

Beni-suef University
Faculty of Veterinary Medicine
Anatomy & Embryology Department

Name: Azza Ali Hassan Ibrahim

Date of birth: 6/1/1988

Specialization: Anatomy and Embryology

Nationality: Egyptian

Birth: Beni-Suef

Degree: M.V.SC.

Title of Thesis:

**ANATOMICAL STUDIES ON THE FACE MUSCULATURE AND NERVES
OF THE ONE_HUMPED CAMEL (*CAMELUS DROMEDARIUS*)**

Under supervision of:

Prof. Dr. Zein El-Abdein A.E. Adam

Professor and Head of Anatomy and Embryology Department, Faculty of Veterinary
Medicine, Beni-Suef University

Prof. Dr. Mohamed R. A. GAD

Professor of Anatomy and Embryology, Faculty of veterinary medicine, Beni-Suef
University

Dr. Ashraf Sayed Awaad Ahmad

Lecturer of Anatomy and Embryology, Faculty of veterinary medicine, Beni-Suef
University

Abstract

The present study was carried out to clarify the anatomy of the musculature and innervation of face region of the one-humped camel (*Camelus dromedarius*). Sixteen head specimens from adult and symptomatically healthy camels of both sexes were used. The muscles of the face region were carefully dissected and illustrated to demonstrate their origin, insertion, measurements and relations. The nerves in this area were also dissected to show their branches and distribution. The face musculature of the one-humped camel was classified into; cutaneous muscle of the face (M. cutaneus faciei), muscles of the nostrils and lips (Mm. dilator naris apicalis, dilator naris medialis, levator nasolabialis, levator labii superioris, dilator naris lateralis, depressor labii superioris, lateralis nasi, orbicularis oris, incisivus superioris, incisivus inferioris and mentalis), muscles of cheek (Mm. zygomaticus and buccinator), extraorbital muscles of the eyelids (Mm. malaris, depressor palpebra inferioris, frontalis and orbicularis oculi), mandibular muscles (Mm. masseter and temporalis) and auricular muscles (Mm. auriculares rostrales, dorsalis and ventralis). The innervation of the face region of the one-humped camel came from some branches of the seventh cranial nerve; facial nerve (N. facialis, VII) and the fifth one; trigeminal nerve (N. trigeminus, V).

Key words: Camel, Anatomy, Muscles, Face, Nerves