

# Dental Anatomy

## Lec. 2

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### Tooth Identification Systems

In any clinical dental practice it is important to make and store accurate dental records. To do so, it is necessary to adopt a type of code or numbering system for teeth. These systems include: -

#### 1. The Universal Numbering System:-





For the *deciduous teeth*, letters of the alphabet from A through T are used. In the maxillary arch, beginning with the right second molar, the teeth are designated by letters **A** through **J**. In the mandibular arch beginning with the left second molar are designated by letters **K** through **T**. The notation for the entire deciduous dentition is: -

A	B	C	D	E	F	G	H	I	J
T	S	R	Q	P	O	N	M	L	K

For the *permanent teeth*, numbers 1 through 32 are used. The maxillary teeth are numbered from 1 through 16, beginning with the right third molar. The mandibular teeth are numbered from 17 through 32 beginning with the left third molar. The entire dentition is designated by the notation: -

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

## 2. The Palmer Notation System

This system divides the arches into quadrants; it utilizes simple brackets to represent the four quadrants of the dentition as if you are facing the patient:  is upper right,  is upper left,  is lower right,  is lower left. In *deciduous teeth* letters of the alphabet A through E represent the teeth in each quadrant beginning with the central incisor. The palmer notation for the entire primary dentition is:-

E	D	C	B	A	A	B	C	D	E
E	D	C	B	A	A	B	C	D	E

In the *permanent dentition* the teeth are numbered 1 through 8 in each quadrant beginning with the central incisor. The palmer notation for the entire permanent dentition is:-

8	7	6	5	4	3	2	1	1	2	3	4	5	6	7	8
8	7	6	5	4	3	2	1	1	2	3	4	5	6	7	8

## 3. The International Numbering system (Federation Dentaire Internationale) FDI

This system uses *two numbers* for each tooth, permanent or primary, the *first number* always denotes the *dentition, arch, and side*, and the *second number* denotes the *tooth* (1 to 8 for permanent and 1 to 5 for deciduous teeth from the midline posteriorly). The first number of the two numbers used in this system is designated as follows: -

- 1: Permanent Dentition, Maxillary, Right Side.
- 2: Permanent Dentition, Maxillary, left Side.
- 3: Permanent Dentition, Mandibular, Left Side.
- 4: Permanent Dentition, Mandibular, Right Side.
  
- 5: Deciduous Dentition, Maxillary, Right Side.
- 6: Deciduous Dentition, Maxillary, left Side.
- 7: Deciduous Dentition, Mandibular, Left Side.
- 8: Deciduous Dentition, Mandibular, Right Side.

The notation for the entire permanent and deciduous teeth: -

For permanent teeth:

18	17	16	15	14	13	12	11		21	22	23	24	25	26	27	28
48	47	46	45	44	43	42	41		31	32	33	34	35	36	37	38

For deciduous teeth:

55	54	53	52	51		61	62	63	64	65
85	84	83	82	81		71	72	73	74	75

End