

# Nervus axillaris

Nervus axillaris (axillary nerve) represents one of the branches of the *fasciculus posterior* brachial plexus.

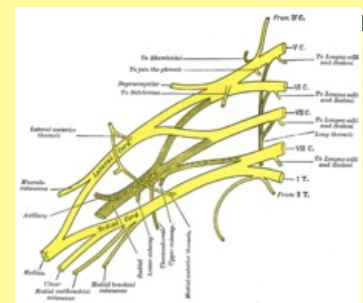
- **Range:** C5–C6
- **Course of the nerve:** foramen humerotripicitale → collum chirurgicum humeri → back side of the humerus → lower surface of the deltoid muscle.
- **Motor innervation:** deltoid muscle, teres minor.
- **Sensory innervation:** shoulder joint, skin in the area of the deltoid muscle and lateral sides of the arm.
- **Branches:**
  - *rr. musculares*: muscular branches for the above muscles;
  - *rr. articulares*: for the shoulder joint;
  - *n. cutaneus brachii lateralis superior*: sensitive nerve (see sensitive nerve innervation).
- **Nerve injury:** in Dislocation of Shoulder Joint; fractures of the collum chirurgicum humeri (the patient is unable to perform external rotation and abduction of the arm to the horizontal).

## Links

## Axillary nerve palsy

## References

- PETROVICKÝ, Pavel. *Anatomy with topographical and clinical applications*.. 1. edition. Osvěta, 2002. vol. 3. ISBN 80-8063-048-8.



**TA** A14.2.03.059 (<http://www.unifr.ch/ifaa/Public/EntryPage/TA98%20Tree/Entity%20TA98%20EN/14.2.03.059%20Entity%20TA98%20EN.htm>)

**function** motorically innervates deltoid muscle, teres minor, sensitively innervates the shoulder joint, the skin in the area of the deltoid muscle and the lateral side of the arm.

**branches** rr. musculares,  
rr. articulares,  
**n. cutaneus brachii**  
**lat. sup.**