



Dental Anatomy

Lecture(1)

INTRODUCTION

Dental anatomy is a field of anatomy dedicated to the study of human tooth structures.

Nomenclature

Dent- = tooth or teeth

Dental= anything related to teeth

Heterodont which means different shaped teeth.

Diphyodont_ which means the person who has two sets of teeth; deciduous teeth(primary teeth) and permanent teeth.

The Deciduous Teeth

At birth there are no teeth present in the mouth, but many teeth in various stages of development are found in the jaws.

After birth (post natal period) the eruption of deciduous teeth starts at six months and lasts until two and half years (28 ± 4 months).

The deciduous teeth stay until the permanent teeth erupt at about six years of age when the transition to the permanent dentition begins.

The deciduous teeth are 20 in number. They have the following formula:

$I \ 2 \ 2 \ C \ 1 \ 1 \ M \ 2 \ 2 = 10$ (For each side)

I=Incisors (central and lateral).

C=Canine.

M=Molars (first and second).

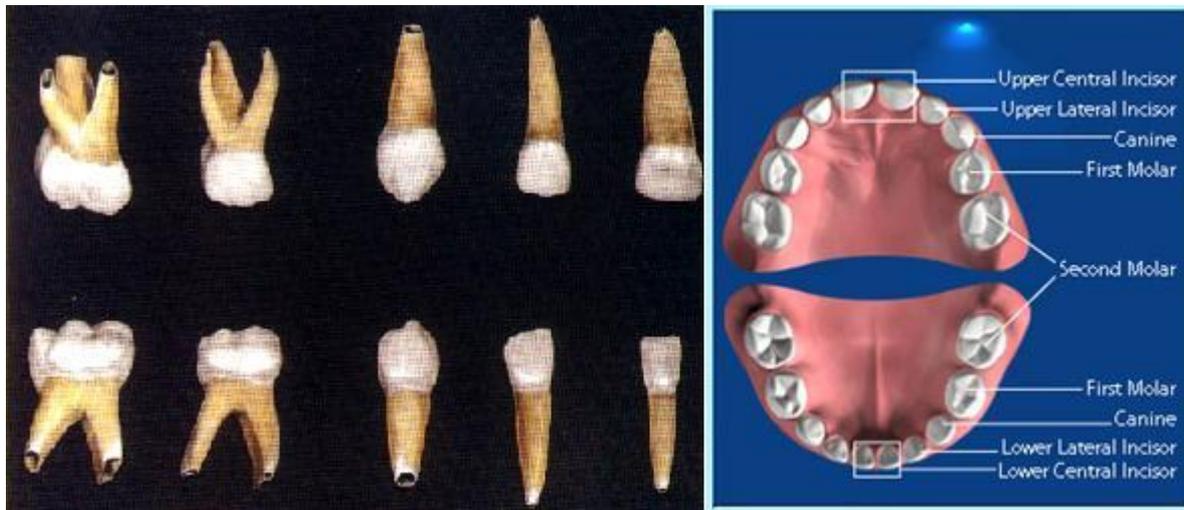


Figure (1):Deciduous dentition

The permanent teeth

The transition to permanent dentition begins with the emergence and eruption of the first permanent molars at the age of six years, followed by shedding of the deciduous teeth and emergence and eruption of the remaining permanent teeth. This process requires about 20 years to be completed. The number of permanent teeth including third molars when present is 32.

$I\ 2\ 2\ C\ 1\ 1\ P\ 2\ 2\ M\ 3\ 3 = 16$ (For each side)

I=Incisors (central and lateral).

C=Canine.

P=Premolars (first and second).

M=Molars (first, second and third).

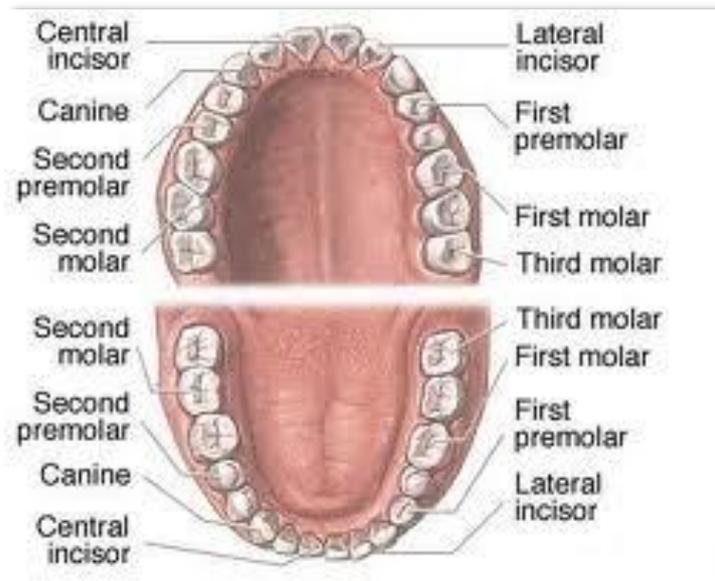


Figure (2):Permanent dentition

Anterior and posterior teeth

Teeth are grouped into:

1. Anterior teeth which include the incisors and the canines.
2. Posterior teeth which include the premolars and molars.

The jaw

The jaw is the bone which carries the teeth. There are two jaws:

1. The upper jaw which is fixed, and is called **Maxilla**.
2. The lower jaw which is movable and is called **Mandible**.

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