

# Rarer strait syndromes

\_\_CONTENTLESS\_\_

Entrapment syndromes include a group of chronic mononeuropathies that arise from nerve compression at the site of anatomical narrowing. The following syndromes on the upper and lower limbs are among the less frequently occurring strait syndromes.

## Strait syndromes of the upper extremity

### Compression of n. suprascapularis' *in incisura scapulae*

- pain, impaired abduction (especially the first 30 degrees) and external rotation of the shoulder.

### Compression n. axillaris in the foramen humerotricipitale.

### Supinator canal syndrome

- compression of the deep branch n. radialis, which passes through the m. supinator (oppression by Frohse's arcade);
- weakness of finger extension in the metacarpophalangeal joints.

### Pronator syndrome

- compression n. medianus between 2 heads of m. pronator teres in the area of the proximal forearm;
- pain in the area of the elbow and the upper third of the forearm with paresthesia in I.-IV. finger;
- weakening of the flexor pollicis longus and abductor pollicis brevis muscles.

### Struthers syndrome

- compression of the median nerve in the distal part of the humerus under the Struthers ligament in the area of the anomalous processus supracondylaris;
- pain above the elbow with tingling in the fingers and hand up to the weakening of the muscles of the forearm.

### Kiloh-Nevin syndrome

- compression of the n. interosseus anterior in the area of the proximal third of the forearm by an abnormal fibrous band going from the deep head of the m. pronator teres to the tendon of the m. flexor digitorum superficialis or profundus;
- pain in the area of the volar upper third of the forearm, weakening of the deep flexors of the fingers;
- for professions requiring strong and long-term elbow flexion and pronation (carpenters, butchers, leather processing).

## Strait syndromes of the lower extremity

### Meralgia paresthetica

- compression n. cutaneus femoris lateralis in the area of the lateral insertion lig. inguinale;
- affects more pregnant, obese, diabetics;
- burning pains and paresthesias on the outer side of the thigh (trouser pocket area).

### Medial tarsal tunnel syndrome

- compression n. tibialis under retinaculum flexorum;
- paresthesia, dysesthesia, pain with propagation to the planta;
- when standing on tiptoes for a long time (professional disability of ballerinas).

### Anterior tarsal tunnel syndrome

- compression of the terminal deep branch of the fibularis nerve (peroneus) on the front surface of the ankle joint.

### Morton's metatarsalgia

- compression of the plantar n. plantaris medialis (e.g. in women who often wear pumps);
- more often the 2nd and 3rd digital nerve;
- pain in the foot, especially after walking and standing;
- palpable soreness between the heads of the metatarsals.

## Links

## Related Articles

- Peripheral nerve involvement syndromes
- Canalis carpi syndrome
- Communis peroneus nervus palsy
- Axillary nerve palsy
- Median nerve palsy

## References

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