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in this topic page we ll learn about various anatomical aspects of the head and neck such as the skull eyes teeth nose ears and neck in addition we ll also cover the most important blood vessels and nerves supplying each region the neck refers to the collection of structures that connect the head to the torso it is a complex structure of many bones muscles nerves blood vessels lymphatics and other connective tissues the cervical spine is the bony part of the neck the content of the neck is grouped into 4 neck spaces called the compartments vertebral compartment contains cervical vertebrae and postural muscles visceral compartment contains glands thyroid parathyroid and thymus the larynx pharynx and trachea 1 2 synonyms none the head is the superior part of the body that is attached to the trunk by the neck it is the control and communication center as well as the loading dock for the body it houses the brain and therefore is the site of our consciousness ideas creativity imagination responses decision making and memory the neck is the bridge between the head and the rest of the body it is located in between the mandible and the clavicle connecting the head directly to the torso and contains numerous vital structures the spinal nerve extends from the inferior end of the brain stem and passes through the foramen magnum of the skull into the neck in the neck the spinal cord passes through the vertebral foramen of the cervical vertebrae which surround and protect its delicate nervous tissue home the neck the neck is the area between the skull base and the clavicles despite being a relatively small region it contains a range of important anatomical features one of the functions of the neck is to act as a conduit for nerves and vessels between the head and the trunk identify the angle and body of the mandible mastoid tip midline of neck clavicle and sternocleidomastoid muscle scm incisions utility incision from mastoid tip into a transverse lower neck skin crease is used most commonly a posterior limb may be dropped if access to level iv is difficult the anterior cervical neck region is also home to many lymph nodes that drain the head and neck structures and are essential for metastasis of head and neck cancers and spread of head and neck infections cranial nerves are pairs of nerves that connect your brain to different parts of your head neck and trunk each nerve has a corresponding roman numeral between i and xii a number of cranial nerves send electrical signals between your brain and different parts of your neck head and torso these signals help you smell taste hear and move your facial muscles the cranial nerves begin toward the back of your brain they are a key part of your nervous system advertisement cancers that are known collectively as head and neck cancers usually begin in the squamous cells that line the mucosal surfaces of the head and neck for example those inside the mouth throat and voice box these cancers are referred to as squamous cell carcinomas of the head and neck radial head fractures are common intra articular elbow fractures that can be associated with an episode of elbow instability a mechanical block to elbow motion an injury to the distal radioulnar joint and or to the interosseous membrane Essex-Lopresti diagnosis can be made with plain radiographs of the elbow level ii upper internal jugular deep cervical chain superiorly base of the skull at the jugular fossa inferiorly inferior border of the hyoid bone anteriorly posterior border of the submandibular gland posterolaterally posterior border of the sternocleidomastoid muscle medially medial border of the internal carotid artery 1st edition view latest edition download book pdf overview authors walter thiel brilliant presentations of anatomical structures in their living color consistency and position clinical importance surgical approaches and punctures of joints are covered head and neck cancers head and neck cancers can have many different names depending on where the cancer starts for example cancers that start in the throat pharynx can be called nasopharyngeal for the upper throat behind the nose oropharyngeal for the middle throat behind the mouth or hypopharyngeal for the lower throat photographic atlas of practical anatomy ii neck head back chest upper extremities companion volume including nomina anatomica and index author prof dr walter thiel published by springer berlin heidelberg isbn 978 3 642 64137 4 doi 10 1007 978 3 642 59819 7 table of contents

photographic atlas of practical anatomy ii sports such as soccer and football involve rapid neck movements that can strain your neck and cause pain other neck pain risk factors can include stress poor posture or sleeping position worn joints in your neck compression of the nerves arthritis in the bones of your neck or spine left untreated neck pain can cause you to the muscles of the neck are closely related to a number of important structures that pass between the thorax and the head including major blood vessels nerves and elements of the respiratory and gastrointestinal systems this article will introduce you to the anatomy of the muscles of the neck contents anterior neck muscles superficial muscles here is what the 12 cranial nerves do cn i olfactory provides the sense of smell cn ii optic communicates visual information from the eye to the brain cn iii oculomotor controls numerous movements of the eyes and the eyelids also controls the size of the pupils in response to light

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the spinal nerve extends from the inferior end of the brain stem and passes through the foramen magnum of the skull into the neck in the neck the spinal cord passes through the vertebral foramen of the cervical vertebrae which surround and protect its delicate nervous tissue

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the muscles of the neck are closely related to a number of important structures that pass between the thorax and the head including major blood vessels nerves and elements of the respiratory and gastrointestinal systems this article will introduce you to the anatomy of the muscles of the neck contents anterior neck muscles superficial muscles

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