

# Syncope for brain

Syncope **is a** quantitative disturbance of consciousness' **on the basis of** global cerebral hypoperfusion, **which has a** rapid onset' **and a** rapid spontaneous adjustment. Some authors also add **loss of postural tone** as a necessary condition. <sup>[1]</sup>

Spontaneous adjustment usually occurs within a few tens of seconds to minutes. The affected person often does not remember the event.

Syncope is a frequent cause of the so-called. **T-LOC** (*transient loss of consciousness*), which approximately 30% of people experience in their lifetime. <sup>[1]</sup>

## Division according to etiology

### 1. Reflective:

1. **Vasovagal** – the cause is disturbed regulation of the autonomic system with a sudden predominance of parasympathetic activity, which can lead to bradycardia and hypotension. It typically occurs in situations such as prolonged standing in an overheated means of transport. Susceptibility to this reaction is investigated by the inclined plane test.
2. '*Carotid sinus syndrome* - bradycardia and hypotension after pressure on the carotid sinus, e.g. with a shirt collar.
2. **Orthostatic syncope**: based on insufficient vasoconstriction when quickly moving from sitting or lying down to standing. They appear at an older age, in people taking antihypertensive drugs, alcoholics.
3. **Cardiac**: in case of arrhythmias and other heart diseases.
4. **Other**: neurological, oncological and metabolic situations.

Important: approach to the patient, careful anamnesis, do not neglect a possible serious illness.

## Treatment

The best is regimen, avoiding situations in which syncope occurs, blood pressure control, cardiac and neurological medications.

## Links

### Related Articles

- Consciousness
- Heart rhythm disorders

### Reference

1. JANOTA, Tomáš. *Differential diagnosis of disorders of consciousness* [lecture for subject Internal pre-state internship, specialization Medicine, 1. medical faculty Charles University]. Prague. 28.5.2014.

### References

- ČEŠKA, Richard. *Interna*. 1. edition. Triton, 2010. 855 pp. ISBN 978-80-7387-423-0.