After fixation, a solution of red latex was injected through both common carotid arteries via a cannula. This injection was performed under hand pressure and was stopped when the small vessels in the conjunctiva became visible to the naked eye. Both sides of each specimen were carefully dissected.

Results

The common carotid artery was found to lie between the trachea and the esophagus and to ascend towards the intermandibular and retromandibular regions. This artery appears as a rather regularly cylindrical conduit with a diameter of 6 to 8mm. At the level of the angle of the mandible, Etemadi

At the level of the axis, it gives off ventrally, the cranial thyroid artery to the cranial part of the thyroid gland, the middle thyroid artery to the middle part of the thyroid gland, and dorsally, the occipital artery which passes through the foramen alare and anastomoses with the vertebral artery (Figure 2) (Figure 3). Under the wing of the atlas, the common carotid artery is continued by the external carotid artery (Figure 2) (Figure 4).

The external carotid artery is an artery of considerable caliber. It is 7 to 8cm long and measures 6 to 7mm in diameter. It presents both a cranial and caudal convexity (Figure 3). In its course, it goes along the side of the larynx, arrives on the caudal edge of the big branch of the hyoid bone and continues between this bone and the stylohyoid

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**Figure 1** Arteries of the head (Superficial layer, lateral view). 1- M. sternocephalicus, 2- A. carotis communis, 3- R. musculares, 4- A. thyroidea media, 5- A. thyroidea cranialis, 6- Glandulae mandibulares, 7- A. auricularis caudalis, 8- A. transversa faciei, 9- A. facialis, 10- A. facialis, rami dorsalis, 11- A. facialis, rami ventrales, 12- Nervi faciales, rami dorsalis, 13- Nervi faciales, rami ventrales, 14- Nervi transversus faciei, 15- A. labialis inferior, 16- R. mentales, 17- M. masseter, 18- M. malaris, 19- Glandulae salivariae.

**Figure 2** Arteries of guttural pouch area, with mandibular salivary gland removed (Superficial layer, lateral view). A. carotis communis, 2- Trachea, 3- Isthmus, 4- R. musculares, 5- A. thyroidea media, 6- A. laryngea caudalis, 7- M. cricopharyngeus, 8- Lymphonodus cervicales profundi cranialis, 9- A. thyroidea cranialis, 10- R. pharyngeus ascendens, 11- R. laryngea cranialis, 12- M. thyropharyngeus, 13- A. occipitalis, 14- A. carotis externa, 15- R. pharyngeus descendens, 16- R. parotidei, 17- A. lingualis, 18- A. temporalis superficialis, 19- A. auricularis caudalis, 20- A. auricularis rostralis, 21- A. transversa faciei, 22- Nervi faciales, 23- A. facialis, 24- A. facialis, rami dorsalis, 25- A. facialis, rami ventrales.
Descriptive anatomy of artery of one-humped camel head (Camelus dromedarius)

It divides under the caudal venter of the digastric muscle in a very wide angle into the superficial temporal artery and the maxillary artery (Figure 5).

Moreover, at this level, this artery divides in depth into the internal carotid artery and the condylar artery (Figure 6). The internal carotid artery crosses the caudal border of styloidoid muscle and ascends to the base of the skull. During this part of its course, the internal carotid artery is related to the pharynx, pre-vertebral muscles and the soft tissue medially Etemadi (Figure 5) (Figure 6). The proximal segment of the internal carotid artery is divided into its terminal branches, the middle and rostral cerebral arteries (Figure 7). The condylar artery supplies the dura mater and the tissues of the epidural space in the immediate vicinity (Figure 6).

The lingual artery is detached under a very acute angle in the space of the stylohyal bone and stylohyoid muscle meadows from the cranial extremity of the mandibular lymph node (Figure 5). The artery then goes forwards and downwards, always covered by the digastric muscle in its dorsocaudal portion, and laterally by the rostral edge of the hypopharyngeal muscle. Then, it penetrates into the hyoglossus muscle, to cross the totality of the tongue, Baron (Figure 5).
Figure 7 Cerebral arteries (Ventral view). 1- A. carotis interna, 2- A. temporalis profunda caudalis, 3- A. maxillaris, 4- Extracranial part of the rete mirabile epidurale rostrale, 5- Rete mirabile epidurale rostrale, 6- Rete mirabile ophthalmicum, 7- A. cerebri media, 8- A. oftalmica interna, 9- A. infraorbitalis, 10- A. palatina major, 11- A. sphenopalatina, 12- A. palatina minor.

The superficial temporal artery is the smallest and shortest of the endings of the external carotid artery. Covered at first by the parotid gland, it runs perpendicularly to the external carotid artery and goes on 2 cm. Then, it divides according to an open angle in three branches: the transverse facial artery, the rostral auricular artery and the facial artery (Figure 2).

The maxillary artery proceeds from its origin between the medial pterygoid muscle and the pharynx toward the pterygoid fossa, Badawi et al. It gives off the alveolar artery, the buccal artery and the middle meningeal artery (Figure 5). The first artery gives supplies for temporal muscle and pterygoid muscles before it enters the mandibular foramen. The second artery, supplies the dorso-caudal buccal region. The third artery passes through the oval foramen to supply the meninges Kieltyka-kurc et al. At the level of the foramen orbito-rotundum, the maxillary artery detaches a vessel which divides immediately into several small branches. Some of this twings pass rostrally to participate in the formation of the rete mirabile ophthalmicum Ocal et al.; Wang (Figure 7).

The remaining branches, the rami rostrales and rete mirabile epidurale rostrale, follow a course caudally with the maxillary nerve, Wang (Figure 6). Then they get through the foramen orbito-rotundum and contribute to the formation of the rete mirabile epidurale rostrale Jerbi et al. Next, the maxillary artery continues its course towards the maxillary foramen where its divides into the infraorbital artery and the descending palatine artery (Figure 6 & 7).

Conclusion
The present investigation reveals quite a number of interesting features characteristic to the species. In the order Artiodactyla, the pattern of the arterial supply to the head of one-humped camel differs considerably from other ruminants. At the level of the axis, the common carotid artery gives off three branches to the thyroid gland. The maxillary artery has an entirely extrasosseous course.

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Conflict of interest
The authors declare there is no conflict of interest.

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