 

**International Resident Course**

**in Micro-Endodontics**

**4-Day Course**

**Basic Micro-Endodontics: Introduction to the Elements of Micro-Endodontics**

**Department of Restorative Dentistry and Endodontology**

**Osaka University Dental Hospital**

**MAIN COURSE TITLE**

Training Course in Micro-Endodontics 4-Day Course

Basic Micro-Endodontics: Introduction to the Elements of Micro-Endodontics

**TRAINING NEEDS**

Osaka University Dental Hospital invites dental practitioners to participate in a new clinical hands-on short course in Micro Endodontics. The aim of this course is to develop your endodontic operative skills with a focus in root canal treatments using a dental microscope. You will gain clinical experience by treating a range of challenging endodontic cases in the clinical facilities of the Osaka University Dental Hospital, under supervision of highly experienced staff, including specialists in endodontics and conservative dentistry.

The course will commence with a 3-day hands-on clinical skills component, covering all aspects of endodontics including assessment, using the endodontic microscope, isolation, access preparation, canal preparation with hand and rotary files. In the latter part of the course, participants will have opportunities of observing our clinics and discussing challenging endodontic cases.

Upon satisfactory completion of the course you will be issued with a certificate in advanced endodontic practice acknowledging the knowledge and experience gained in terms of content and number of hours

**COURSE OBJECTIVES**

Through the training course, participants will be expected to:

1. Understand the importance and effectiveness of using a dental microscope in

endodontic treatments

1. Learn a step-by-step clinical approach to Micro-Endodontics through practical

training using a dental microscope.

**DEADLINE FOR APPLICATION**

**NUMBER OF PARTICIPANTS**

5

**LANGUAGE**

English

**REQUIREMENT FOR APPLICATION**

Applicants should:

1. be graduates of a university-level dental or medical school,
2. be staff members (teaching and/or research) of a dental or medical school, or equivalent institution, e.g. dentists, or doctors specializing in dentistry,
3. have served at university or equivalent institution for over three years,
4. be at present specializing in endodontics, or hereafter intending to specialize in endodontics,
5. have basic knowledge and skills of endodontics
6. have sufficient command of spoken and written English,
7. be in good health, both physically and mentally,
8. not be serving in the military.

**TRAINING INSTITUTION**

Department of Restorative Dentistry and Endodontology

Osaka University Dental Hospital

1-8 Yamadaoka, Suita, Osaka 5650871 JAPAN

**LOCAL COSTS and ACCOMMODATIONS**

Local costs, such as accommodation, meals, and other personal expenses shall be

the responsibility of each participant.

**COURSE FEE**

( ) Japanese Yen

**NOTES**

The Faculty of Dentistry was established in 1951 as the first dental school among Japan’s national universities to promote both instructor training and research in dental science and dental health education. The Graduate School was established in 1960.

Sixty students are accepted by the Faculty of Dentistry each year. The students pursue three semesters of pre-dental general education on the Toyonaka Campus, followed by nine semester of basic and clinical dental science in the Faculty of Dentistry and the Dental Hospital on the Suita Campus (total six years).

The faculty building on the Suita Campus was completed in 1983. It has been designed to accommodate a full program of education, research and patient care, and provides laboratories as well as clinical and classroom facilities for the Dental School and the Graduate School.

At present, the Faculty of Dentistry comprises academic 22 chairs and a Research Resources Center: 8 chairs for basic dental science and 13 for clinical dental science including Oral and Maxillofacial Radiology.

**TIMETABLE**

**Day 1**

**AM: Lecture ①**

Basic understanding for operating a dental microscope

Historical background

Details and functions of a dental microscope for clinical use

Dental chair unit incorporating a microscope

Magnification – potential of a clinical microscope

Devices and instruments used in micro-endodontics

Tips for operating a dental microscope

**AM: Practical Trainings ①**

Getting started using a microscope

Adjustments

Positioning

Basic motions

Lunch

**PM: Lecture ②**

Principles of root preparation using a dental microscope

Clinical procedures from access cavity preparation

to enlargement of an orifice of a root canal

**PM: Practical Trainings ②**

Endodontic treatments of incisors and premolars.

Preparation of an access cavity

Identifying a root canal orifice

Enlargement of a root canal orifice

Shaping a root canal with NiTi files

Endodontic irrigation using an ultrasonic device

Observation of an apex

Feedback and discussion

**Day 2**

**AM: Lecture ③**

Best use of a dental microscope in treating molars with complicated configurations

**AM: Practical Trainings ③**

Endodontic treatments of upper molars.

Preparation of an access cavity

Identifying a root canal orifice

Shaping a root canal with NiTi files

Enlargement of a root canal orifice using an ultrasonic device

Endodontic irrigation

Observation of an apex

Lunch

**PM: Practical Trainings ④**

Endodontic treatments of lower molars.

Preparation of an access cavity

Identifying a root canal orifice

Shaping a root canal with NiTi files

Enlargement of a root canal orifice using an ultrasonic device

Endodontic irrigation

Observation of an apex

Feedback and discussion

**Day 3**

**AM: Lecture ④**

How best to tackle complicated cases: removing fractured instruments, repairing perforations, preparation of a C-shaped root canal, etc

**AM: Practical Trainings ⑤**

Tackling complicated cases

removing fractured instruments

repairing perforations

preparation of a C-shaped root canal

Lunch

**PM: Lecture ⑤**

Endodontic micro surgery

**PM: Practical Trainings ⑥**

Endodontic micro surgery: Apicoectomy of upper central incisors using a dental microscope

Feedback and discussion

**Day 4**

**AM: Join the Clinic of Conservative Dentistry**

Observing endodontic cases using a dental microscope in the clinic

Discussion on endodontic clinical cases presented by applicants

11:30～12:00 **Closing Ceremony**