Spring Academy of the German Society of Endodontology and Dental Traumatology 2025

FRÜHJAHRSAKADEMIE DER DGET

ACTA Academic Centre for Dentistry Amsterdam

21–22 March 2025
in Amsterdam at the ACTA
(Academic Centre for Dentistry Amsterdam)

DGET

I Friday, 21 March 2025

CHECK-IN PARTICIPANTS 12:30 – 13:00

SESSION ❶ 13:00 – 16:30 (incl. coffee break, 14:30 – 15:00)

1.1

Lectures

13:00 – 14:30	How to stop the destructive spirale of permanent teeth Dr Jan Berghmans/Brussels (BEL)
14:30 – 15:00	Coffee break
15:00 – 15:45	Dental trauma—first steps, initial treatment Prof. Dr. Asgeir Sigurdsson/New York (USA)
15:45 – 16:30	Guided endodontics in calcified canals Dr Hugo Sousa Dias/Porto (PRT)

1.2

Retreatment of root canal treated teeth (Part I—theory/lecture)
Andreas Braun, M.Sc. Catia Patricio Manilha, M.Sc./Amsterdam (NLD)
The main goal for performing endodontic retreatments will be presented and the importance of intra-oral and intracoronal findings for endodontic therapy will be explained. In this lecture we will navigate through the various diagnostic, decision-making and technical aspects of endodontic (re)treatment. A structured sequence of diagnostics and therapy as well as the use of special aids that contribute to solving endodontic problems will be revisited.

Participation in this course 1.2 is a prerequisite for participation in the courses 2.2 and 3.2.

1.3

Perforation management—MTA—options, alternatives, and limitations
Dr Carsten Appel, Dr David Appel/Bonn (GER)
Perforations during endodontic treatments are often manageable today. In such cases, endodontists turn to the time-tested MTA, but why does this material work so well? Is every MTA always the same? Newer materials promise easier handling and faster setting, but what is behind these claims, and do they really work just as well? What does the scientific evidence tell? The application of these materials can be challenging depending on the individual situation. Which instruments are needed?
The course will discuss the selection of the right material and teach techniques for application in various clinical scenarios during the hands-on section. An overview and plenty of practical tips await you.

1.4

Vital pulp therapy with calcium silicate cements!
Prof. Dr Till Dammaschke/Muenster (GER,) Dr. Miguel Seruca Marques (PRT)
In the absence of microorganisms, the pulp shows good regenerative capacity when capped with materials indicated for vital pulp therapy (VPT) such as calcium silicate cements, e.g. MTA or Biodentine. The success rates of VPT are independent of the age of the patient and the size of the pulp exposure. On the other hand, remaining caries, microorganisms and monomers from filling materials, have a negative influence on success rates, as these lead to inflammation of the tissue. According to current knowledge, VPT is indicated for teeth that only show symptoms of reversible pulpitis. In comparison, the evidence for VPT in teeth with irreversible pulpitis is still comparatively limited. Nevertheless, partial and complete pulpotomy can be regarded as a valid treatment option for irreversible pulpitis and can certainly be considered as an alternative to vital extirpation. Nevertheless, success rates of approx. 80 per cent are realistic when using calcium silicate cements.
In this lecture, the theoretical background to VPT and calcium silicate cements will first be explained. Subsequently, the sequence of procedures necessary to maximise the success of vital pulp treatment with calcium silicate cement will be shown. VPT from a clinical perspective and analyse a series of clinical cases of increasing complexity will be discussed. In a final hands-on part, the VPT with a calcium silicate cement can be practised on special resin teeth.

- Theoretical background of vital pulp therapy (VPT) and calcium silicate cements (Till Dammaschke)
- Clinical examples of VPT from practice (Miguel Marques)
- Hands-on course with resin teeth (Trainy-dent) and a calcium silicate cement (Biodentine, Septodont)

1.5

Effektive repositioning and splinting of traumatised teeth
Associate Professor Dr Ralf Krug/Würzburg (GER)
A unique and special trauma model (Würzburg trauma benchtop model) will be used to discuss the appropriate procedure after dental trauma in acute cases, i.e. severe tooth fractures and dislocations. Using 3D-printed teeth, various scenarios will be simulated and numerous options for quick and easy emergency treatments will be tested, including practical splinting options (when and how to use flexible or rigid wires or the titanium trauma splint). The participants will work and try out how the specific treatment steps, from tooth repositioning to adhesive fragment bonding, can be carried out quickly and effectively. This workshop provides numerous helpful tips and tricks to improve participants skills in emergency dental traumatology management and treatment from splinting to the defect-free splint removal at the follow-up appointment.

1.6

Techniques and strategies for succesful negotiation of calcified canals
Aukje Bouwman, M.Sc., Machteld Siers, M.Sc, Dr Joerd van der Meer/Nijmegen (NLD)
Root canal calcification/obliteration is quite common in cases of chronic irritation of the pulp. Often, the tooth remains vital and further treatment is not necessary. However, sometimes the pulp becomes necrotic and apical periodontitis develops. When root canal treatment is necessary, it can be difficult to localise the root canal entrance and negotiate the root canal.
During this workshop, we will emphasise different ways to recognise the position of the original root canal. Using prepared CBCT images of an upper jaw with an incisor containing an obliterated root canal, the participants will be trained to design a printable guide with free software on their own laptop.

18:30 EVENING EVENT

Friday evening dinner with BBQ.
Location: De Veranda
(Please note your participation on the registration form.)

I Saturday, 22 March 2025

SESSION ❷ 09:00 – 12:30 (incl. coffee break, 10:30 – 11:00)

2.1

Lectures

09:00 – 09:45	Artificial intelligence in endodontics—future perspectives Dr Joerd Van der Meer/Nijmegen (NLD)
09:45 – 10:30	Diagnosis of the pulp status—current status and future perspectives PD Dr Dan Rechenberg/Zurich (CHE)
10:30 – 11:00	Coffee break
11:00 – 11:45	Dentinal cracks—an endodontic and restorative challenge Aukje Bouwman, M.Sc./Nijmegen (NLD)
11:45 – 12:30	Selective retreatment: A legitimate treatment option? Dr Hagay Shemesh/Amsterdam (NLD)

2.2

Retreatment of root canal treated teeth (Part II—hands-on)

Andreas Braun, M.Sc. Catia Patricio Manilha, M.Sc./Amsterdam (NLD)

Recognising problems in conventional endodontic retreatment and taking them into account strategically when planning treatment is a skill that requires training and knowledge. The participants will use extracted teeth already treated to perform the exercises.

The prerequisite for participation in this course 2.2 is participation in courses 1.2 and 3.2.

2.3

Endodontic microsurgery (Part I)

Dr Tom Schloss, M.Sc./Nuremberg (GER)

Endodontology has undergone dynamic and fundamental changes over the past decades. Modern, evidence-based treatment concepts and their consistent implementation have led to significantly higher success rates. The continuing trend towards further training and specialisation as well as numerous material and technological developments, primarily the introduction of the surgical microscope, are decisive factors. At the same time, apical microsurgery has undergone a similar development and has also evolved from traditional apicoectomy, particularly by using the dental microscope and microsurgical instruments and materials specially developed for this purpose. This allows complex anatomical structures to be treated in a minimally invasive manner, which results in significantly higher success rates and more favourable healing processes. If orthograde root canal treatment fails and endodontic retreatment also fails or does not appear promising, microsurgical apicoectomy should be considered. The ongoing development of CBCT also closes an existing gap, both in preoperative X-ray diagnostics and in the planning of the microsurgical procedure.
The course aims to illuminate the range of indications, the significance and, above all, the clinical implementation of microsurgical apicoectomy.

Course contents:

- Etiology of apical periodontitis, indications and contraindications for apical microsurgery
- Preoperative diagnostics and treatment planning
- The dental microscope and microsurgical instruments
- Ergonomics of the surgical team and positioning of the patient
- Clinical procedure „step by step"
- Intentional replantation with extra-oral root tip resection
- Assessment of healing process and success
- Hands-on workshop using a model and a porcine jaw

Participation in this course 2.3 is a prerequisite for participation in course 2.4.

2.4

Treatment of severely compromised teeth (Part I)

Dr Jan Behring, M.Sc./Hamburg (GER)

Dealing with severely compromised/damaged teeth is part of dentist's daily routine. Whereas in the past such teeth usually had to be extracted, modern dentistry now offers a wide range of techniques which, if selected, combined and carried out correctly, can contribute to the successful preservation of a large number of teeth with severe loss of substance. Techniques for preserving vitality, endodontic treatment, subgingival restoration and prosthetic treatment are cross-linked, considering periodontal requirements. The course is intended to teach various techniques for tooth preservation and provide a clinical guide for a successful restoration of severely damaged teeth. Particular attention will be dedicated to the correct case selection, i.e. the question which teeth should be preserved and which should not. In a hands-on part at the end of the course, the techniques taught will be practised.

Content:

- Surgical crown lengthening
- Magnet-extrusion as an alternative to crown lengthening
- Modern composite techniques for the restoration of severely compromised teeth
- Periodontal surgical strategies for tooth preservation
- Surgical defect visualisation for restorations and dental impressions
- Case selection and limitations

Hands-on:

- Proximal box elevation technique/proximal box elevation with composite

Participation in this course 2.4 is a prerequisite for participation in course 3.4.

2.5

Removal of fractured instruments (Part I)

Dr Hugo Sousa Dias/Lisbon & Porto (PRT)

Endodontic treatments often present complex challenges, including the management of separated instruments within the root canal system. This workshop focuses on the techniques and strategies necessary for effectively bypassing and retrieving separated instruments to ensure successful treatment outcomes. Participants will gain hands-on experience in navigating various scenarios encountered in clinical practice, supported by the latest evidence-based approaches and technologies. The session will cover factors influencing the choice between bypassing or retrieval, practical techniques for safe instrument retrieval, and strategies to prevent further complications during endodontic procedures.

Learning objectives:

1. Understand the causes and risk factors leading to instrument separation in endodontic treatment.
2. Learn decision-making criteria for choosing between bypassing or retrieving separated instruments.
3. Master techniques for safely bypassing separated instruments to maintain root canal patency.
4. Develop skills in using ultrasonic and loop devices for instrument retrieval.

This workshop aims to provide participants with a comprehensive understanding of separated instrument management, preparing them to tackle these challenges confidently in their practice.

Participation in this course 2.5 is a prerequisite for participation in course 3.5.

2.6

"Laser in endodontic irrigation"—efficacy, effectiveness & efficiency. What's about the hype?

Prof. Dr Sebastian Bürklein/Muenster (GER),
Dr. Ralf Schlichting/Passau (GER)

Irrigation is an essential part of successful root canal treatment. All agitation and activation systems/devices aim at an effective removal of the intra-canal biofilm, debris and smear layer. Even if no particular method can claim to achieve better clinical healing success, as stated in the ESE guideline (European Society of Endodontology), laboratory studies have documented significantly better cleaning of root canal systems when activation is performed.
The workshop focusses on an enhanced root canal cleaning, debridement and disinfection using new technologies and/or new approaches for root canal irrigation and disinfection.
The use of laser in endodontics is presented from its basics to the clinical application. Furthermore, participants will have the opportunity to test all common methods of agitation and/or activation in simulated, transparent root canal systems filled with artificial biofilm and to view the results directly (manual agitation, sonic and ultrasound-supported irrigation, laser, mechanical systems). Laser devices will be provided for clinical exercises.

Saturday, 22 March 2025

SESSION ❸ 13:30 – 17:00 (incl. coffee break, 15:00 – 15:30)

3.1

Lectures

13:30 – 14:15	How to diagnose and deal with atypical tooth pain? Dr Dr Frank Sanner/Frankfurt am Main (GER)
14:15 – 15:00	RegEndo procedures—current status and future perspectives Prof. Dr Matthias Widbiller/Regensburg (GER)
15:00 – 15:30	Coffee break
15.30 – 17.00	Crown, crown-root and root fractures—endodontic and restorative aspects Dr Marga Ree/Amsterdam (NLD)

3.2

Retreatment of root canal treated teeth (Part III—live surgery)
Andreas Braun, M.Sc. Catia Patricio Manilha, M.Sc./Amsterdam (NLD)
Live retreatment will be performed (by Andreas Braun) and described and explained simultaneously (by Catia Patricio Manilha) so that questions from the audience in between will be answered.

The prerequisite for participation in this course 3.2 is participation in courses 1.2 and 2.2.

The live retreatment can also be visited and booked separately—in dependence of room capacity (prioritisation of people who have booked the entire course).

3.3

Endodontic microsurgery (Part II—hands-on course)
Dr Tom Schloss, M.Sc./Nuremberg (GER)

The prerequisite for participation in this course 3.3 is participation in course 2.3.

3.4

Treatment of severely compromised teeth (Part II—hands-on course)
Dr Jan Behring, M.Sc./Hamburg (GER)

The prerequisite for participation in this course 3.4 is participation in course 2.4.

3.5

Removal of fractured instruments (Part II—hands-on course)
Dr Hugo Sousa Dias/Lisbon & Porto (PRT),
supprted by: Prof. Dr Sebastian Bürklein/Muenster (GER)

Prerequisite for participation in this course 3.5 is participation in course 2.5.

3.6

Minimally invasive endodontics (MIE)/access cavity preparation
Prof. Dr Asgeir Sigurdsson/New York (USA)
The concept of minimally invasive dentistry is a fairly new concept, following the recent literature. This procedure aims to maximise the preservation of residual tooth structure, as it may be an effective way to reduce the incidence of tooth fractures after treatment. However, other statements contextualise this aspect and emphasise that the main goal of endodontic treatment, sufficient chemo-mechanical preparation of the entire root canal system, is more challenging when using minimally invasive approaches. Additionally, the technique requires specific and appropriate tools such as ultra-flexible instruments, visual magnification, superior illumination, and precise knowledge about tooth and root canal anatomy.
This workshop will give you an idea of the technical procedures of minimally invasive endodontics in different clinical situations, highlight their limitations and define how far minimally invasive clinicians should go to ensure gold standard endodontic treatments.
Keywords: access cavity (traditional, conservative, ultra-conservative, Ninja, Truss), outline opening, straight line access, root canal preparation

Notes on registration

UP TO 12 CREDIT POINTS
12
HOURS VERIFIABLE CPD

Please note that you can take part in a total of **three courses, one of which is theory.**

Courses 1.2, 2.2 and 3.2 can only be booked together.

Courses 2.3 and 3.3 can only be booked together.

Courses 2.4 and 3.4 can only be booked together.

Courses 2.5 and 3.5 can only be booked together.

Theory	**1.1**	(Friday)	**2.1**	(Saturday)
	1.2	(Friday)	**3.1**	(Saturday)
Hands-on	**1.3**	(Friday)	**2.2 + 3.2**	(Saturday)
	1.4	(Friday)	**2.3 + 3.3**	(Saturday)
	1.5	(Friday)	**2.4 + 3.4**	(Saturday)
	1.6	(Friday)	**2.5 + 3.5**	(Saturday)
			3.6	(Saturday)

Make a note of the numbers of the courses you have chosen on the registration form. We may ask you to indicate an alternative course if the one you have chosen is already fully booked.

With generous support of:

Here could be your Logo.

Organisational matters

VENUE
Academic Centre for Dentistry Amsterdam
Gustav Mahlerlaan 3004
1081 LA Amsterdam, Netherlands
www.acta.nl

CONGRESS FEES

(All prices without VAT.)

Basic fee | Lectures (theory)	€300
Additional fee | Workshop (hands-on)	€300
Conference fee (ACTA)	€127

EVENING EVENT
Friday, 21 March, 18:30
Cost per person €37,50
The price includes the BBQ grill buffet. Drinks on a self-pay basis.

Location: De Verandra
Amstelveenseweg 764
Amsterdam, Netherlands
www.deveranda.nl

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Online registration: www.dget-fruehjahrsakademie.de

General terms and conditions

1. Congress registration takes place online. For organizational reasons, r egistration is preferable as early as possible. Congress admissions will be made in order of registration. Limited availability in the course program.
2. The organizer of the DGET-Spring Academy is the DGET (German Society for Endodontology and Dental Traumatology e. V.). The Organiser is the OEMUS MEDIA AG.
3. After receipt of your registration by OEMUS MEDIA AG, the congress registration is binding for you. You will promptly receive a booking confirmation and the invoice. For hosts and organizers, the booking is only binding upon receipt of your payment.
4. The participation fees shown at the time of booking apply.
5. The fees shown for students are only granted to students of medicine/dentistry in their first-degree program with proof. This does not apply to second degree Master's programs and/or comparable postgraduate programs and trainings.
6. You will receive your invoice by e-mail. The total invoice is due no later than 2 weeks before the start of the congress (receipt by OEMUS MEDIA AG), stating the customer and invoice number.
7. Cancellation of participation in the congress is generally possible. Depending on the time of cancellation, different fees will be charged. Cancellations up to 4 weeks before the start of the congress are subject to a cancellation fee of €50 gross. Cancellations up to 21 days before the start of the congress are subject to a cancellation fee of 50% of the invoice amount. In the event of a later withdrawal, the cancellation fee is 100%. Participation is transferable to another person.
8. If the congress is under- or overbooked or if a congress is canceled at short notice or the congress venue is changed, you will be notified as soon as possible. The organizers shall not be liable for any costs arising from the cancellation of a congress or change of congress venue. The invoice amount already paid by you will be refunded immediately.
9. The organizers expressly reserve the right to make changes to the program schedule. Neither is liable for the content, implementation and other general conditions of a congress.
10. Video and photo recordings will be made by the organizer during the congress, courses and workshops. These are used, among other things, for reporting and for the advance announcement and marketing of future events in social networks, the press and in print products.
11. By registering, the participant accepts the terms and conditions for the DGET- Spring- Academy.

Spring Academy of the DGET 2025

Registration form via fax to
+49 341 48474-290

or by e-mail to
event@oemus-media.de

Online registration

www.dget-fruehjahrsakademie.de

I would like to register the following persons for the Spring Academy of the DGET on **21–22 March 2025** in Amsterdam.
(Please mark accordingly):

	❑ Lecture 1.1 ❑ Workshop ..... Alternative	❑ Lecture 2.1 ❑ Workshop ..... Alternative	❑ Lecture 3.1 ❑ Workshop ..... Alternative .....
Person 1: title | first name | last name	SESSION 1	SESSION 2	SESSION 3
	❑ Lecture 1.1 ❑ Workshop ..... Alternative	❑ Lecture 2.1 ❑ Workshop ..... Alternative	❑ Lecture 3.1 ❑ Workshop ..... Alternative .....
Person 2: title | first name | last name	SESSION 1	SESSION 2	SESSION 3

❑ Evening Event (Friday, 21 March): ..... (# of persons)

Stempel

I am hereby agreeing to the general terms and conditions of the Spring Academy of the DGET.

Date | Signature

E-mail address (Please declare, you will receive the invoice and certificate via e-mail.)