Dr. Jim Jensen (seated center), founder of the endodontics graduate program at the University of Minnesota, with faculty and residents from the classes of 2007, 2008 & 2009.

21 Aug 2007
17 May 2017
Drs. Brown & Regan Anderson
ready for the ABE Written Exam
School of Dentistry Graduation
12 May 2017
Division of Endodontics Class of 2017
Drs. Brown, Schuurmans, Regan Anderson and Knoll
27 April 2017
AAE 2017
New Orleans, LA

Drs. Brezinsky, Anders, McClanahan & Lavasani
Drs. Lavasani, Anders, & Brezinsky receive their Diplomate pins from ABE Secretary McClanahan
Assessing the Accuracy and Reliability of Root Cracks and Fracture Detection in Teeth Using Fourier Transform Infrared Spectroscopy (FTIR) and Magnetic Resonance Imaging (MRI)

Objectives:
- To determine the accuracy and reliability of FTIR and MRI in detecting root cracks and fractures.
- To compare the results obtained from FTIR and MRI with histological examination.

Materials and Methods:
- FTIR: Spectroscopy was performed on teeth extracted from patients with known root crack or fracture. Samples were analyzed using a Fourier Transform Infrared Spectrometer.
- MRI: Magnetic resonance images were obtained using a 3T MRI scanner. Images were analyzed for the presence of root cracks and fractures.

Clinical Challenges of Internal Fracture Detection
- Difficulty in detecting internal fractures due to their location and size.
- Importance of accurate detection for proper treatment planning.

Conclusion:
- FTIR and MRI are effective tools for detecting root cracks and fractures.
- Further research is needed to optimize the detection methods and improve accuracy.

A-Splinting Kit for Traumatic Dental Injuries
- Overview of the A-Splinting Kit and its application in treating traumatic dental injuries.
- Benefits of using A-Splinting Kit compared to traditional splinting methods.

Poster & Table Clinic Presentations

27 April 2017 – AAE 2017 New Orleans, LA
Dr. Shalev & Dr. Regan Anderson unite for a combined Endo Perio surgery in the Endo Surgery Suite
30 Mar 2017
Everyday Endodontics – Hands On Course
sponsored by the Division of Endodontics
03 & 04 Mar 2017
Dr. Knoll & Dr. Hamilton team up for a combined Endo Perio surgery in the Endo Surgery Suite
03 Mar 2017
Dr. Penaz has a close encounter with his microscope.
Baby shower for Alicia,
Grad Endo Assistant
11 Jan 2017
17 January 2017
Dr. Penaz takes a break from studying.
Dr. Divine and her endo number 30 cake pop treats.
Dr. Divine and Kickertz do some of the prep work for the Microsurgery Lab Course.
10 -12 Nov 2016
Dr. McKenzie “shelving” his MS thesis in the Endo Conference Room 09 Sep 2016
Division of Endodontics - Class of 2016
Drs. McKenzie, Saylor, Finley & Zedler.
30 Aug 2016 - Graduation Ceremony
30 August 2016 - Graduation Ceremony
Classes of 2016 with Grad Assistants
Alicia Christy & Ling-Hui Anderson
30 August 2016
Graduation Ceremony
Chief Resident
Phil McKenzie
&
Dr. McClanahan
30 August 2016
Graduation Ceremony
Resident Classes of 2016 & 2017
30 August 2016
Graduation Ceremony
Drs. Saylor & Finley
30 August 2016
Graduation Ceremony
Dr. Finley
&
Dr. McClanahan
30 August 2016
Graduation Ceremony
Rhett & Julianne Finley
05 August 2016
Residents & Faculty with Guest Speaker,
Dr. Marcus Haapasalo (far right)
Class of 2018
School of Dentistry Graduation  
13 May 2016  
Division of Endodontics Class of 2016  
Drs. Finley, McKenzie, Saylor and Zedler
27 April 2017
Residents with Guest Speaker,
Dr. John Olmsted (far right)
9 April 2016
General Assembly - AAE 2016, San Francisco, CA
Dr. Phil McKenzie accepts the plaque for hosting APICES 2015 from AAE President, Dr. Terryl Propper
Dr. McClanahan with new ABE Diplomate, Dr. Laura Milroy

7 April 2016

Grossman Reception

AAE 2016
San Francisco, CA
7 April 2016
Grossman Ceremony - AAE 2016, San Francisco, CA
Dr. Laura Milroy receiving her Diplomate pin from ABE President, Dr. Donna Mattscheck
2015 Endodontic Educator FELLOWSHIP AWARD

The Foundation for Endodontics has long believed that educators are at the core of strengthening the specialty. To keep the specialty on the cutting edge, the Foundation is committed to making sure specialists are teaching endodontics at dental institutions across the U.S. and Canada. The Endodontic Educator Fellowship is one way the Foundation is addressing this issue, head on. The award provides funding to individuals who commit a minimum of five years to a full-time* academic career in endodontics at a dental school that is accredited by or has a reciprocal agreement with the Commission on Dental Accreditation of the American Dental Association.

During the 2015 selection and interview process, Samantha Harris Roach, DDS, MS, clinical assistant professor and director of undergraduate endodontics at the University of Minnesota, impressed the committee with her poise and commitment. She has a passion for working closely with students and seeing their knowledge and enjoyment of endodontic theory and practice develop. “Working with dental students in the preclinical course and predoctoral clinic, I realized that, by teaching others, I solidified my passion for endodontics,” she explained.

Teaching allows Dr. Roach to work with students and collaborate with faculty on research. The fellowship award will help Dr. Roach continue her pursuit of lifelong endodontic education without the burden of educational loans. With her heart set on constantly improving the specialty’s future, Dr. Roach is, “committed to maintaining an endodontic program that evolves with current research and standards.”

The Foundation for Endodontics is proud to name Dr. Roach the 2015 Endodontic Educator Fellow.

* Full-time as defined by the employer institution.
Dr. Carolina Rodriguez with Dr. John Ingle at the 14th USC International Endodontic Symposium, Los Angeles, CA 20 Nov 2015
13 November 2015
Residents with Guest Speaker,
Dr. Lamar Hicks (center)
19 September 2015
Dr. Lewis receiving his
Royal College of Dentists of Canada
Pin
27 August 2015
Graduation Ceremony
27 August 2015
Dr. Lewis with the Chief Resident’s Plaque
27 August 2015
Graduation Ceremony
Resident Line Up
Division of Endodontics - Class of 2015 - Graduation Ceremony with guest speaker Dr. Ken Zucker (second from left).
27 Aug 2015
Residents and faculty with AAE President, Dr. Terryl Proper, at the Commons Hotel, Minneapolis. The University of Minnesota hosted APICES 2015. 14 Aug 2015
1st Year Residents Drs. Brown, Schuurmans, Knoll & Reagan Anderson
Day One of Head & Neck Anatomy
30 June 2015
School of Dentistry Graduation
15 May 2015
Division of Endodontics Class of 2015
Drs. Lavasani, Lewis, Tyler & Wiswall
Dr. Brian Barsness
Teacher of the Year
Presented at the School of Dentistry Graduation Awards Ceremony
14 May 2015
9 May 2015
AAE 2015, Seattle, WA
Drs. Lewis and Saylor – 8th Place
Table Clinic Competition
8 May 2015
AAE 2015, Seattle, WA - Grossman Ceremony
Receiving their Diplomate pins from ABE President, Dr. James Johnson
Drs. Turner, Attar & Roach
New ABE Diplomates

Drs. McClanahan, Roach & Bowles

8 May 2015
AAE 2015, Seattle, WA
Grossman Reception
8 May 2015
AAE 2015
Seattle, WA
Poster & Table Clinic Presentations
7 May 2015
AAE 2015 UMN Alumni Reception

Drs. Yoshi Teruchi, Shimon Friedman, Scott McClanahan & Riley Lewis
24 April 2015
Star of the North Dental Meeting
St. Paul, MN
Poster & Table Clinic Presentations
College of Diplomates Board Review Course
28 March 2015
Kansas City, MO
2nd Year Minnesota Residents
Class of 2014
Dr. Carolinia Rodriguez-Figueroa
Clinical Teacher of the Year
Present by the DDS Class of 2016
31 Oct 2014
Graduation
27 Aug 2014
Division of Endodontics - Class of 2014 - Graduation Ceremony
Classes of 2014, 2015 and 2016 with faculty and
guest speaker Dr. Sam Kratchman.
27 Aug 2014
Drs. Peterson, Brezinsky and Chiona “shelving” their MS theses in the Endo Conference Room
27 Aug 2014
APICES, Houston, TX
August 2014
Minnesota Residents
07 August 2014
Residents with Guest Speaker,
Dr. Ben Johnson (center)
1st Year Residents Drs. Finley, Zedler, Saylor & McKenzie
Man the Grill at the Welcome Picnic
12 July 2014
School of Dentistry Graduation
16 May 2014
Division of Endodontics Class of 2014
Drs. Chiona, Peterson and Brezinsky
School of Dentistry Graduation
16 May 2014
Division of Endodontics Class of 2014
Drs. Chiona, Peterson and Brezinsky
with Dr. Harris (above far left)
01 May 2014
AAE Annual Session, Washington, DC

Restoration of Endodontically Treated Teeth with Bonded Cores and Fiber Posts

Endo Residents - Workshop Faculty for Dr. Jorge Perdigao
AAE Annual Session
Grossman Luncheon
1 May 2014
Jeff and Kristi Wiswall
with Dr. McClanahan
putting on his ABE pin.
AAE Annual Session – Grossman Luncheon
Dr. Rick Taylor (far left) presents Dr. Deb Knaup her ABE pin. Stephen and Claus Knaup in support with Dr. Donna Mattscheck on right.
1 May 2014
1 May 2014
AAE Annual Session, Washington, DC
Drs. Brezinsky and Lavasani – 9th Place
Table Clinic Competition
01 May 2014
AAE Annual Session
Washington, DC

Table Clinic & Poster Presentations
28 April 2014
Residents with Guest Speaker,
Dr. Yoshi Terauchi (center)
25 April 2014
Star of the North Dental Meeting
St. Paul, MN
Poster &Table Clinic Presentations
08 March 2014

Dr. Brian Barsness receives his certificate of residency from the endo faculty
08 March 2014
Classes of 2014 and 2015 celebrate with Dr. Barsness
08 March 2014
Dr. Barsness and his partners in crime: Drs. Brezinsky, Chiona and Peterson
11 January 2014
Residents with Guest Speaker,
Dr. Ben Johnson (center)
Endodontic Microsurgery Laboratory Course
31 Oct – 01 Nov 2013
Guest Faculty: Dr. James Johnson,
Dr. John Alleman and Dr. Kathy McNally
Graduation
29 August 2013
Division of Endodontics Class of 2013
Dr. Laura Milroy, Dr. Carolina Rodriguez, and Dr. David Goerig
Division of Endodontics Class of 2013
Dr. Chip Simon (left), Graduation Speaker, with Drs. McClanahan, Bowles and Harris presenting the certificate of residency to Dr. Laura Milroy
29 August 2013
Dr. Milroy accepting the Chief Resident’s Plaque from Dr. McClanahan
29 August 2013
Class of 2013 with assisting staff: Marlene Thell, Ling-Hui Anderson and Alicia Christy
29 August 2013
Classes of 2013, 2014 and 2015
29 August 2013
Residents after CBCT / Surgery Seminar with Guest Speaker, Dr. Chip Simon (center right)
29 August 2013
Division of Endodontics Class of 2013
Dr. Carolina Rodriguez, Dr. Laura Milroy, and Dr. David Goerig
Drs. Milroy, Goerig and Rodriguez “shelving” their MS theses.
Lower right: Dr. Bowles with the Class of 2013.
School of Dentistry Graduation
17 May 2013
Division of Endodontics Class of 2013
Drs. Goerig, McClanahan, Rodriguez, Milroy and Harris
Division of Endodontics Class of 2013
Drs. Goerig, Rodriguez, and Milroy
showing off their dental school “colors”
on their hoods.
Division of Endodontics Class of 2013
Dr. David Goerig, Dr. Carolina Rodriguez, and Dr. Laura Milroy
AAE Annual Session – Grossman Luncheon
Dr. Alan Law (far left) presents Dr. Joe Petrino his ABE pin.
Kristy Petrino and Dr. McClanahan on right.
19 April 2013
18 April 2013
AAE Annual Session
Honolulu, HI

Table Clinic Presentations
Endodontic Microsurgery Laboratory Course
05 - 06 Oct 2012
Guest Faculty: Dr. James Johnson, Dr. John Alleman and Dr. Kathy McNally
Graduation 2012
30 August 2012
Division of Endodontics Graduation Ceremony
Residents from Classes of 2012, 2013 and 2014
Division of Endodontics Class of 2012
Dr. Jason Read, Dr. Nick Anders,
and Dr. Tom Nguy.
Team Building Exercise – 18 July 2012
Endo Perio New Resident Welcome Picnic
09 July 2012
Dr. Sandra Shambarger, Class of 2009, gets a post op image on Kinsey the Sun Bear after root end surgery at the Little Rock, Arkansas Zoo. 
12 May 2012
20 April 2012
AAE Annual Session, Boston, MA
Drs. Nguy and Rodriguez – 7th Place
Drs. Read – 4th Place
20 April 2012
AAE Annual Session
Boston, MA
Table Clinic Presentations

Dr. Read

Drs. Goerig & Anders

Drs. Rodriguez & Nguy
20 April 2012
Drs. Read, Nguy, Goerig and Rodriguez get ready to present their Table Clinics
AAE Annual Session – Grossman Luncheon
Drs. Doyle, Chong, Boda and Ryan receive their Diplomate pins from the American Board of Endodontics
19 April 2012
18 April 2012
AAE Annual Session, Boston, MA

Crown Lengthening Workshop Faculty

Drs. Johnson, Goerig, Nguy, Rodriguez, Boda, Ryan & McClanahan
18 April 2012
AAE Annual Session, Boston, MA

Crown Lengthening Workshop
New American Board of Endodontics Diplomates
UMN Endo Alums Scott Doyle (2004), Mike Tulkki (2006)
Kendra Boda (2008) and Jeff Ryan (2007) celebrate achieving Diplomate status between November 2010 and November 2011. All four of these distinguished alumni served as “Chief Resident” during the second year of their programs.
25 August 2011
Division of Endodontics Graduation Ceremony
Residents from Classes of 2011, 2012 and 2013
Division of Endodontics Class of 2011
Dr. Sara Barsness, Dr. Sami Harris,
Dr. Mark Phillips, and Dr. Andrew Wiswall.
25 August 2011
Division of Endodontics Class of 2011
with faculty, Interim Dean Judith Buchanan and Guest Speaker, Dr. Christine Sedgley (far right)
Minnesota Association of Endodontists meeting with Dr. Sedgley
24 August 2011
Dr. Sergio Kuttler with residents during a WaveOne and GuttaCore lecture and hands-on course.

15 August 11
Perio residents joined the endo residents for the 2011 welcome picnic – 09 July 2011.
Division of Endodontics Class of 2011
Dr. Andrew Wiswall, Dr. Mark Phillips, Dr. Sami Harris and Dr. Sara Barsness
Dr. Joe Camp during a seminar with the residents.
29 April 11
17 April 2011
AAE Annual Session, San Antonio, Tx
Drs. Harris (far left) & Phillips (far right) - 2nd Place
Drs. Wiswall (2nd from right) & Anders (2nd from left) – 8th Place
15 April 2011
AAE Annual Session, San Antonio, TX

Ridge Preservation Workshop Faculty

Drs. Meade, Harris, J. Wiswall, McClanahan, Johnson, A. Wiswall & Phillips
14 April 2011
AAE Annual Session
San Antonio, TX

Table Clinic Presentations

Dr. Barsness

Drs. Phillips & Harris

Drs. Wiswall & Anders
AAE Annual Session – Grossman Luncheon
Drs. Tulkki (2nd from left) and Pesun (far right) receive their Diplomate pins from the American Board of Endodontics
14 April 2011
AAE President, Clara Spatafore, with faculty and residents from the classes of 2011 & 2012.

14 February 2011
24 August 2010
Division of Endodontics Class of 2010
with faculty, Guest Speaker, Dr. Carl Newton (far left) and Dean Patrick Lloyd (far right).
24 August 2010
Division of Endodontics Graduation Ceremony
Class 2010 and their Spouses
24 August 2010
Division of Endodontics Graduation Ceremony
Golf Outing
24 August 2010
Hard at Work in the Grad Room
Apices 2010 Chapel Hill, NC
Drs. Wiswall & Harris
New 1st Year Residents, Drs. Nguy, Anders & Read continue the tradition of grilling the brats at the 2010 welcome picnic
16 April 2010
AAE Annual Session, San Diego, CA
1st Place Table Clinic Winners:
Drs. Brian Meade & Jeff Wiswall
15 April 2010
AAE Annual Session, San Diego, CA
Table & Poster Clinicians
Dr. Sandra Shambarger, Class of 2009 and her root canal patient at the Little Rock, Arkansas Zoo.
15 Jan 2010
Microsurgery Course
06 & 07 November 2009
Residents and Guest Faculty: Dr. James Johnson, Dr. Kathleen McNally and Dr. John Allemang
Dr. Jeff Wiswall in “action” in the Endo Surgery Suite
Drs. Jeff Wiswall and Brian Meade interpret a “CBCT” image in the graduate student’s office
Graduation
25 Aug 2009
25 August 2009
Division of Endodontics Class of 2009 - Drs. Bogle, Shambarger, Petrino and Eggleston with Guest Speaker, Dr. Kenneth Hargreaves
25 August 2009
Division of Endodontics Class of 2009
with faculty and Guest Speaker, Dr. Kenneth Hargreaves
“Welcome Aboard” Picnic
for new residents
11 Jul 2009
New 1st Year Residents, Drs. Barsness, Wiswall, Phillips & Harris in charge of the grilling for the 2009 welcome picnic
School of Dentistry Graduation Ceremony
Endodontics Class of 2009: Dr. Gary Eggleston, Dr. Sandra Shambarger, And Dr. Joe Petrino. Not pictured: Dr. John Bogle.
Drs. Bogle & Eggleston

Drs. Shambarger & Petrino

Table Clinics
AAE Annual Session, Orlando, FL
01 May 2009
Drs. Bogle & Eggleston
3rd Place Graduate Student Table Clinic Competition
AAE Annual Session, Orlando, FL
02 May 2009
Dr. Shambarger, a bit eager to get to school this morning???
26 August 2008
Division of Endodontics Graduation Ceremony
Class of 2008: Drs. Maillet, Boda, Richards, and Van Nieuwenhuyzen
26 August 2008
Division of Endodontics Class of 2008 and faculty with Guest Speaker, Dr. Gary Hartwell (third from right)
26 August 2008
Drs. Maillet & Boda
at the Graduation Day Golf Outing
26 August 2008
Class of 2008: Drs. Van Nieuwenhuyzen, Boda, Maillet and Richards
26 August 2008
Division of Endodontics Graduation Ceremony
Residents from Classes of 2008, 2009 and 2010
“Welcome Aboard” Picnic for new residents
05 Jul 08
New 1st Year Residents, Drs. Meade & Bierma, manning the grill at the 2008 welcome picnic
16 May 2008
School of Dentistry Graduation Ceremony
Endodontics Class of 2008: Dr. Van Nieuwenhuyzen, Dr. Boda, Dr. Richards and Dr. Maillet
1st Place
Graduate Student Table Clinic Competition
Drs. Maillet & Boda

3rd Place
Graduate Student Table Clinic Competition
Drs. Van Nieuwenhuyzen & Richards

AAE Annual Session, Vancouver BC – 12 April 2008
31 Oct 2007

Endo residents in their Halloween Costumes
Endodontic Microsurgery Laboratory Course
26 Oct 2007
Guest Faculty (back row): Dr. James Johnson,
Dr. John Allemang and Dr. Kathy McNally
with the MN residents
Suturing Workshop
27 Oct 2007
Dr. McNally & Dr. Allemang with the MN residents
23 August 2007
Division of Endodontics Graduation Ceremony
Class of 2007: Drs. Attar, McCarthy, Ryan, and Turner
23 August 2007
Division of Endodontics
Graduation Ceremony

Dr. John Olmstead (left)
Guest Speaker
Donated by the Graduate Endodontics Class of 2007