

SURVEY QUESTIONS FOR MAGNIFICATION SYSTEMS:

SECTION 1 – DEMOGRAPHIC INFORMATION

1- What is your specialty?

Endodontics

Other specialties

2- What is your title?

Endodontist

Post graduate student in endodontics

3- What is your gender?

Female

Male

4- What is your age group?

<35

36-45

46-55

56-65

66<

5- How many years have you been working as a specialist in endodontics?

0-5 years

6-10 years

11-15 years

16-20 years

21<

SECTION 2 – USAGE OF MAGNIFICATION SYSTEMS

6- Do you have a loup in your institution?

Yes

No

7- Do you personally own a loup in your institution?

Yes

No

8- Does your institution have a dental operating microscope?

Yes

No

9- Which magnification systems do you use most frequently during endodontic treatments?

Dental operating microscope

Loupe

Videoendoscope

None

10- What type of loupe do you prefer?

Flip-up

Through-the-lens (TTL)

I don't know the type of loupe I use.

11. What is the magnification rate of your loupe?

×1.5–×3.5

×3.6–×5.5

×5.6–×6.5

I don't know the magnification rate.

12. When did you start using the loupe?

Before specialty training

During specialty training

After specialty training

13- How often do you use the loupe during the following procedures in root canal treatments?

Diagnosis	Never	Sometimes	Frequently	Always
Root canal access cavity	Never	Sometimes	Frequently	Always
Determining canal entries	Never	Sometimes	Frequently	Always
Root canal preparation	Never	Sometimes	Frequently	Always
Root canal filling	Never	Sometimes	Frequently	Always
Adeziv restoration.	Never	Sometimes	Frequently	Always
Managing complications	Never	Sometimes	Frequently	Always

14- Do you perform periapical surgery?

Yes

No

15- What is the magnification rate of your dental operating microscope?

x10 or less

x10-x20

x21-x40

I don't know the magnification rate.

16- When did you start using the dental operating microscope?

Before specialty training

During specialty training

After specialty training

17- How often do you use the dental operating microscope for the following procedures in root canal treatments?

Diagnosis	Never	Sometimes	Frequently	Always
Root canal access cavity	Never	Sometimes	Frequently	Always
Determining canal entries	Never	Sometimes	Frequently	Always
Root canal preparation	Never	Sometimes	Frequently	Always
Root canal filling	Never	Sometimes	Frequently	Always
Adeziv restoration.	Never	Sometimes	Frequently	Always
Managing complications	Never	Sometimes	Frequently	Always

18- Do you perform periapical surgery?

Yes

No

19- Do you use magnification systems during the following procedures in surgical root canal treatments (periapical surgery)?

Incision	Never	Sometimes	Frequently	Always
Flap elevation	Never	Sometimes	Frequently	Always
Bone removal	Never	Sometimes	Frequently	Always
Root-end preparation	Never	Sometimes	Frequently	Always
Root-end inspection	Never	Sometimes	Frequently	Always
Root-end filling	Never	Sometimes	Frequently	Always
Flap repositioning/suturing	Never	Sometimes	Frequently	Always

I don't use loupe or dental operating microscope in surgical root canal treatments.

20- How often do you use magnification systems?

Every day

For special cases

Never

21- Do you think magnification systems increase the success of the treatment?

Yes

No

Sometimes

22- How did you learn to use a dental operating microscope and/or loupe?

With my own experiences

From my colleagues

From courses

With company training

Other

23- Why do you prefer to use magnification systems?

Increased vision

Increased lighting

Increased ergonomics

Preventing eye fatigue

Increased work quality

Other

24- What do you think is the most important advantage of magnification systems in endodontic treatments?

Reducing the number of complications and procedural errors

Easier identification of root canal entrances

Providing better visualization of root canals

Facilitating root canal preparation and filling stages

Facilitating endodontic surgery procedures

Performing procedures with high precision

Shortening treatment time

Preventing iatrogenic errors

Reducing physical fatigue of physicians

Easier storage of data

Patient education

Education of physicians and postgraduate students

25- What do you think is the most important disadvantage of magnification systems in endodontic treatments?

Difficulty in use

Long adaptation period

Extra adaptation for prescription glasses

Headache and eye fatigue

Reduced field of vision

Difficulty in disinfection

Requiring high technical precision in their use

26- Do you use magnification systems as often as you think? If no, what is the most important reason for this situation?

Limited space

Increased treatment time

Patient density

Lack of support from auxiliary personnel

Lack of training and experience

I do not often use magnification systems in my endodontic treatments.

27- In which of the following procedures do you use magnification systems (dental operating microscope or loupe) to what extent?

Loope during root canal treatment	0%	25%	50%	75%	100%
Loope during surgical root canal treatment (periapical surgery)	0%	25%	50%	75%	100%
DOM during root canal treatment	0%	25%	50%	75%	100%
DOM during surgical root canal treatment (periapical surgery)	0%	25%	50%	75%	100%

28- What is your field of work and do you use magnification systems?

Private sector - I use magnification systems.

Private sector - I do not use magnification systems.

Oral and Dental Health Center/Hospital - I use magnification systems.

Oral and Dental Health Center/Hospital - I do not use magnification systems.

Faculty of Dentistry - I use magnification systems.

Faculty of Dentistry - I do not use magnification systems.

SECTION 3 – FINANCIAL ASPECTS OF MAGNIFICATION SYSTEMS

29- How do you price treatments where magnification systems are used?

I charge the same as treatments without using magnification systems.

I include the cost of magnification systems in the treatment fee but charge more than usual.

I charge an additional fee specifically for using magnification systems.

30- If you charge an additional fee for your patients, what is the average increase?

10-20% increase compared to the standard price for root canal treatment.

20-50% increase compared to the standard price for root canal treatment.

More than 50% increase compared to the standard price for root canal treatment.

I do not charge extra.

31- What is the average current price of the loupe in your clinic?

Less than €310

€310 - €1250

€1270 or more

I don't know the price.

We do not have a loupe in our clinic.

32- What is the average current price of the dental operating microscope in your clinic?

Less than €12,500

€12,500 - €25,000

€25,000 or more

I don't know the price.

We do not have a dental operating microscope in our clinic.

33- If you own a dental operating microscope in your clinic or private practice, how many years does it take to recover its cost through extra charges or increased patient preference?

Less than 1 year

1-2 years

3-4 years

5 years or more

We do not have a dental operating microscope in our clinic.

34- When purchasing a magnification system, which feature did you prioritize most?

Price

Magnification rate

Depth of field and width of field

Resolution

I did not purchase a magnification system.