

## **The Lamination and Arterial Blood Supply of the Masseter Muscle of Camel (Camelus dromedarius)**

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**Abstract :** The present study was carried out to investigate the structure of the masseter muscle of camel and its attachments to the skull as well as the relationships with its arterial blood supply. Fourteen heads of clinically healthy camels of different ages and sexes were used in the present investigation. The both common carotid arteries of six specimens were cannulated and flushed with warm normal saline solution (0.9%) then injected with red colored neoprene (60%) latex in order to study the pattern of the blood supply to the masseter muscle. Two heads were injected with an eventually mixture of 75gm red lead oxide in 150cc latex and preserved in a cold room for 3-4 days then divided sagittally along the median plane to avoid super imposition of the arteries. The arteries of the masseter muscle of each half were radiographed. Four heads were used in manual dissection to describe the laminar arrangement of the masseter muscle. The masseter muscle of the camel was very tendinous and was situated far caudally, which enable the camel to open its jaw very wide. In the camel, the masseter muscle was recognized into proper and improper masseter groups. The proper group included the first, second superficial, intermediate and deep masseter layers. The improper group consisted of maxillo-mandibularis and zygomatico-mandibularis. The remaining two heads were used for clearance.

**Keywords :** anatomy, camel, masseter, lamination, blood supply

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