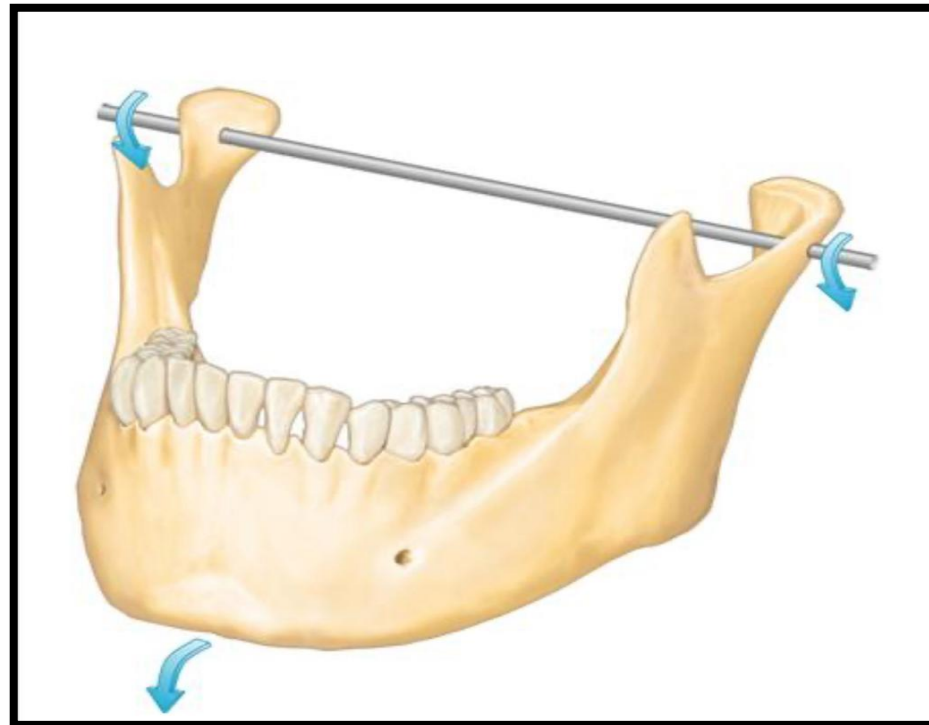




**Horizontal jaw relation and occlusion lec (9)**  
**Presented by Assist lecturer samah khaleel**

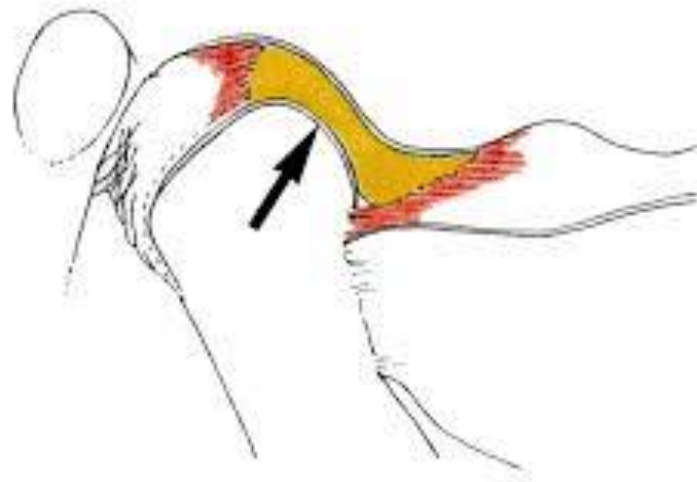
## HORIZONTAL JAW RELATION

**HORIZONTAL JAW RELATION** : It's the relations of the mandible to the maxilla in a horizontal plane. it divided in centric and eccentric relation



# Centric relation

**Centric relation:**-the relationship in which condyles articulate with the thinnest avascular portion of their respective disc with the complex in the anterior superior position against the slopes of articular eminences. This position is independent of tooth contact.



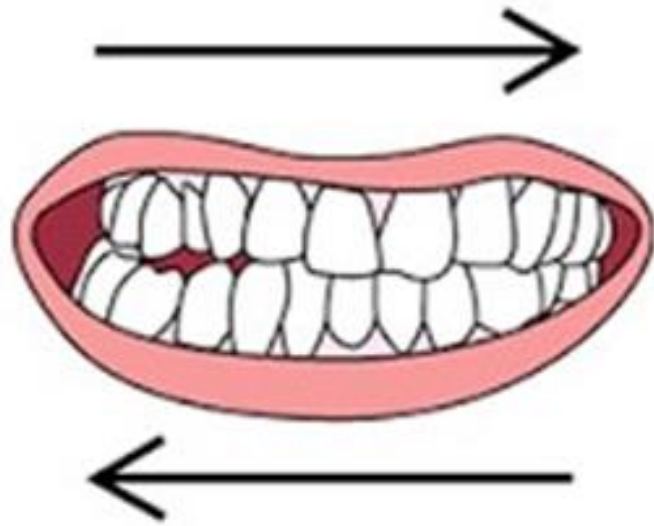
## Importance of centric relation

1- the only position which a patient is able to repeat when loss all his teeth , many individuals are unable to repeat any jaw position except centric relation.

2-centric relation considered the starting point in any mandibular movement



**Eccentric jaw relation :-** Is any relationship of the mandible to the maxilla other than the centric relation .



## *Eccentric jaw relation classified into*

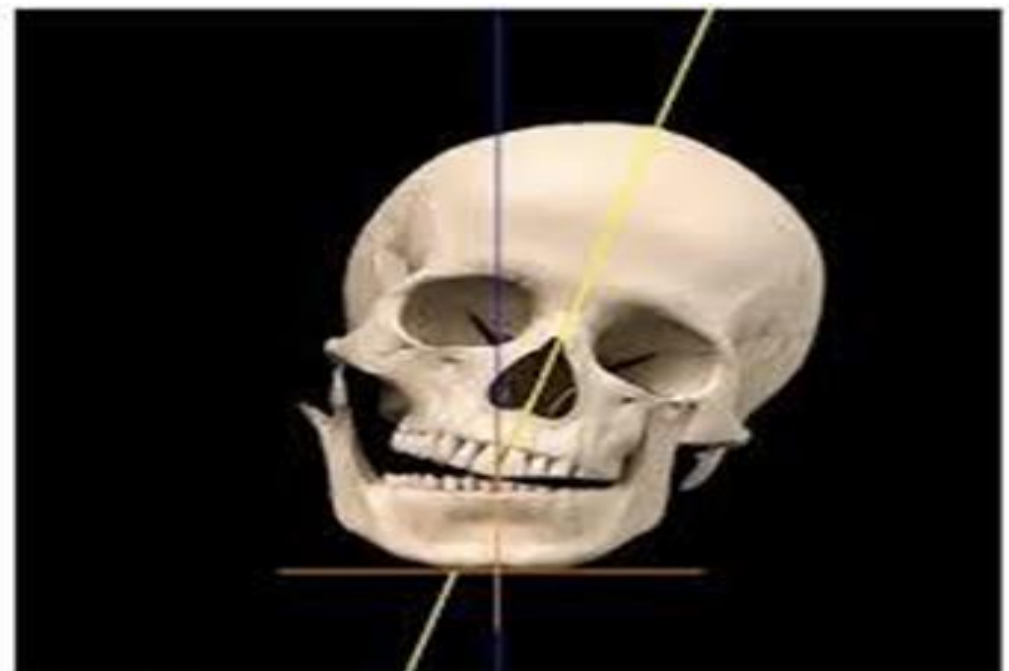
### ***1-Protrusive jaw relation***

It's a relation when the mandible move in protrusive direction , and the protrusive direction are dawn word and forward when the condyle move in this direction



## 2-Lateral jaw relation

**lateral jaw relation** :-it's the relation of the mandible to the maxilla when the lower jaw in a position to either side ( right or left )



# Occlusion

**Occlusion** :-It's any contact between the incisal or mastication surface of upper and lower teeth in static position





**centric occlusion** : Is the occlusion of opposing teeth when the mandible is in centric relation that provides the maximum planned intercuspation



## The difference between centric occlusion and centric relation

**1-centric occlusion :- It's a tooth to tooth relation**

**2-centric relation:-it is a bone to bone relationship.**

The difference between occlusion and articulation relation

**occlusion** :- It's static relationship between the maxillary and mandibular teeth

**articulation** :- Define as the contacting of teeth as the mandible moved to and from centric relation and eccentric relation this is dynamic .or the relation between upper and lower jaw during activities

THANK  
YOU

