Penn Endo Surgical Documentation Guidelines

Bekir Karabucak, DMD, MS
University of Pennsylvania
School of Dental Medicine
Dept. of Endodontics
Penn Endo Surgery Documentation Guidelines

Surgery Site Before Removing Flap

Pictures should be taken after anesthesia.

**Surgical site**

*Purpose:* To show the surgical site, tissue whitening, status of teeth.

**Probing**

*Purpose:* To show probing depths, any abnormal appearance, sinus tract.

Magnification: Low (4x)
Surgical site

Purpose: To show the surgical site, bone fenestration, granulation tissue, root fracture, location of mental foramen.

Area of interest should be centered and well focused.
Pictures taken after methylene blue application. Pictures with direct vision and through mirror.

**Resected Root Surface, Root-end Preparation**

**Purpose:** To show resected root outline, canal anatomy, missed canals, isthmus, root fracture, root-end preparation, root-end filling.

Images should show entire PDL around resected root surface and all canals. Focus is on root surface.
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Surgery Site After Removing Flap

Pictures taken after methylene blue application.
Pictures with direct vision and through mirror.

Root-end Preparation

Purpose: To show the orientation and the angle of ultrasonic tip preparing the canal.

Root-end preparation is done under low magnification, ultrasonic tip should be aligned with the long axis of the root towards the crown. Angle of ultrasonic tip should be aligned in a way that canal preparation will the original canal direction.
Anatomical Details

Purpose: To show mental foramen, sinus opening and protection.

- Sinus membrane
- Sutured cotton pellet
- Accessory mental nerve
- Groove preparation with Piezotome to protect mental nerve
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Surgical site

Purpose: To show the surgical site, osteotomy size, bone grafting material.

Magnification: Low- Mid (4x-10x)
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Surgery Site After Suturing, Follow-up

Purpose: To show the surgical site, suturing, soft tissue healing.

Magnification: Low (4x)

Pictures with direct vision and through mirror.
Pictures with a direct angle.

Surgical site
Purpose: To show the surgical site, suturing, soft tissue healing.
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Intentional Replantation
## Penn Endo Surgery Documentation Guidelines

### Magnification

<table>
<thead>
<tr>
<th>Non-Surgical Endodontics</th>
<th>Surgical Endodontics</th>
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</table>
| **Low Magnification ~ 4x** | orientation  
inspection of surgical site  
initial osteotomy  
ultrasonic tip alignment  
suturing (6.0+)  
suture removal |
| **Mid Magnification ~ 10x** | access  
orifice identification  
fracture identification  
obturation  
hemostasis  
tissue removal  
root-tip identification  
root-tip resection  
root surface inspection  
root-end preparation  
root-end filling  
root amputation |
| **High Magnification ~ 20x** | orifice identification  
fracture identification  
calcified canal location  
identification of fine anatomical details  
documentation  
root surface inspection  
root-end preparation inspection  
root-end filling inspection  
identification of fine anatomical details  
documentation |
Dear Dr. [Referring Dentist]

Re: [Tooth #]  
Date: [Date]

Treatment notes

Doctor’s Name

Courtesy Dr. S. Kratchman