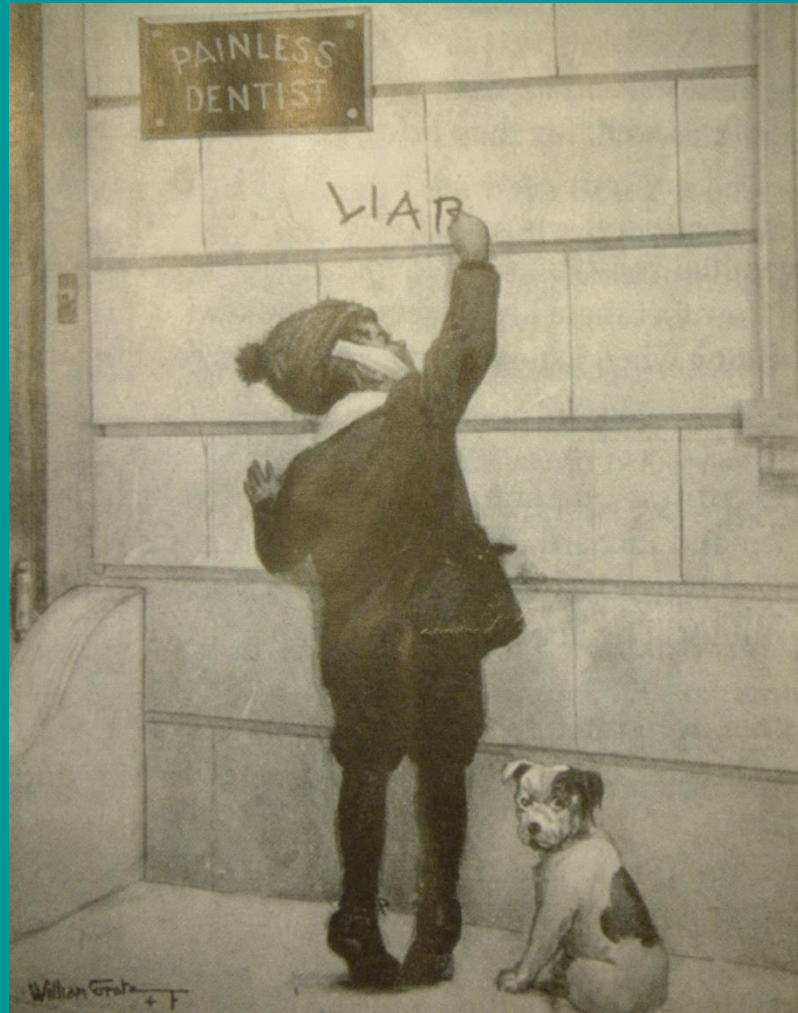


ENDODONTIC EMERGENCIES



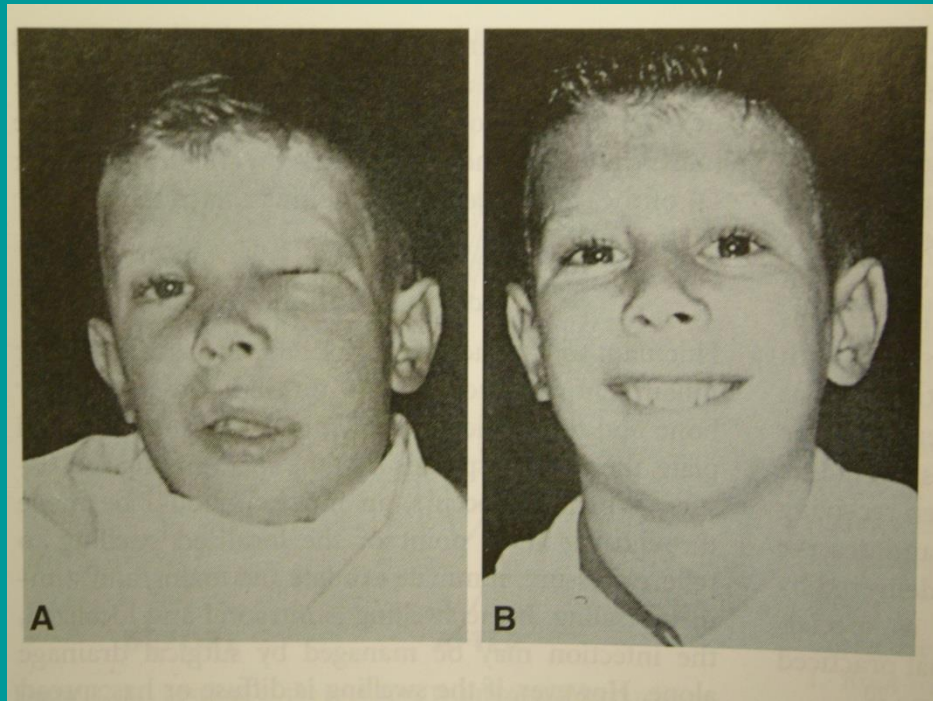
Endodontic emergencies: acute cases

- severe pain
- swelling



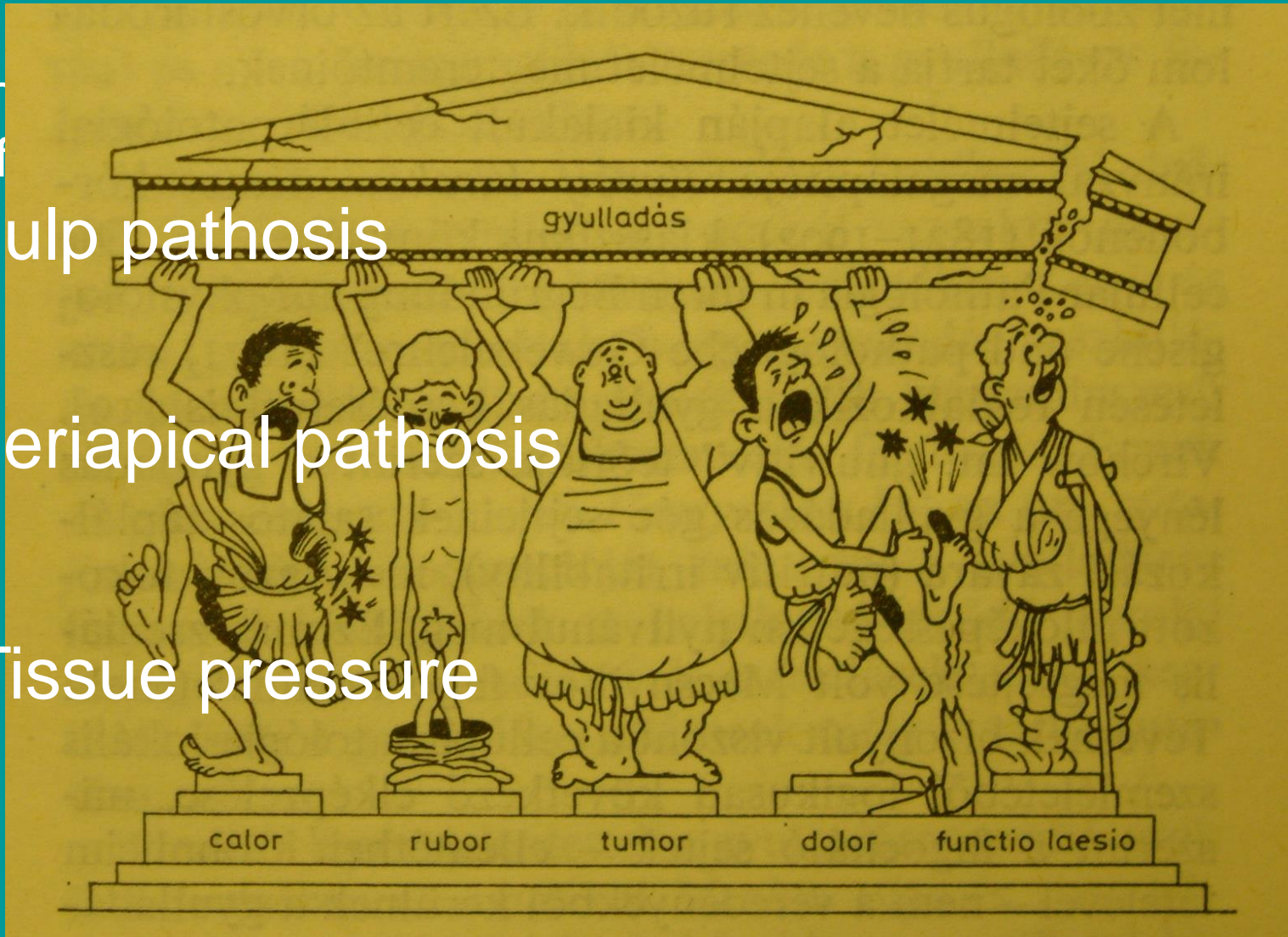
Management of endodontic emergencies

- Pain
- Swelling **ELIMINATE!!!**
- Inflammation



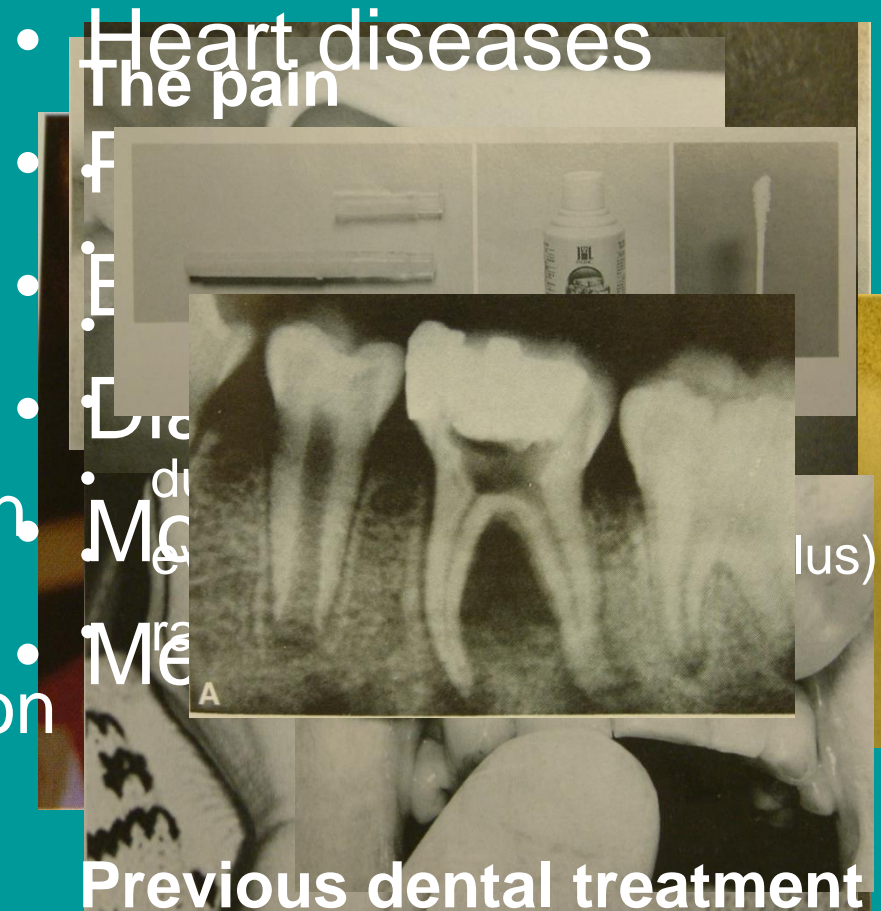
Etiologies

- Th
- inf
- Pulp pathosis
- Periapical pathosis
- Tissue pressure



Diagnosis

- Medical history
- Dental history
- Differential diagnosis
- Pain perception
- Extraoral examination
- Intraoral examination
 - periodontal examination
 - pulp vitality test
- Radiographic examination



Anesthesia

- Inferior alveolar nerve block
- Infiltration or block injection
- Intrapulpal
- Periodontal ligament
- Intraosseous



Swelling

- Pressure increases
- Exudate → The concentration of solution decreases
- pH value decreases

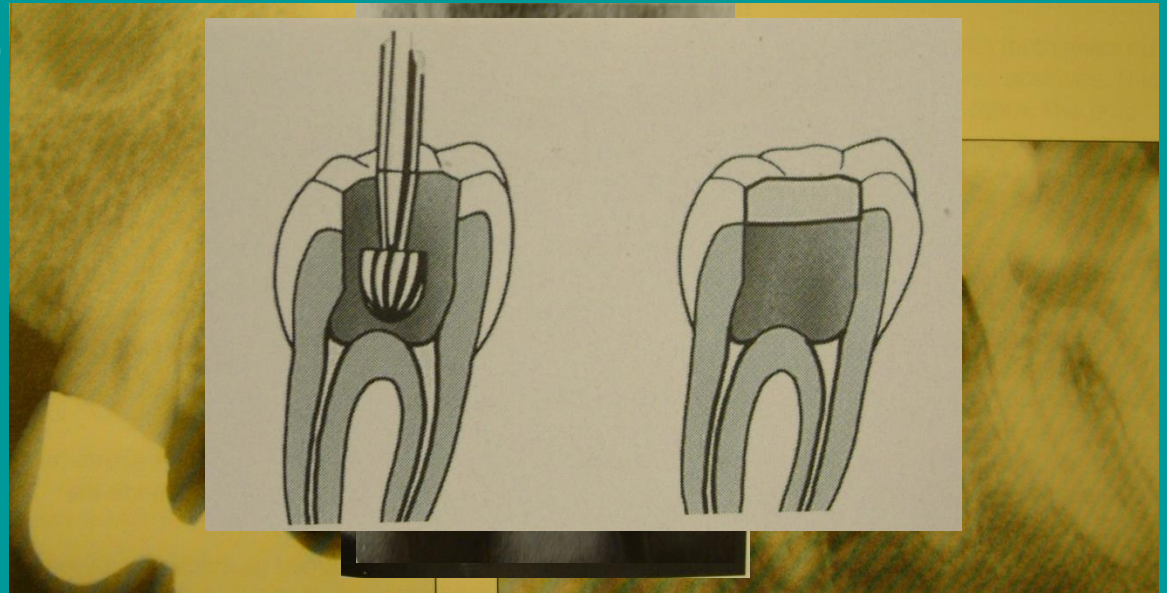
The classification of endodontic emergencies

- **Pretreatment emergency:** emergency prior to endodontic therapy
(inflammatory changes in the pulp, periap.tiss.→ root canal treatment)
- **Interappointment emergency:** emergency during root canal therapy
(the reaction is related to root canal treatment)
- **Postobturation emergency:** problem following obturation requires emergency treatment
(The symptoms may be due to obturation)

Emergency **prior to** endodontic therapy

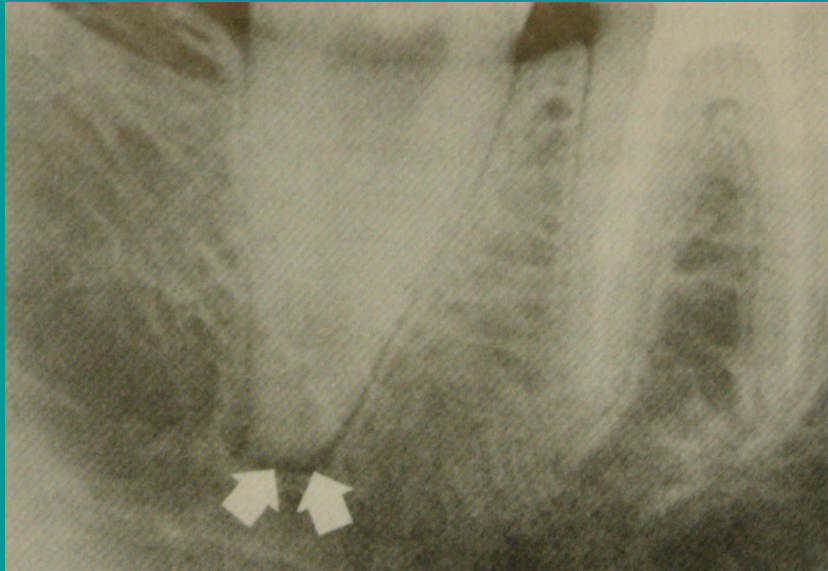
- Pulpal pain without swelling
 - **Irreversibil pulpitis**

Treatment



Emergency **prior to** endodontic therapy

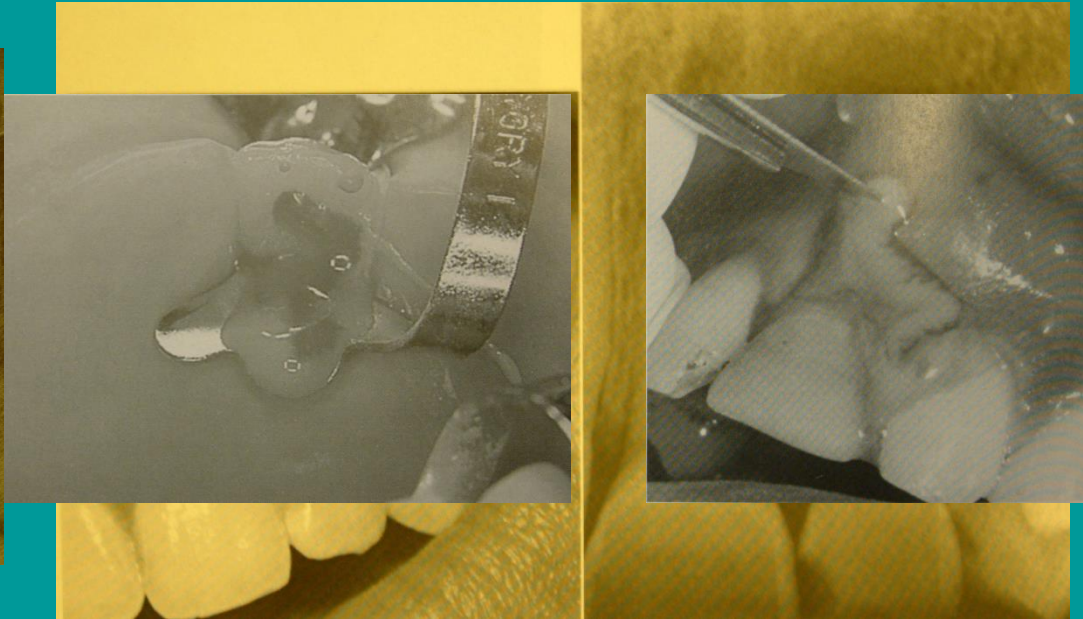
- Pulp necrosis without swelling
 - **Acute apical periodontitis**



Emergency **prior to** endodontic therapy

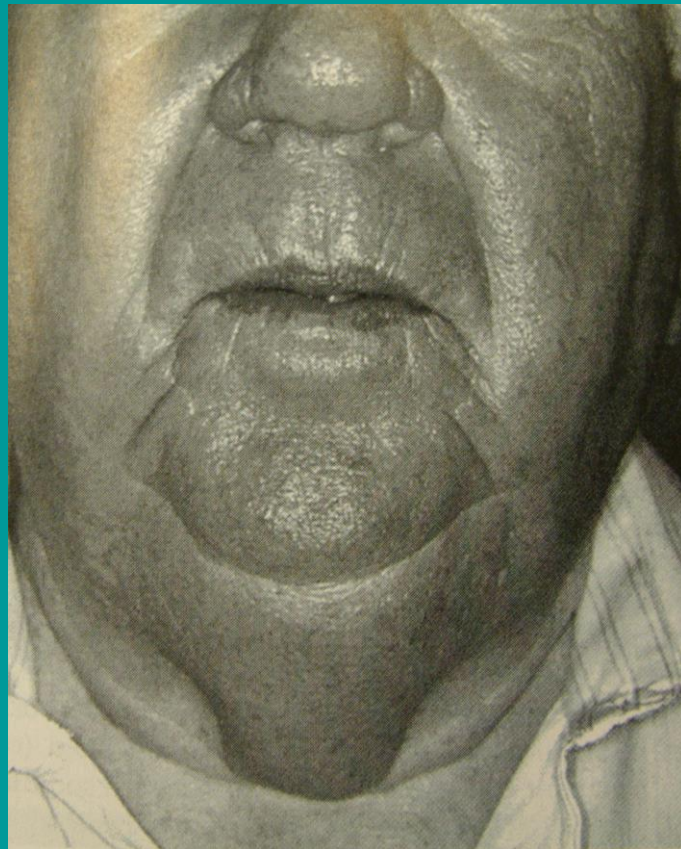
- Pulp necrosis with localised swelling
 - **Acute apical abscess**

Treatment:



Emergency **prior to** endodontic therapy

- Pulp necrosis with diffuse swelling

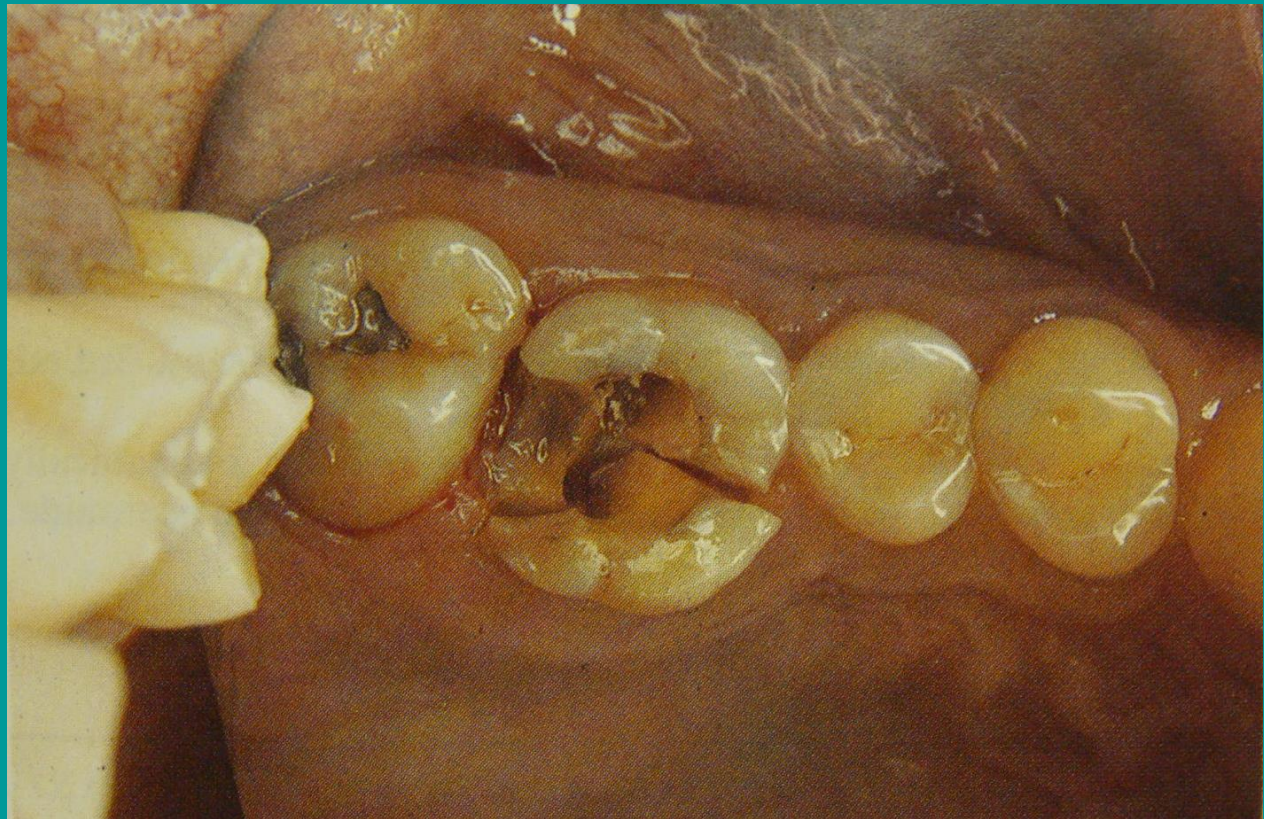


Emergency **prior to** endodontic therapy

- The patient is **after dental treatment**:
 - accidental pulp injury: exposure is microscopical size
 - high filling
 - parodontal treatment

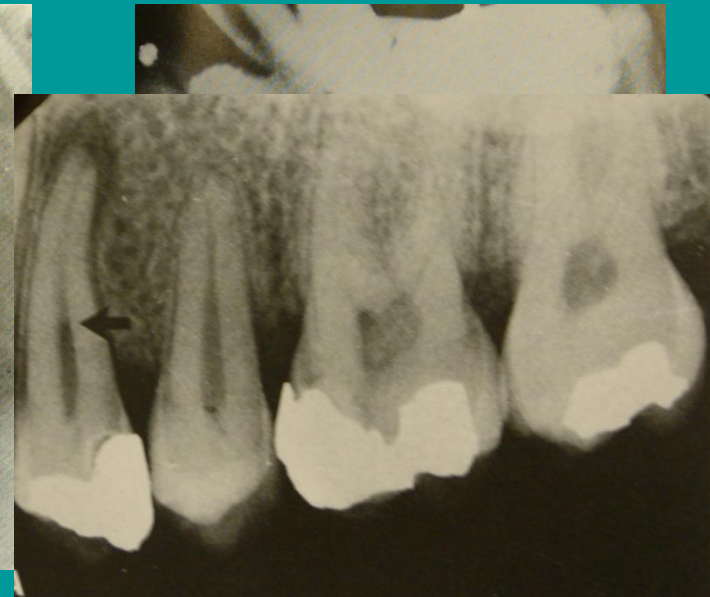
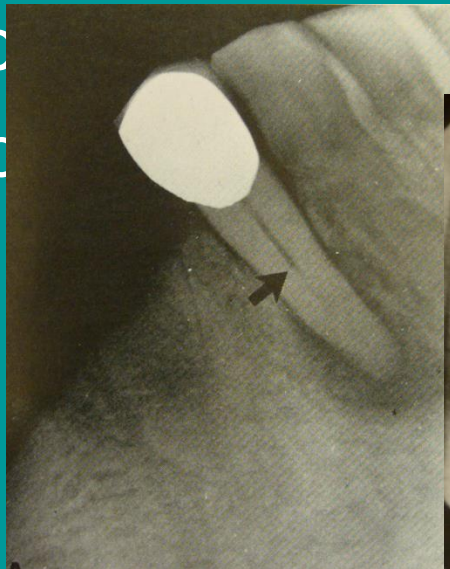
Emergency **during** root canal therapy

- Fractura of crown



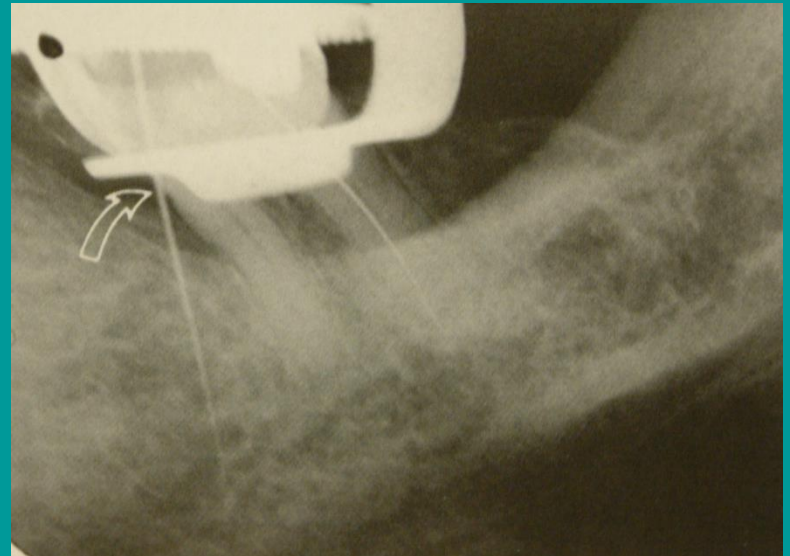
Emergency **during** root canal therapy

- The pain is **after pulp extirpation** :
 - unremovable inflammed pulp tissue
 - undiscovered root canal
 - bifurcation of root
 - irritation of pulp



Emergency **during** root canal therapy

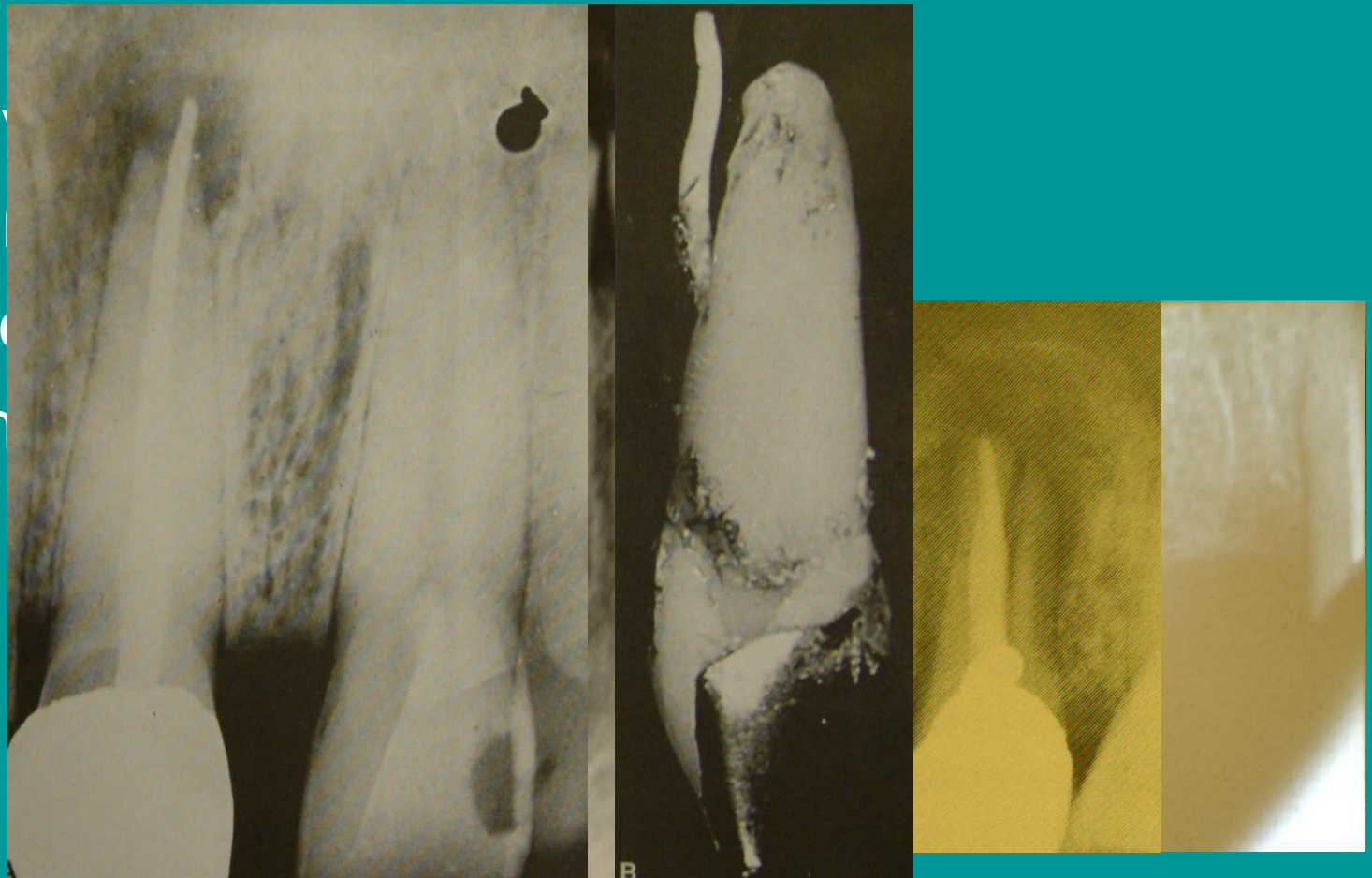
- The pain is **after preparation of root canal**:
 - inaccurate working length
 - extrusion of irrigant
 - endodontic flare-ups
 - perforation



Postobturation emergency

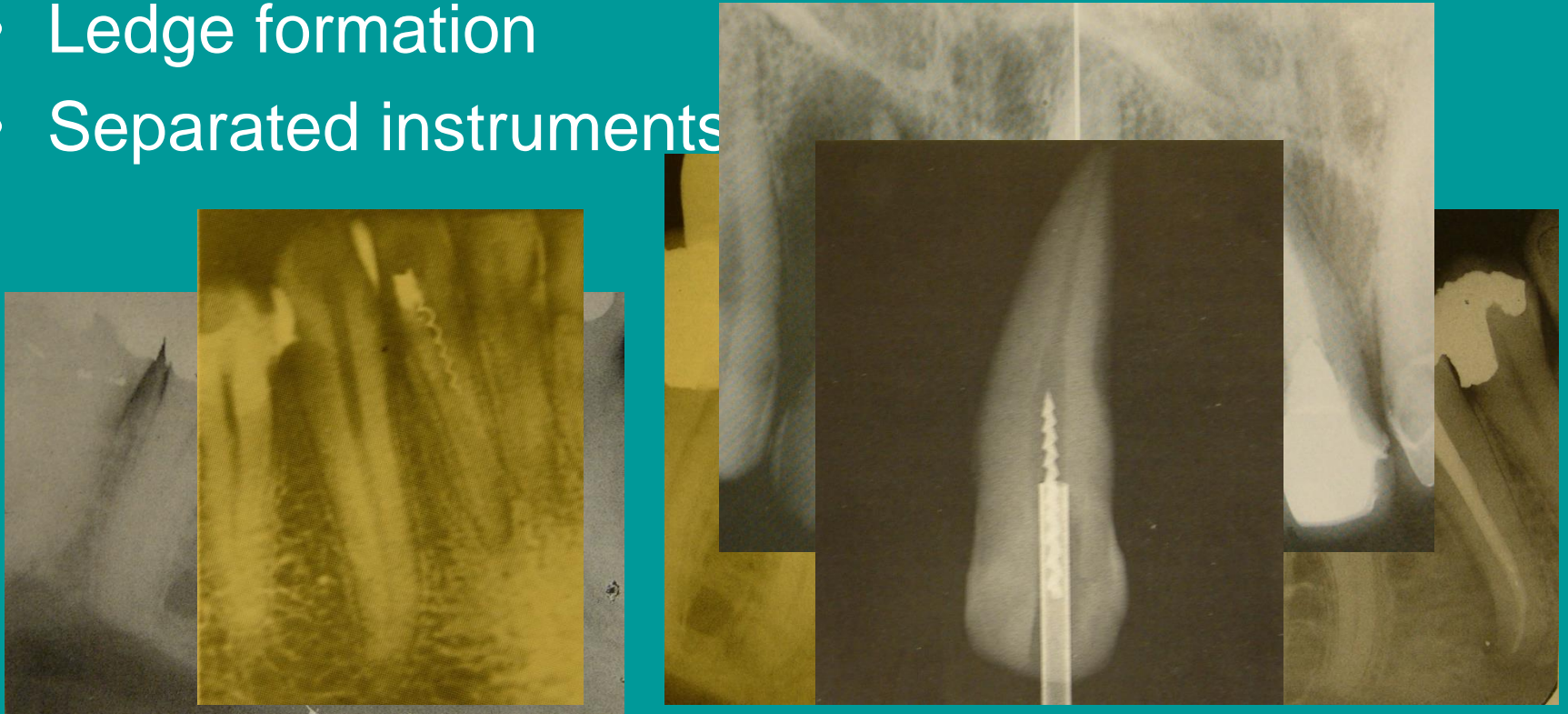
- The pain is **after obturation**:

- O
- U
- V
- in



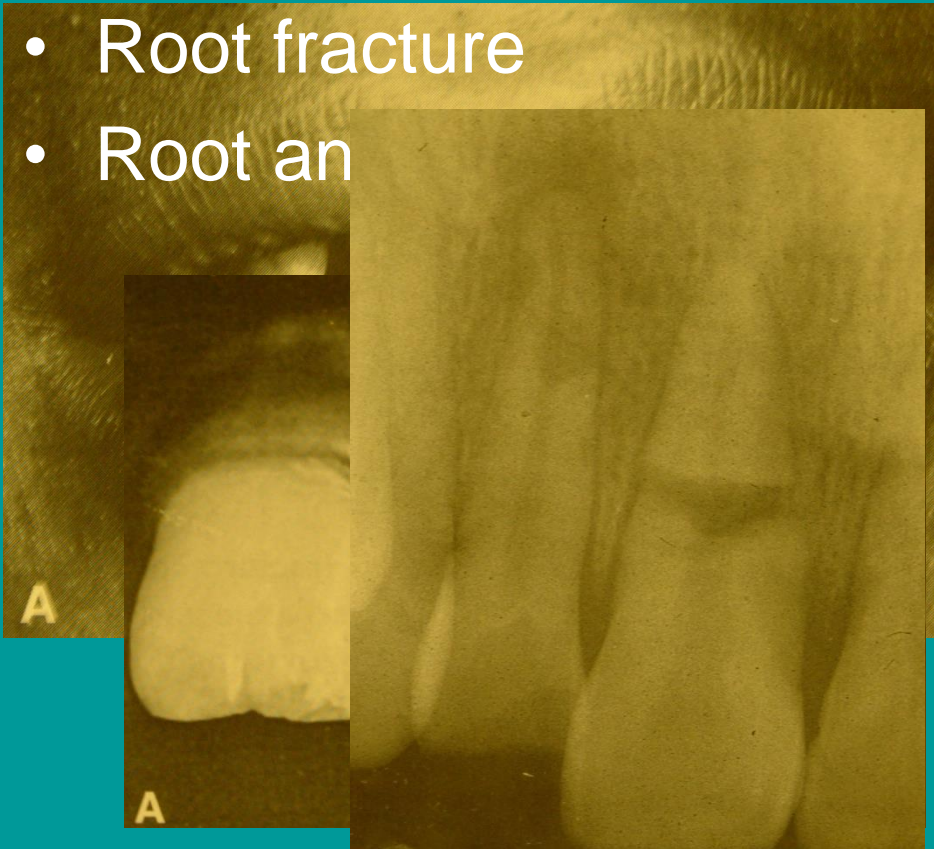
Failures during endodontic therapy

- Retreatment cases
- Ledge formation
- Separated instruments



Emergency after traumatic injury

- Crown fracture
- Root fracture
- Root an



A baby is sitting on a wooden stool, wearing a large watermelon rind as a diaper. The baby is looking directly at the camera. The watermelon rind is cut around the baby's waist and legs, with the green rind visible. The baby's feet are resting on the stool. In the background, there is a tiled wall and a person's arm is visible on the right side. A date stamp is visible in the bottom right corner.

Thank you for your attention!

23 3 2008