



Knowledge of planned restorative treatment

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Learning Outcomes

- Discuss the decision making process in treatment planning.
- Understand the principles of treatment planning in restorative dentistry

Treatment planning

- Collection of information
- Synthesis of information
- Diagnosis
- Treatment plan

General tips

- Need a system
- Stick to it no matter what
- Make a diagnosis
- Follow a treatment plan template

Collection of information

- History
- Examination
- Diagnosis
- Treatment plan

Collection of information

- History
 - Presenting complaint
 - Dental Hx
 - Social / family Hx
 - Medical Hx
- Examination
 - Extra-oral
 - Intra-oral
 - Soft tissues
 - Teeth
 - Occlusion
 - Perio
 - Special Tests
- Diagnosis
 - Diseases
 - Problems
- Treatment plan



Presenting complaint

- In the patient's words
 - *I've got a sore tooth*
 - *I think its on the top right*
 - *Its worse with hot and cold*
 - *It lasts for about a minute*
 - *It doesn't prevent me sleeping*
- For presentation to a colleague / in an examination
 - *The patient has pain in a tooth, possibly on the upper right side, exacerbated with hot and cold stimuli, with a duration of about a minute and not affecting sleep*

History of the presenting complaint

- In the patient's words
 - *I've had this for two weeks now*
 - *Its getting worse as the pain now lasts longer*
- For presentation to a colleague / in examination
 - *The problem has been present for two weeks and is getting worse, increasing in duration*

Past dental history

- How often does your patient clean their teeth?
- Do they floss or practise interdental cleaning?
- Are they registered with a dentist?
- What types of dental treatment have they had?
- Have they had local anaesthetic in the past?

Family dental history

- History of oral disease in the family
 - Periodontal (gum) disease
 - Dental caries (decay)
 - Oral Cancer

Medical History

- Pro-forma or verbal questioning

Social History

- Smoking habits
- Alcohol habits
- Occupation
 - and stress?
- Family circumstances
 - children

Extra-oral Examination

- General appearance
- TMJ
- Soft tissues
- Nodes



Intra-oral examination

- Oral soft tissues
- Teeth
- Periodontium
- Occlusion
- Denture bearing areas
- Dentures
 - hygiene



Special tests

- Photographs
- Study models
 - Mounted (on what type of articulator)
- Radiographs
- Vitality tests
- Biopsy

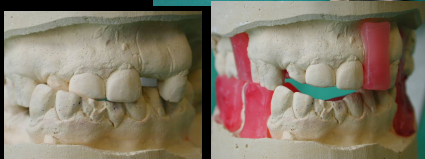
Photographs



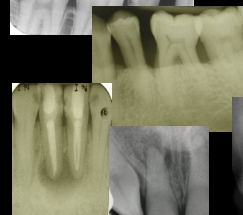
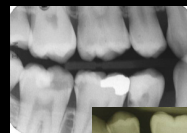
- Pre-operative records
- Medico-legal ?
- Useful for treatment planning away from the patient
- Helpful to communicate with the patient

Study casts

- Examining occlusions
- Trial preparations
- Finding an RCP



Radiographs



- Caries
- Apical pathology
- Fractures
- Periodontal disease

Courtesy Dr M McLuskey,

Diagnoses

- Should encompass all that is wrong with the patient
- Essential to develop a treatment plan
- How can you plan treatment if you can't say what is wrong with your patient?

Diagnosis

- Controversial
- GDC says not in your remit
- You know you do it!
- Office of Fair Trading (OFT) wants direct patient access to therapists
 - GDC doesn't!
- GDC remit is 'identification of disease'
- What is the difference between identification and diagnosis?

Detection vs diagnosis

- Detection
 - the disease / problem is there or not there
- Diagnosis
 - the disease / problem is there or not there
 - the disease / problem is progressing / arrested / regressing
 - bearing the above in mind, I know how I am going to manage this disease.

Diagnosis

- What's wrong?
- Is the disease / problem...
 - Active/progressing/unstable?
 - Arrested/unchanging/stable?
 - Regressing/resolving/clearing- up?
- What are you going to do with it?

Diagnosis



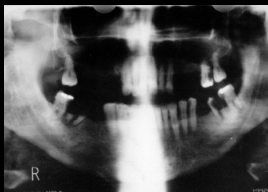
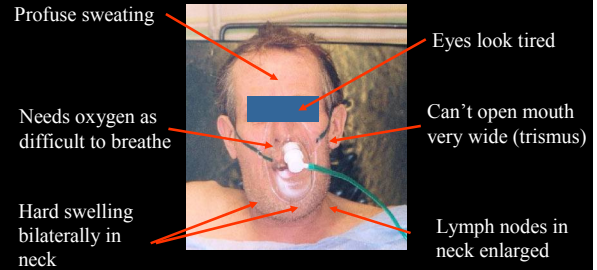
Diagnosis

- What oral / facial diseases does the patient have?
 - Caries /
 - Chronic periodontitis
 - Chronic periapical abscess
- What oral / facial problems does the patient have?
 - Fractured cusp
 - Worn teeth
 - Fractured body of mandible

Diagnoses – develop a system

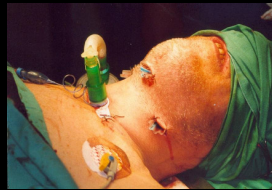
- Generally, diseases are listed before problems
- It is easier to explain to an examiner the patient has
 - caries adjacent to a restoration (CARS) rather than they have a 'defective filling' or,
 - chronic periodontitis rather than 'deep pockets'

Examination



SPECIAL INVESTIGATIONS
Panoramic Radiograph
DIAGNOSIS
Acute Dental Abscess with
compromised airway

TREATMENT PLAN
Tracheostomy
Incision and draining of abscess
Extraction of teeth



Basic principles of treatment planning

Tips

- Develop a pattern
- Follow it as far as possible
- Here are some suggestions.....

Tx planning – basic pattern

- Resolution of acute problems
- Preventive care
- Basic restorative care
- Re-evaluation
- Reconstruction
- Maintenance

Tx planning – alternative pattern

- Immediate care
- Microbial care
- Reconstructive care
- Maintenance care

Different names for the same plan!

Resolution of acute problems	Immediate phase	Immediate
Preventive care	Interim phase	Microbial
Basic restorative care		
Re-evaluation	Re-evaluation phase	
Reconstruction	Reconstructive phase	Reconstructive
Maintenance	Maintenance phase	Maintenance

Resolution of acute problems

- Resolution of dental pain
 - extraction, extirpation
- Dressing large carious lesions
- Ease denture
- Immobilise fracture

Interim phase

- Hygiene phase / cause-related periodontal therapy
- Restoration of carious lesions
- Replacement of defective restorations
- May not progress beyond this phase
 - uncooperative patient
- Palliative care

Re-evaluation phase

- Re-evaluation of response to advice and treatment
 - has oral hygiene improved?
 - has the diet improved?
 - is the patient using F⁻ mouthwash?
 - are there any new caries lesions

Treatment Planning -reconstructive phase

- Reconstruction of oral tissues in the absence of active caries and with a stable periodontium
 - Elective endodontic treatment
 - Further oral surgery or periodontal surgery if req.
 - Crowns, inlays, Veneers
 - Bridgework
 - Partial dentures

Reconstructive phase – periodontal surgery?



Treatment Planning - maintenance phase

- State frequency of further examinations
- Monitoring of suspicious lesions
 - progression / regression of dental caries
 - progression / regression of periapical lesions
- Monitoring of periodontal health
- Review of reconstructive treatment

Case 1



- C/O
- Worn teeth
 - Spaces with missing teeth

Case 1



- O/E
- Mild chronic periodontitis
 - Attrition / abrasion
 - Deep overbite
 - Missing teeth

Case 1 Diagnoses

- Mild chronic periodontitis
- Attrition / abrasion
- Deep overbite
- Missing teeth

Tx Plan

- Immediate
 - Provisional P/-
- Interim
 - Hygiene phase therapy
 - Restorations as required
- Re-evaluation
 - Control of periodontal disease established
- Reconstruction
 - Stabilise occlusion with gold restorations at marginally increased OVD
 - Design and fit gold restorations with design of P/- Cr/Co in mind
 - Construction of P/-
- Maintenance
 - Review OH, periodontal condition, restoration and denture integrity

Case 1



Case 1



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