

<u>Muscle</u>	<u>Attachment</u>	<u>Action</u>	<u>Plane</u>	<u>Contraction</u>
Masseter	Zygomatic arch Lateral surface of the angle and ramus of the mandible	<i>Bilaterally:</i> elevates the mandible	Sagittal	<i>Elevation:</i> concentric <i>Depression:</i> eccentric <i>Excursion:</i> eccentric <i>Protrusion:</i> concentric <i>Retraction:</i> eccentric
Temporalis	Temporal fossa and fascia Coronoid process and the anterior boarder of the ramus of the mandible	<u>Anterior fibers:</u> <i>Bilaterally:</i> elevate the mandible <u>Posterior fibers:</u> <i>Bilaterally:</i> retract the mandible <i>Unilaterally:</i> deviates the mandible to the same side	Sagittal Coronal	<i>Elevation:</i> concentric <i>Depression:</i> eccentric <i>Excursion:</i> same side- concentric opposite- eccentric <i>Protrusion:</i> eccentric <i>Retraction:</i> concentric
Medial Pterygoid	Medial side of the lateral pterygoid plate and tuberosity of the maxilla Medial surface of the angle and ramus of the mandible	<i>Bilaterally:</i> elevates the mandible and protracts the mandible	Sagittal	<i>Elevation:</i> concentric <i>Depression:</i> eccentric <i>Excursion:</i> eccentric <i>Protrusion:</i> concentric <i>Retraction:</i> eccentric
Lateral Pterygoid	Lateral side of the lateral pterygoid plate and greater wing of the sphenoid Neck of the mandibular condyle, the joint capsule and the articular disk	<i>Bilaterally:</i> protrudes the mandible Assists in depression of the mandible <i>Unilaterally:</i> deviates the mandible to the opposite side	Sagittal Frontal	<i>Elevation:</i> eccentric <i>Depression:</i> concentric <i>Excursion:</i> same side- eccentric opposite- concentric <i>Protrusion:</i> concentric <i>Retraction:</i> eccentric

Break down of mastication