The Orthodontic Examination



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- Orthodontic diagnosis requires extensive and detailed examination to assessments of the state of the patient.
- Accurate diagnosis is the key to the correct treatment

- Data needed to Orthodontic diagnostic be into three main grouped:
- 1. Information received from patients
- 2. The information obtained from clinical examination
- 3. Examination of diagnostic recordings (dental models, radiographs, photographs)

- Information received from patients: (What is a main complaint?)
- Taken the medical and dental history
- Status of the physical growth
- Evaluation of the patient motivation, expectations, social status and behavior.

Ishik University- College of Dentistry Department of Orthodontic Information form healthy adult nurse

Date:/2010 the name of the physician		
The patient; Name and surrame : Age (year and month); Years Address : Fel: House: Mobile 2:	Mobile 1:	
Health history of the patient:		
Answer the following questions Bello	a circle around the appropriate answer.	
l) Is your health the public good?	Yes, no, I do not inow	
Do you doubt of anything! if your answer is Yes, Please Explain	Yes, so, I do set know	
3) Is it before you enter the hospital, denter? Output Outp	o you have seceived general assisthesia or Againtagay you Yes, no, I do not know	
f) Do you have an alleggy to any subst If your answer is Yes, Please Explai	ance? Yes, no, I do not know	
S) Are any season Talia?	Yes, no, I do not know	
Problems at birth O c Epilepsy O rise anemia O cleft problems in speech and bearing Hepatitis O pr	one of these, Please mask x in front of your patient: ancer O fever, asthma O lip and palate O the ding hemophilia O oblood transfissions O vision problems O oblems in the skin O AIDS or HIV O iver disease O behavior problems O Diabetes O Attention Deficit O	
History of health of the mouth patie () What is that thing in your teeth that	at: distasts you 7	
do not you picked for your teeth? If your answer is yes, remember the	Yes, so, I do set know last date for the film?	
Is there a problem after you treat yo If your answer is Yes, Please Expla		

4) Djd you decay and / or pain in your teeth?	Yes, no, I do not know
 Are your teeth sensitive to heat or to eat? 	Yes, no, I do not know
6) Are your teeth after relieve bleeding gums?	Yes, no, I do not know
7) Do you use teeth brash or garging contains fluoride?	Yes, no, I do not know
S) Is there a sound or pain in the jaw joint?	Yes, no, I do not know
9) Is there a problem when you open your mouth and shut	ap? Yes, no, I do not know
10) which indeed is where the parents of the teeth and face! If your answer is Yes, Please Explain?	
11) Has there been an accident of your teeth?	Yes, no, I do not know
12) Do you sorcery in the jaw or face?	Yes, no, I do not know
	breathing O ag teeth O
14) We need to know any other problem faced teeth?	nonenenenenenenenenenenenenenenenenenen
Do you have any suggestions for treatment?	nararana arangan

Name and surname, which fill out the form; Signature:

ISHIK UNIVERSITY FACULTY OF DENTISTRY/DEPARTMENT OF ORTHODONTICS CLINICAL EXAMINATION FORM

		Date:/201
Do	ctor Name:	200000
Pa	tient Name, Surname;	· · · · · · · · · · · · · · · · · · ·
Th	e main questions:	
a. b. c. d. e. f. 2)	Nasopharyngeal airway: Tonsils (available, been taken, hypertrophic) Adenoids (available, been taken, hypertrophic) Outcome of the nose (Edema/Bleeding) Breathing (Nose/ Mouth)	3) Orthodontic dental evaluation a . Dentition evaluation: - Right molar relationship Class:(1) (2) (3) - Left molar relationship Class:(1) (2) (3) - Right canine relationship Class:(1) (2) (3) - Left canine relationship Class:(1) (2) (3) - Qverjet (mm) - Overbite (mm) - Open bite (mm) - Open bite (mm) - Transverse/Sagittal/ Both - "V" shape maxilla (Yes/No) - Upper incisors locks the lower incisors (Yes/No) - Upper incisors in buccal or lingual versior (Buccal/ Lingual) - Cross Bite (Yes/No) - Cross Bite (Right/ Left/ Bilateral/ Anterior) - Mandible functional dislocation (No/ Right/ Left) - Face midline- maxillar dentition midline (Compatible/ Right/ Left) - Face midline- mandibular dentition midline (Compatible/ Right/ Left) - Maxillar midline — mandibular midline (Compatible/ Right/ Left) - Lip line (Rest position mm) - Smile line (mm)
C.		Appearing gingiva (Rest position mm) Appearing gingiva (Wide Smile mm) 4) Facial asymmetry (Yes/No) Facial asymmetry (Right/Left)
-	Masticatory muscles (Strong/Normal/weak) Buccal muscles (Strong/Normal/weak)	

5) TMJ Evaluation:

TMJ problems.....

- 6) Minor problems:
- Decalcification (Yes/No)

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- Periodontal evaluation

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- Caries evaluation (Yes/No)

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- Hygiene evaluation (Perfect/Medium/Bad):....

- In medical and dental history: ask the patient if he using medication for any reason or not, also asking whether he visit the doctor or not.
- 1. Heart disease
- 2. Rheumatism
- 3. Anemia
- 4. Hepatitis, liver problems
- 5. Diabetes
- 6. Asthma
- 7. Arthritis
- 8. Allergy
- 9. Information are taken about mental and emotional disturbances

Chronic medical problems, orthodontic treatment in adults and children is not contraindicated but it requires some measures to be taken before starting the treatment.

- Chronic medical problems:
- In the presence of cardiac problems / rheumatic fever, prophylaxis is necessary to against the subacute bacterial endocarditis. in these patients antibiotics should be initiated before any procedure (e.g. placement of band) that may cause bleeding.





- Hepatitis, liver problems
- Patient with Hepatitis / liver problems, such as all other branches of Dentistry carry important for the infectivity.
- In patients with diabetes appliances are subject to change the mouth tissue reaction, Periodontal destruction is very quick and required careful monitoring.
- Arthritis: TMJ (temporomandibular joint) problems, and can cause changes in the form of lower jaw Growth.



Allergy

may be in the form of cold acrylic / nickel allergy. In such a case hemorrhage and edema occurs in allergic tissue. When allergy has occurred instead of nickel-titanium material and instead of cold acrylics-warm acrylic can be used.

 Orthodontic treatment is contraindicated in the presence of acute and chronic periodontal disease. - Treatment of patients with cleft lip and palate requires a multidisciplinary approach.

The multidisciplinary team

- Plastic surgeon
- Orthodontist
- ENT specialist
- Speech therapist
- Pedodontist
- Prosthdontist
- Also consists of psychiatric.

- Habits (finger sucking, tongue thrust. Etc.), provides information about the reason malocclusions.
- Dental / facial trauma: It explains the etiology of some orthodontic problems; If there is dental trauma: occlusion may deteriorate, root resorption may be increased. as a result of facial trauma, facial asymmetry may develop.

- Familial facial features, explains some of skeletal problems and genetic problems. Example: excessive mandibular development indicates the transition of genetic, if it seen in the family is seen also in the children.

- 2. Status of the physical growth
- The prognosis in orthodontic treatment are greatly affected by growth.
- Skeletal symptoms of orthodontic problems with appropriate period of time to intervene is in the most growth acceleration.
- Therefore the starting time of growth is very important for orthodontic Treatment Planning.

- Determination of developmental age of the patient are important in understanding how much more growth remain.
- We known a patient's grow will continue until to completed sexual maturition.

- The methods used for the determination of the physical growth:
- The information about the growth rate obtained from the patients.
- Measurements of height and weight

Other methods

- Hand -wrist films
- Cephalometric films

- Growth is evaluating by 3 ages:
- 1. Chronological age
- 2. Dental age: is determined according to the amount of calcification in the permanent teeth. Not give any information about the skeletal development
- 3. Skeletal / bone age: is determined by handwrist films, showes different degrees of calcification of the bones.

- Growth spurt
- In the girls
- Starts between the ages 9.5-10.5
- Finishs between the ages 14-15
- In the boys
- Starts between the ages 10.5-15
- Finishs between the ages 13.5-17.5

Evaluation of the growth by the cephalometric films:



3. An assessment of the patient in terms of social behavior:

Why would you like to be treated?

- Factors that increase the success of orthodontic treatment:
- Patient's believe in the benefit of the treatment
- > Family have a voice on the child
- In adult patients must have realistic expectations about the outcome of treatment

- Patients want to be treated for two reasons
- Correction of the dental and facial aesthetics
- Correction of the occlusion and jaw functions

