identification or some other piece of identification other than the identification you need to be admitted to the examination (see page 2) with Public Safety. IF you are a student at the school of dentistry and already have an ID badge, you do not need to sign in with Public Safety.

**THE VISITOR'S BADGE MUST BE TURNED IN BEFORE YOU LEAVE THE FACILITY FOR THE DAY.**

Once you have received your Visitor's Badge, follow the signs to the examination area.

**EXAMINATION SCHEDULE:**

<b>DATE</b>	<b>TIME</b>	<b>PROCEDURE</b>
Day 1	Individual times	Oral Examination & Case History Review (Approximately 2 hours) You should be at the site ONE hour prior to your scheduled oral exam time

Information regarding the submission of your case histories is included on page 7.

### **SPECIAL ACCOMMODATIONS:**

If you require special accommodations because of a disability, a letter that specifies the disability and requested accommodation(s) must be submitted to the Bureau of Health Care Services. A physician or other licensed professional qualified to diagnose and treat the disability must provide detailed documentation of the disability. Requests for accommodations must be received no later than April 30, 2015. However, because of the time required to review documentation and the possible need for additional information, your request should be mailed as early as possible. A letter approving or denying your request will be sent following the review of the information submitted.

Submit your request and relevant documentation to:

Lucinda Clark  
Health Professions Licensing Division  
Bureau of Health Care Services  
MI Department of Licensing and Regulatory Affairs  
PO Box 30670  
Lansing, MI 48909

### **ADMISSION REQUIREMENTS:**

In order to be admitted to the examination, you MUST:

1. **BE ON TIME.**
2. **PRESENT THE ADMISSION LETTER** that will be sent to you approximately two weeks prior to the examination. If you have not received an Admission Letter one week prior to the exam, you should call the Bureau of Health Care Services, Department of Licensing and Regulatory Affairs, at (517) 335-0918 or send an e-mail to [bhcs-help@michigan.gov](mailto:bhcs-help@michigan.gov). If you do not have your Admission Letter, you may still be admitted to the examination provided that your name is included on the site roster. The site coordinator will make this decision. If admitted, a substitute Admission Letter will be prepared for you at the time of check-in. At the conclusion of the examination, all candidates must submit their Admission Letter as verification of attendance at the examination. It is your responsibility to turn in your Admission Letter to the testing staff at the conclusion of the examination.
3. **PRESENT OFFICIAL SIGNED PHOTOGRAPHIC IDENTIFICATION.** Acceptable identification includes a valid Michigan driver license or another state issued driver license, Secretary of State Identification, passport, or government-issued identification. The identification presented **MUST** be an official document and include **BOTH** a photograph and signature. Without the required identification, you will not be permitted to take the examination.

If you do not present the required signed photographic identification or you are late to the scheduled examination section, you will NOT be allowed to take the examination/section and you will forfeit your examination fee. You will be required to submit a new examination application and fee for the next regularly scheduled exam administration.

### **CANDIDATE ANONYMITY**

You will be assigned a unique candidate identification number that will be included on your Admission Letter. You must record **ONLY** your candidate identification number on all examination materials to be scored. To maintain confidentiality, you should NOT introduce yourself by name to the examiners nor include your name, program, or hospital on any of the materials submitted with your case histories.

### **EXAMINATION CONDUCT:**

No reference materials may be utilized during any part of this examination. Textbooks, notebooks, briefcases, large purses, pagers, cell phones, and beepers should NOT be brought into the room where your oral exam is being administered. Neither the State nor the University will be responsible for any loss of items brought to the examination site.

Cheating is defined as any activity, behavior, or procedure that a candidate employs that would enable him/her to pass an examination by dishonest, fraudulent, or deceitful means. Examples of cheating would include, but are not limited to, obtaining information from other candidates, copying from another's answer sheet, copying the examination, removing or attempting to remove test materials or notes from the examination room, using prepared notes during the examination, discussing the examination with others during the examination, referring to textbooks, informing other candidates of the oral questions prior to their taking that section, or having someone take the examination for another person.

Anyone found involved with any of the above activities or behaviors may be denied licensure.

You will be required to sign a statement, at the time of the examination, agreeing to not divulge the contents of the examination.

### **MATERIALS TO BE BROUGHT TO THE EXAMINATION**

You will need to supply:

1. A tape recorder and two (2) 90 minute cassette tapes **OR** a digital recorder with 180 minutes recording capability.
  - If you bring a tape recorder, the tapes will be retained at the conclusion of the oral examination.
  - If you bring a digital recorder with a removable SD card or other memory card, the card will be retained.

- If you bring a digital recorder without removable memory, your recorder will be retained and returned to you with the recording erased from its memory when results are released. You should provide a self-addressed, stamped box for returning the recorder.
- For all devices, you are encouraged to bring an external microphone to enhance recording quality.

**Make certain that the recorder works properly.** You are responsible for the quality and clarity of the recording. If you fail the oral examination, you will not be permitted to review or appeal the results of your oral examination if

- You fail to bring a recorder;
- Your recorder does not operate properly;
- You do not record the entire oral interview; or
- Your responses are not audible.

### **CASE HISTORIES**

The purpose of the case histories is to demonstrate your ability to diagnose, develop a treatment plan, and treat a variety of Endodontic situations.

**The examiners strongly recommend that the cases be written in the format required by the American Board of Endodontics (ABE). Diagnoses must be made according to the current ABE guidelines. Information regarding this format may be requested by calling the ABE at (800) 872-3636.**

**NOTE:** You should label each case as indicated on the next page for ease of scoring by the examiners.

You must submit ten (10) cases representing the following:

1. **One** case in which the diagnostic evaluation of the patient, systemic or dental, was the most significant feature of the case. **(Labeled A1)**
2. **One** case in which emergency treatment procedures, in addition to endodontic procedures, were required. **(Labeled A2)**
3. **One** case involving the endodontic management of a medically compromised patient. Recognition, documentation, or both of a medical problem shall **not** satisfy this requirement. **(Labeled A3)**
4. **Two** cases of a nonsurgical root canal treatment, which shall include but not be limited to, a case with calcified canals, curved canals, long canals, or unusual anatomy. Each of these cases shall include one maxillary molar and one mandibular molar. **(Labeled A4 and A5)**
5. **One** case of a nonsurgical retreatment of a maxillary or mandibular molar. **(Labeled A6)**
6. **One** case of maxillary or mandibular molar periapical surgery with root-end resection and root-end filling. **(Labeled A7)**
6. **Three** additional cases that may include, but not be limited to, the above case types or any surgical or nonsurgical case of sufficient complexity that fits in the

current scope of endodontic practice. For example, these three cases could include the management of any of the following: **(Labeled A8, A9, and A10)**

- Traumatic injuries and their sequelae
- External or internal resorption
- Iatrogenic or resorptive perforations
- Regenerative/revascularization
- Incompletely developed apices
- Periodontic-Endodontic lesions
- Hemisections or root amputations
- Intentional replantation or transplantation
- Orthodontic endodontic case
- Separated instrument or post removal
- Developmental anomalies

Case Histories must include:

1. Significant medical findings
2. History of treatment (including biopsy reports)
3. History of medications
- 4.\* Pre-treatment radiograph and post-treatment radiograph
- 5.\* Treatment radiographs (this includes electronic images)
- 6.\* Follow-up radiographs, biopsy reports and clinical findings when available

\* Digital radiographs and images are encouraged. If conventional film-based radiographs and slides are submitted, they should be originals. However, If duplicates are used, you must include, in the casebook, an explanation as to why the originals are not available. A signed statement must accompany this explanation from the institution denying you the use of the originals.

**NOTE:** All treatment entries, radiographs, and images **MUST** be dated.

Casebook Format:

**Your Candidate Number Only, Not Your Name, Should Appear on the Cover of Your Casebook.**

1. Table of Contents of the entire portfolio
2. List of all abbreviations used in the cases
3. Each Individual case history that includes all write-ups, images and radiographs. A tab labeled A1, A2, A3, etc should separate each case history.

The casebook is graded as a whole with equal weighting for criteria such as examination, diagnosis, prognosis, treatment planning and therapy. Points may be

deducted if the casebook is poorly organized. The examiners may ask questions regarding your Casebook during the Oral Examination. The Case Histories section is worth 100 points.

**You will be required to sign a statement at the examination site testifying that you were solely responsible for the work completed on the cases presented for scoring.**

**NOTE:** An insufficient number of case histories is grounds for failure of this section of the examination. A report or thesis project will **not** be accepted as a substitution for the required cases.

**In addition to the written Case histories, a digital copy (either a USB removable drive or a CD) that will be retained must be submitted. The written case material will be returned upon completion and scoring of the examination. Both the written and digital case histories must be submitted in accordance with the information shown below.**

### **SUBMISSION OF CASE HISTORIES**

Your case histories must be submitted by no later than May 22 to the following address:

Kate Shannon, MS  
4320 44<sup>th</sup> Street SW  
Suite 101  
Grandville, MI 49418

The cases will be evaluated by at least two examiners prior to the start of the actual examination administration. The time for your oral examination will be randomly assigned. You should report to the examination site at least one hour prior to your scheduled oral examination. In order for you to know when your oral examination will be conducted, your name as well as a current e-mail and phone number must be included with your cases. This information will not be shared with the examiners. It will, however, be used to contact you to advise you of the time for your examination.

### **ORAL EXAMINATION**

**You must record this portion of the examination.**

You will be examined on an individual basis for approximately two (2) hours. A series of radiographs, slides, information, and/or other materials will be used to generate questions. Each candidate will be presented with the same materials from which the same initial set of questions will be asked. However, the examiners may ask additional questions if they feel you are deficient in certain areas. Additional questions pertaining only to your cases may be asked of you, but will not be asked of other candidates.

The purpose of this portion of the examination is to allow you to demonstrate your knowledge as it applies to **clinical situations**. The following list of subjects is a general

guide of topics that may be covered.

1. The normal anatomy and histology of the teeth and their supporting tissues
2. The processes of inflammation, healing and repair
3. The mechanisms and physiology of the spread of infection
4. The physiology and psychology of pain
5. The principles and techniques of radiology and radiographic interpretation
6. Physical diagnostic procedures and tests
7. The use and pharmacologic action of local anesthetics, analgesics, drugs, and drug interactions
8. The effects and relationships of systemic disease to the oral cavity
9. The management of medical emergencies
10. Dental materials and instruments related to endodontics
11. Endodontic diagnostic procedures and their interpretation
12. Discrimination between periapical lesions of pulpal origin, periapical lesions of non-pulpal origin, and normal structure resembling periapical lesions
13. Diagnosis and treatment planning for pulpal and periapical pathosis
14. Treatment modalities of all endodontic procedures and adjunctive treatments

You should answer questions briefly, yet in a manner that demonstrates knowledge of the subject. At the same time, you should be prepared to answer in greater detail when required.

The oral examination will consist of a series of questions worth a total of 100 points.

### **SCORING OF THE EXAMINATION**

All sections of the examination will be evaluated by at least two examiners. Each examiner will evaluate the sections independently and the final score for each section will be the average of all examiners' scores.

During the course of the examination, the examiners may use expressions such as "That's okay" or "Fine." These comments should **NOT** be construed as anything other than a polite way of completing a checkpoint or proceeding to another topic.

In order to pass the examination, you must receive a score of 75% in **EACH** section of the examination. Those sections in which you receive a score of **LESS** than 75% may be repeated once in an 18-month period. Should you **NOT** receive a 75% in each section taken during the second attempt, you will be required to retake the entire examination.

Your score(s) will be released in approximately six weeks following the last day of the examination. Results will **NOT** be provided over the phone nor will they be released to a third party unless you have submitted a signed written request to the Bureau of Health Care Services for the release of your results to a specific third party.

If you receive a score of **PASS**, this will be the only information available as to your

success on the examination. Actual numeric scores are **NOT** available.

If you **FAIL** the examination, your numeric score(s) along with a breakdown of your performance on each section failed will be provided. This information is intended to assist you in preparing for re-examination.

## **REVIEW AND APPEAL OF FAILED EXAMINATION**

Should you fail an examination section, you may request a personal review of the examination documents.

1. Complete the Request for Review form that will be included with your Notice of Failure, along with a cashier's check or money order in the amount of \$50.00 made payable to the "State of Michigan". Send the form and payment within thirty (30) calendar days of the Notice of Failure date to:

Kate Shannon, MS  
4320 44<sup>th</sup> Street SW  
Suite 101  
Grandville, MI 49418

2. The review will be conducted in the Lansing area. The date of the review will be included with your Notice of Failure. The specific time and location will be provided following receipt of your Request for Review form.
3. The review will be limited to a sight review ONLY. You will have one-half of the amount of time allocated for the administration of the failed section (*i.e.*, if two hours were allocated for the administration of a section, you would have one hour for the review of that section). Notes made by you during the review may NOT be removed from the room nor copied. Reference materials may be brought to the review.
4. The review will be limited to the area(s) of failure ONLY.
5. At the conclusion of the review, you must decide whether or not you wish to appeal your results. If you decide to appeal, you may submit for consideration any information or documentation that pertains to the failed section(s) of the examination.
6. All questions, comments, and documentation made by you will be submitted to the Endodontics Examination Committee for review. The committee's decision will be forwarded to the Michigan Board of Dentistry.
7. The Michigan Board of Dentistry will take action on the recommendation(s) presented.
8. Following the Board's decision, the Bureau of Health Care Services will notify you of the results of your appeal.

## **SUGGESTED REFERENCES**

The most recent editions of the following books and journals may assist you in your preparation for the examination. An effort is made to use the most current edition of a textbook. The following list of references is suggestive in nature; **IT IS NOT ALL INCLUSIVE**.

AAE Guidelines (most current set)

Andreasen & Andreasen, Textbook and Color Atlas of Traumatic Injuries to Teeth, C.V. Mosby

Andreasen, Jens O., Traumatic Injuries of the Teeth, W.B. Saunders Co.

Arens, D., et al., Endodontic Surgery, Harper and Row Publishing.

Bell W.E., Orofacial Pains: Classification, Diagnosis and Management, Year Book Publishers.

Bellizzi, R., Loushine R. A Clinical Atlas of Endodontic Surgery, Quintessence Books.

Clinician's Guide to Treatment of Medically Compromised Dental Patients, Academy of Oral Medicine

Cohen, S., and Burns, R., Pathways of the Pulp, C.V. Mosby.

Cottone, J.A, et al., Practical Infection Control, Lea and Febiger.

"Endodontics" Dental Clinics of North America, W.B. Saunders Co., Editions 18:2 (1974), 23:4 (1979), 28:4 (1984), 36:2 (1992).

Gerstein, Harold. Techniques in Clinical Endodontics, W.B. Saunders Co.

Goaz and White, Oral Radiology, Mosby Year Book, Inc.

Goodman and Gilman, The Pharmacological Basis of Therapeutics, MacMillan Publishing Co.

Goth, A., Medical Pharmacology, C.V. Mosby.

Gray, Henry, Anatomy of the Human Body, Lea and Febiger.

Greenspan, et al., AIDS and the Mouth, Munksgard Publ.

Grossman, L.I. Oliet S., DelRio, C.E., Endodontic Practice, Lea and Febiger.

Gutman, J.L, et al., Problem Solving in Endodontics, Year Book Medical Publishers.

Gutman, J.L, Harrison, J.W., Surgical Endodontics, Blackwell Scientific Publications.

Hansten, P.D., Drug Interactions, Lea and Febiger.

Holroyd, S.V., et. al., Clinical Pharmacology in Dental Practice, C.V. Mosby.

Ingle, J.I., Taintor, J., Endodontics, Lea and Febiger.

Little, J.W, Falace, D.A., Dental Management of the Medically Compromised Patient, C.V. Mosby.

Mahan, P.E, Alling, C.C., Facial Pain, Lea and Febiger.

Malamed, S., Handbook of Local Anesthesia, C.V. Mosby.

Malamed, S., Handbook of Medical Emergencies in the Dental Office, C.V. Mosby.

Monhiem, L.M., Local Anesthesia and Pain Control in Dental Practice, C.V. Mosby.

National Council on Radiation Protection and Measurement, Report 43, 1975.

Newman, M., Kornman., Antibiotic/Antimicrobial Use in Dental Practice, Quintessence Books.

Roitt I, et. al., Immunology, C. V. Mosby.

Schuster, G.S., Oral Microbiology and Infectious Disease, B.C. Decker Publishing Co.

Seltzer, S., Endodontology: Biologic Considerations in Endodontic Procedures, Lea and Febiger.

Seltzer, S., Inflammation: An Update, Research and Education Foundation, American Association of Endodontists.

Seltzer, S., Pain Control in Dentistry: Diagnosis and Management, J.B. Lippincott Co.

Seltzer, S., Bender, I.B., The Dental Pulp, J.B. Lippincott Co.

Shafer, Hine and Levy., A Textbook of Oral Pathology, W.B. Saunders Co.

TenCate, A.R., Oral Histology: Development, Structure and Function, C.V. Mosby.

Topazian, R.G, Goldberg, M.H., Management of Infections of the Oral and Maxillofacial Regions, W.B. Saunders Co.

Travell, J.G, Simons, D.G., Myofacial Pain and Dysfunction: The Trigger Point Manual, William and Wilkens.

Tronstad, L., Clinical Endodontics, Theime Medical Publishers.

Trowbridge, H.O., Emling, R.C., Inflammation: A Review of the Process, Quintessence Books.

Walton, R.E., Torabinejad, M. Principles and Practices of Endodontics, W.B. Saunders.

Weine, F.S., Endodontic Therapy, C.V. Mosby.

Wood, N.K, Goaz, P.W., Differential Diagnosis of Oral Lesions, Mosby Year Book, Inc.

Wynn, Richard, Meiller, Timothy, and Crossley, Harold. Drug Information Handbook for Dentistry. Lexi-Comp.

## **JOURNALS AND PERIODICALS**

The candidate should be knowledgeable in both the **Classic Endodontic Literature** as well as important articles from the **Current Literature**.

"Journal of the American Dental Association"

"Journal of Dental Research"

"Journal of Endodontics"

"International Endodontics Journal"

"Oral Surgery, Oral Medicine and Oral Pathology"

"Endodontic Traumatology"

**Directions to**  
**UNIVERSITY OF DETROIT MERCY**  
**SCHOOL OF DENTISTRY**  
**2700 Martin Luther King Jr. Boulevard**  
**Detroit, MI 48208-2576**

The School of Dentistry is located near downtown Detroit, one block east of I-96 Jeffries Freeway and within minutes of I-94, I-75, and the Lodge Freeway.

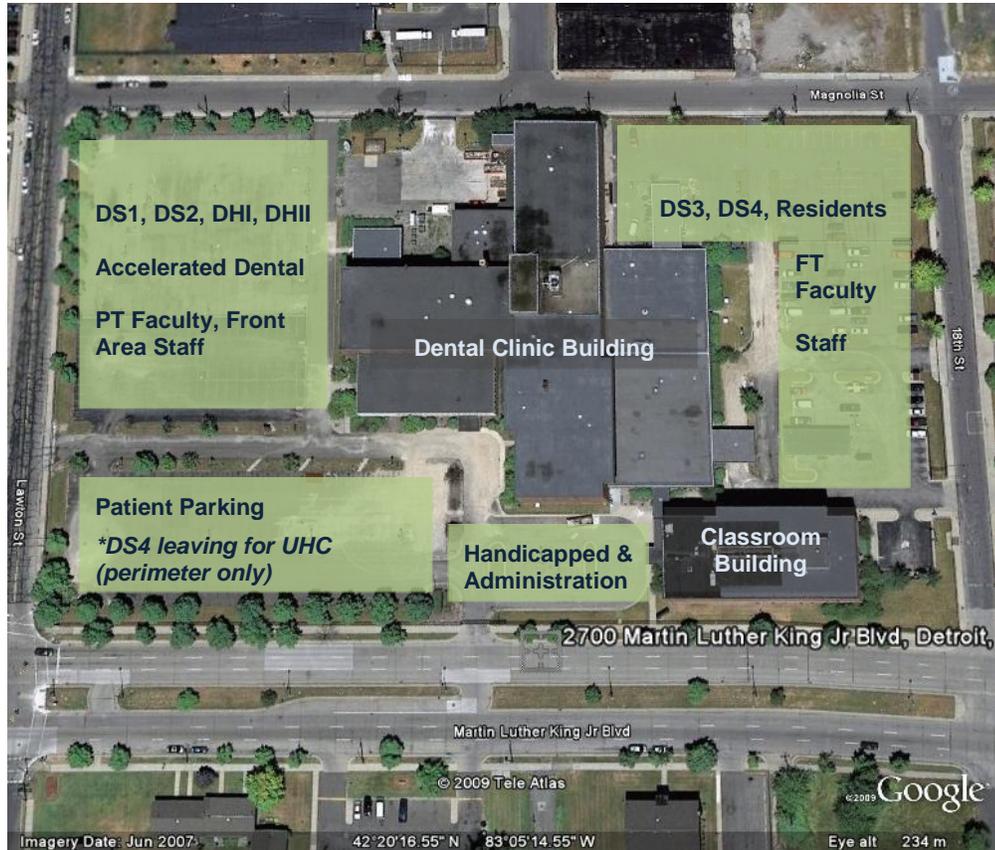
**Driving Directions**

- **From the Northwest, East and West:**  
From I-96 East/Jeffries Freeway, take exit 191 (US-12/ML King Jr. Blvd/Michigan Avenue). Turn left onto ML King Jr. Blvd/Myrtle St. Go one block; school is on your left.
- **From Downriver:**  
From I-96/Jeffries Freeway, take Michigan Ave/US-12 exit. Turn left onto Michigan Ave. Turn right onto Tillman St. Turn right onto ML King Jr. Blvd/Myrtle St. Make a U-turn onto ML King Jr. Blvd/Myrtle St.

Parking is available on the Dental School campus. You **MUST** park in the area labeled Patient Parking (shown on the next page). The entrance for the examination is in the building where the word “Dental” is shown on the next page (in the phrase Dental Clinic Building).

UNIVERSITY OF DETROIT MERCY  
SCHOOL OF DENTISTRY

CORKTOWN CAMPUS PARKING GUIDELINES



Anyone experiencing problems accessing their assigned parking area should contact Ms. Dana Hart at (313) 494-6621 or [dana.hart@udmercy.edu](mailto:dana.hart@udmercy.edu) as soon as possible. **Parking assignments will be strictly enforced.** Your cooperation helps to ensure adequate parking for patients and is greatly appreciated.