

Axillary nerve palsy

The *Nervus axillaris* is a short nerve that emerges from the *plexus brachialis*. He can be hurt quite easily.

It originates from the **fasciculus posterior** of the *brachialis plexus*, wraps around the area of the collum chirurgicum humeri and continues on the dorsal side to the foramen humerotricipitale and subsequently to m. deltoid.

 For more information see *Nervus axillaris*.

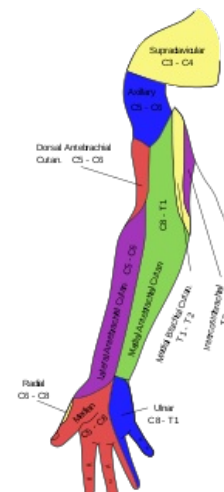
The most common injuries of the axillary nerve

The most common types of paralysis *n. axillaris* occurs in **humeral fractures** in the area of the collum chirurgicum. **Furthermore**, it can be injured during luxation shoulder joint, or during an injury to the deltoid muscle (blunt impact on the shoulder).

Image of polio

Nervus axillaris motorically innervates m. deltoideus and partially m. teres minor. Paralysis of this nerve will disable the function of these muscles. Insufficient momentum m. deltoideus **will prevent abduction of the arm to horizontal**. This manifests itself in the impossibility of performing everyday movements - e.g. reaching into a pocket, putting a hand in a sleeve, wiping one's lips. Furthermore, there are **more frequent subluxations in art. humeri**, because the caput humeri is not fixed well enough in the cavitas glenoidalis.

Violation of *n. axillaris* further means **sensation disorder in the regio brachii lateralis (pars superior)**, which is innervated by its sensitive branch.



Sensitive innervation of the arm

Links

Related Articles

- Axillary nerve
- Brachial plexus
- Fractures of the humerus
- Ulnar nerve palsy
- Radial nerve palsy
- Median nerve palsy
- Brachial plexus paresis

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- PASTOR, Jan. *Langenbeck's medical web page* [online]. [cit. 2009]. <<https://langenbeck.webs.com/>>.

References

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- PETROVICKY, Paul. *Anatomy with topography and clinical applications I. : Locomotor system*. 1. edition. Osvěta Publishing House, 2001. 463 pp. ISBN 80-8063-046-1.