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Paper: Orthodontic

BS Dental

Semester 6th

Final exam

Q#1: Describe the procedure for mandibular and maxilla users of acrylic in activator.

Ans: Activator appliances initially started out as one block of acrylic which fit in both maxillary and mandibular arch. The lower arch would see the horseshoe shaped lingual plate acrylic extending from distal of the last erupted molar. In the upper arch, initially the anterior portion is canine, but that was later modified.

→ Con...

As seen with appliances such as bionator appliances which placed its emphasis on the tongue function.

→ Wire:

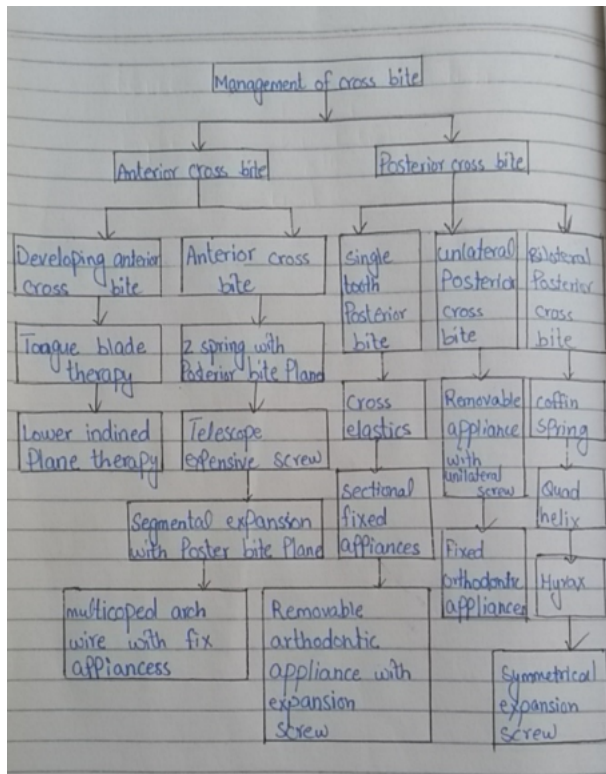
The wire components of activator included a labial bow which was usually placed 1mm away from the front incisor and extended from canine to canine. The bow would be 0.9mm- 0.8mm thick. Additional wire elements were later added to stabilize the appliances. The construction of activator can consist of two types.

1. Horizontal (H) Activator

2. Vertical (V) Activator.

Q#2: illustrate the management of anterior cross bite.

Ans:



Q#3: Summarize the division 1 and division 2 of the class II malocclusion?

Ans: Class II Malocclusion:

The mesiobuccal cusp of the lower first permanent molar occludes distal to the class I position.

Class II division 1:

Condition when class II molar relationship is present with proclined upper central incisor. There is an increase in overjet.

Class II division 2:

Condition when class II molar relationship is present with retroclined upper central incisors, upper lateral incisors may be proclined or normally included. Overjet is usually minimal or may be increased.

Q#4: Demonstrate the recent trend modification of oral screening?

Ans: Modification:

1. The oral screening can be fabricated by a metal ring projecting between the upper and lower lip. This ring can be used to carry out various muscle exercises.

2. In patient who has tongue thrust habit an additional screen is placed to the lingual aspect of

teeth.

3. In case of mouth breather the vestibular screen should be fabricated with a number of hole that are gradually closed in a phase manner.

Q#5: What is finger spring? Why Z spring is called double Cantilever spring?

Ans: •Finger spring:

Palatal finger spring are often used in removable orthodontic appliances to tip teeth in a mesiodistal direction. The purpose of this report is to establish the magnitude of force for finger spring made from different types of wires (i.e those from different manufacturers and of different diameter and lengths)

• Z spring called double Cantilever spring:

The Z spring is also called double Cantilever spring. It is made up of 0.5mm wire. The spring consist of two coil of very small internal diameter. It should be placed perpendicular to palatal surface of tooth.