

5th Congress of the European Academy of Neurology

Oslo, Norway, June 29 - July 2, 2019

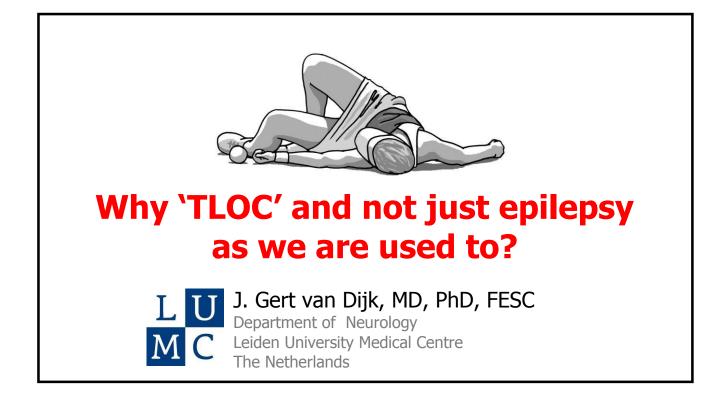
Teaching Course 4

Emergencies in neurology: dealing effectively with syncope and transient loss of consciousness (TLOC) (Level 1)

Why 'TLOC' and not just epilepsy as we are used to?

J. Gert van Dijk Leiden, The Netherlands

Email: j.g.van_dijk.neur@lumc.nl



Conflict of Interest



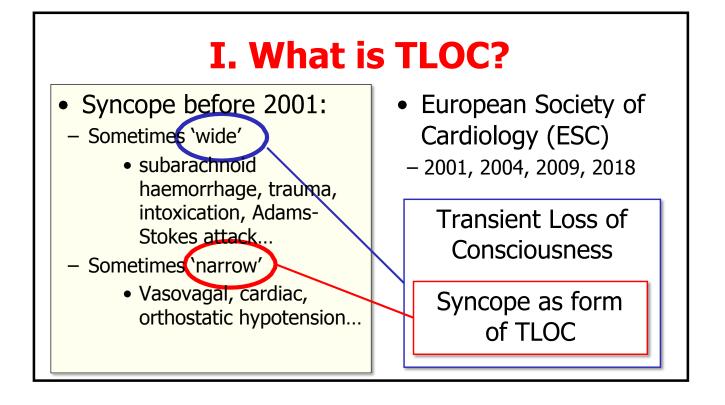
In relation to this presentation and manuscript:

□ the Author has no conflict of interest in relation to this manuscript.



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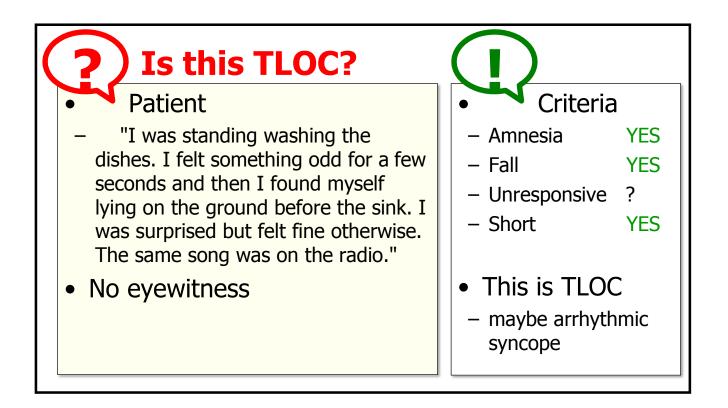
- I. What is TLOC?
- II. Should we know about syncope/TLOC?
- III. Vasovagal syncope
- IV. Syncope vs seizure
- V. How to move on?

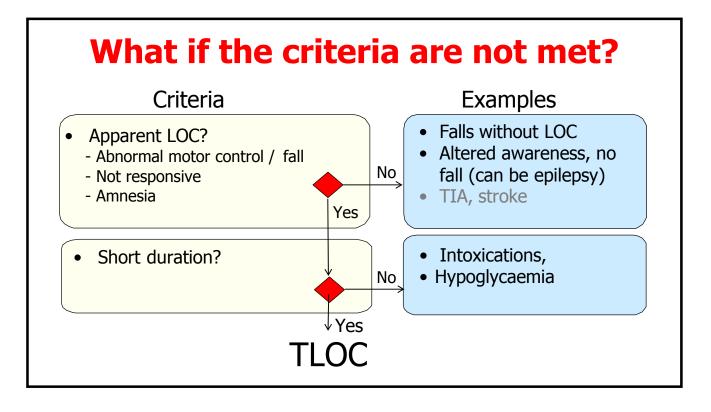


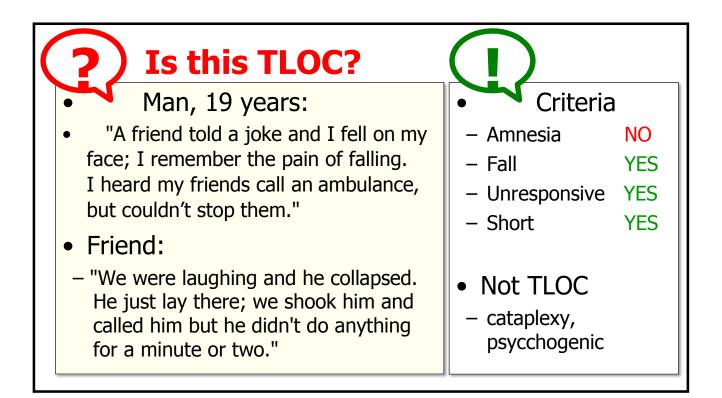
ESC 2018 Definition of TLOC

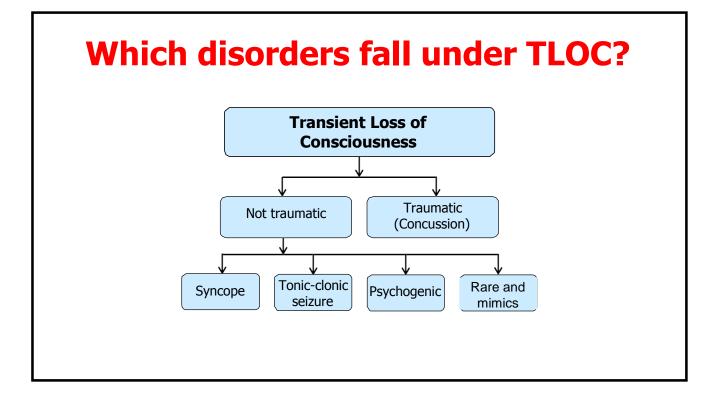
Transient loss of consciousness (TLOC) is a state of real or apparent loss of consciousness with loss of awareness, characterized by amnesia for the period of unconsciousness, abnormal motor control, loss of responsiveness, and a short duration. • Needs to be determined after the fa_{ct} • Through history taking

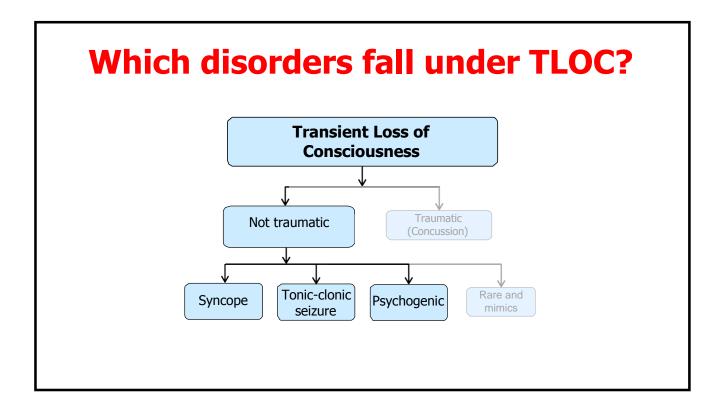
Building the 'TLOC' concept History from patient & eyewitness Four items • Who? 1. Amnesia; gap in memory Patient 2. Not responsive to speech or touch Eyewitness 3. Abnormal motor control Patient & • Always tendency to fall eyewitness • Flaccid or stiff, movements or still 4. Short (few minutes) Patient & eyewitness

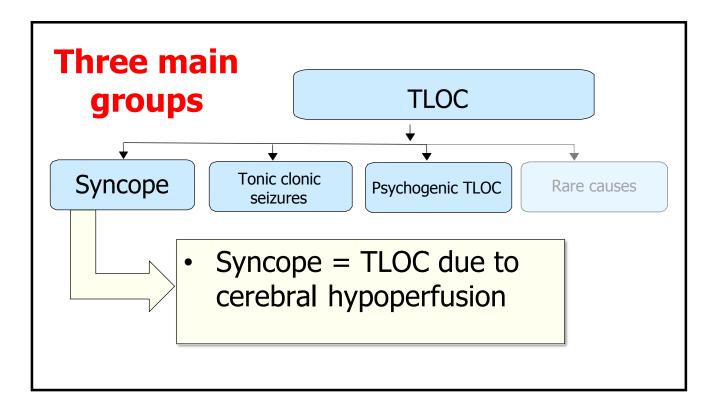


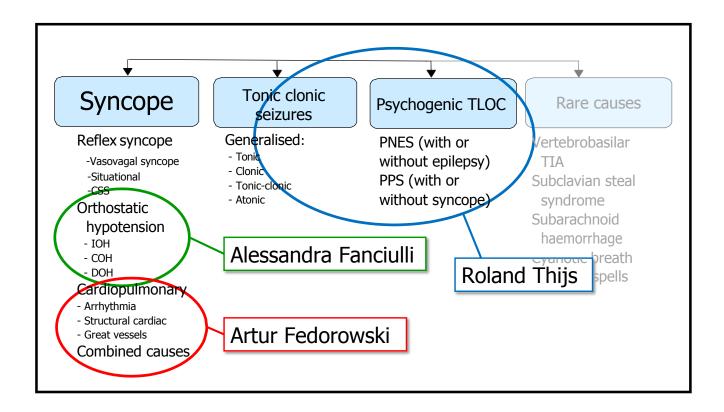




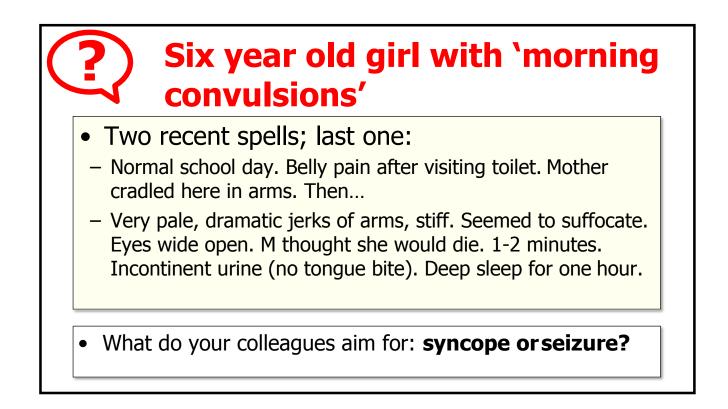


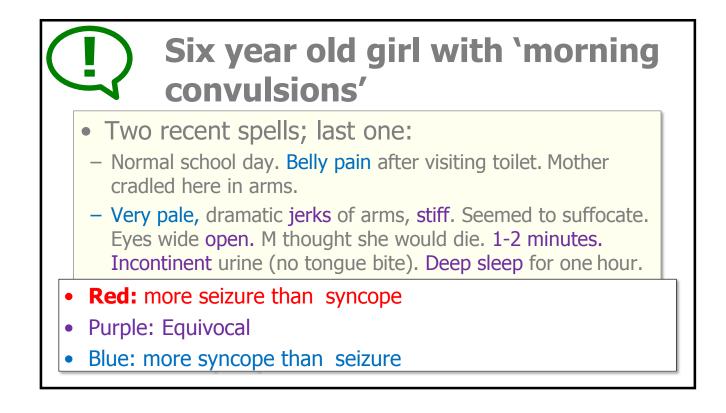


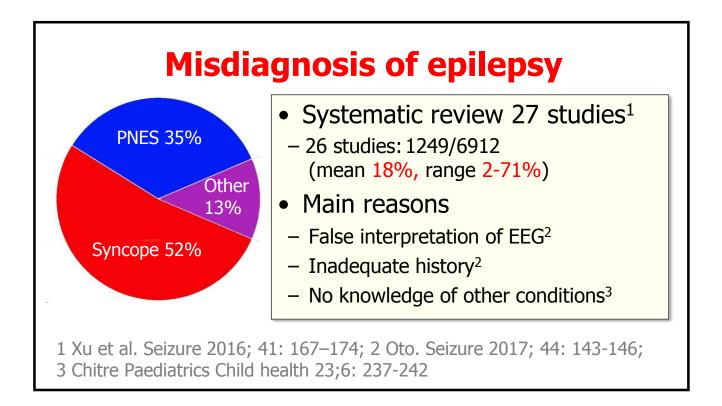


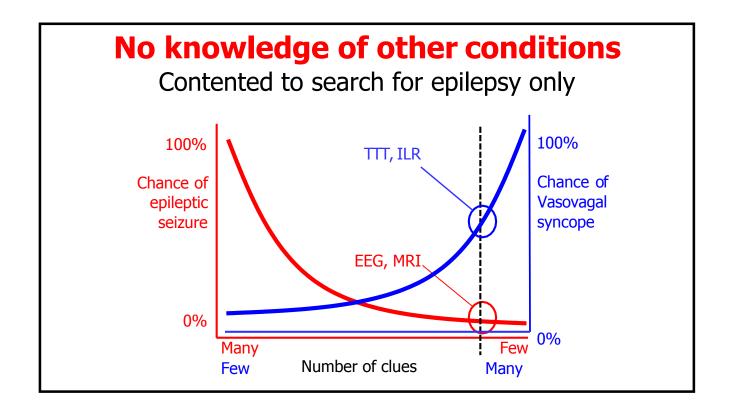


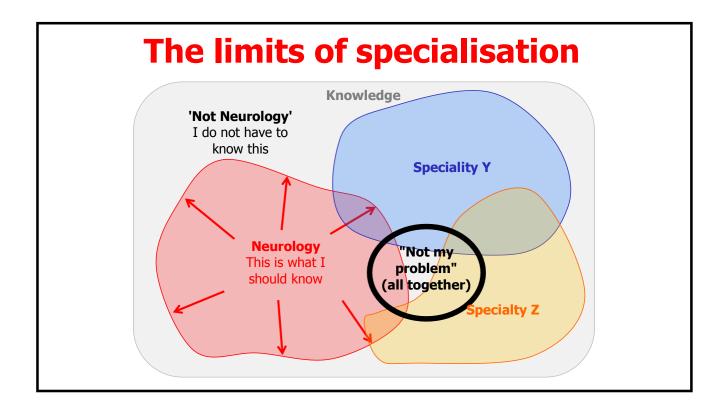
II. Should we know about syncope/TLOC? First response is often "That's not Neurology" Perhaps not historically, but... 1. ...it is about unconsciousness 2. ...it is about the autonomic nervous system

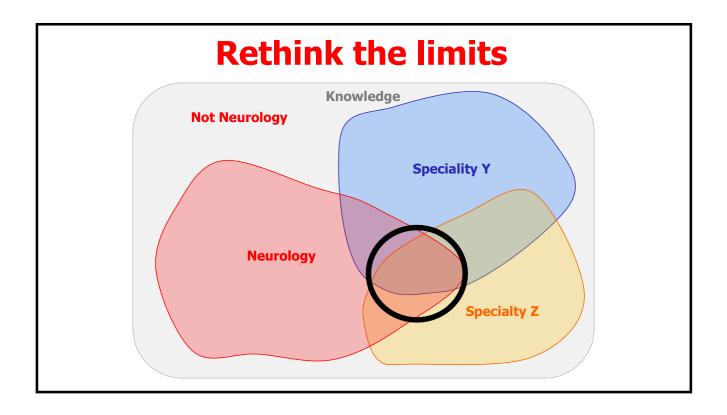


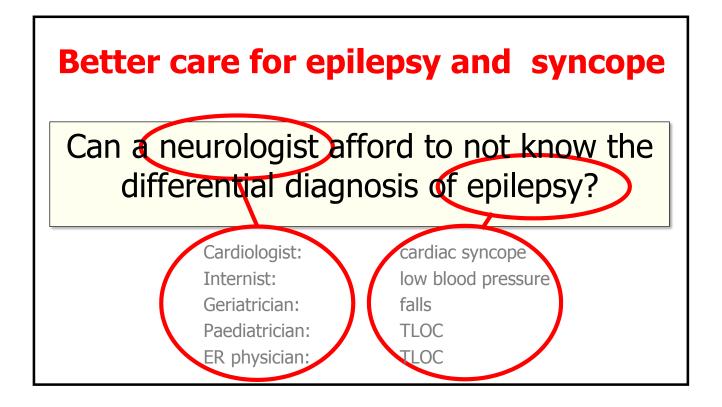








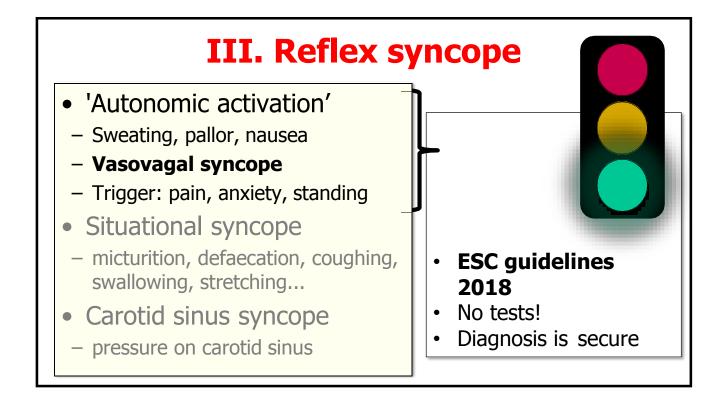


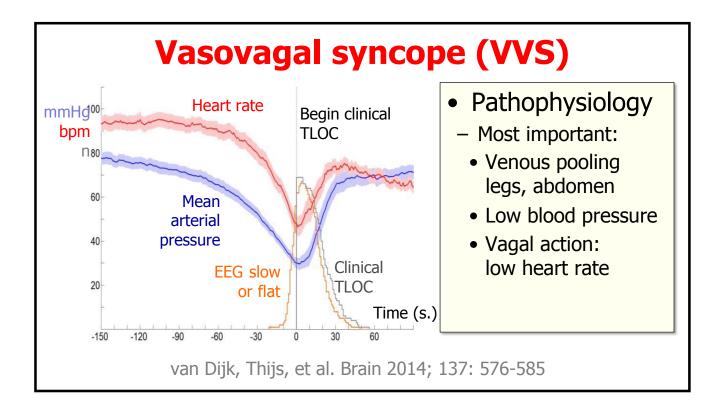


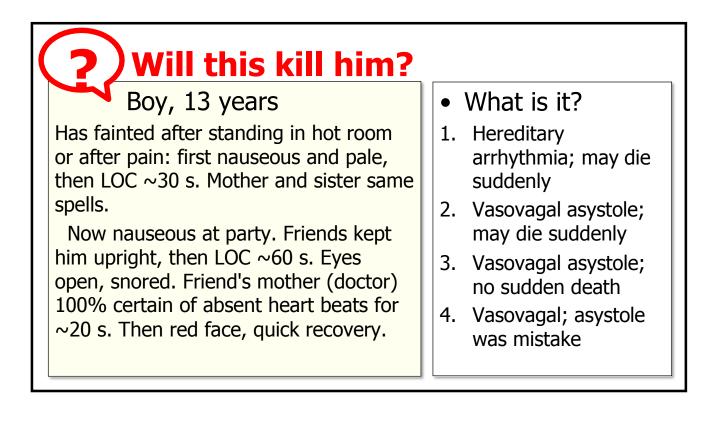


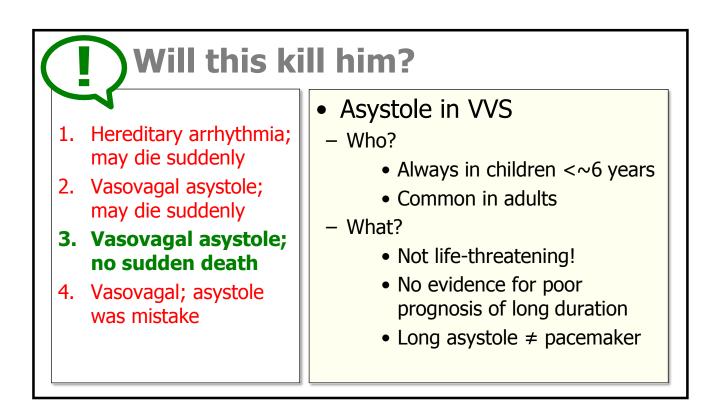
Yes, we should know TLOC

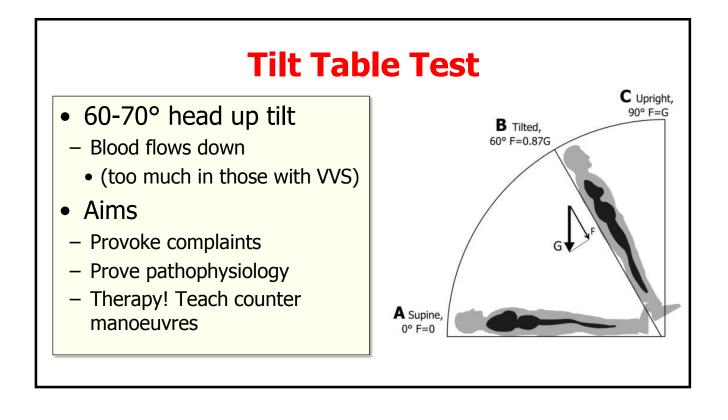
- 1. It is neurology
- (it's also cardiology, etc.)
- 2. Better epilepsy care
- Through less misdiagnosis
- 3. Main instrument is history taking
- Which we do anyway
- 4. It is rewarding
- VVS: Few visits, contented patients

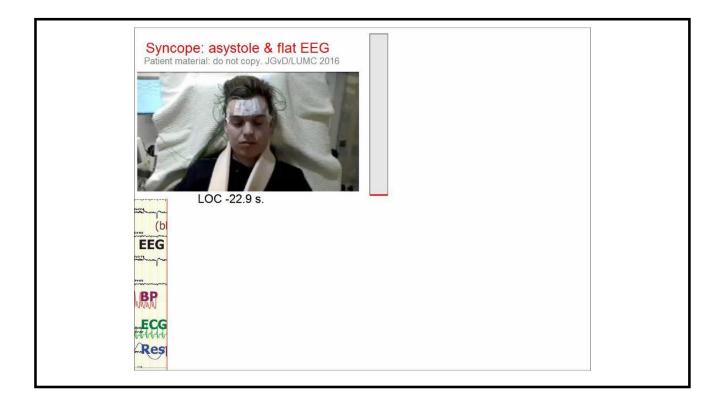


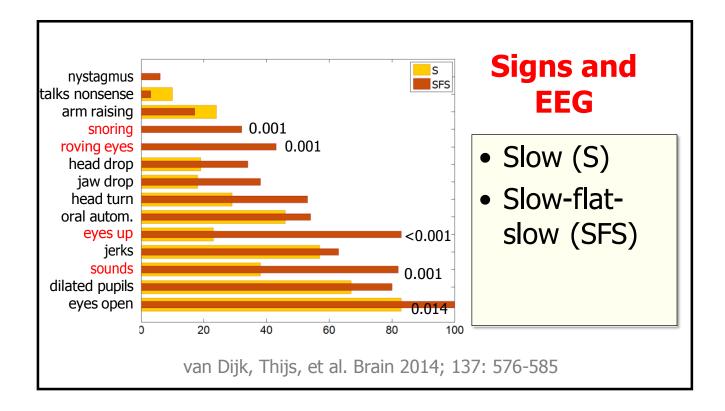


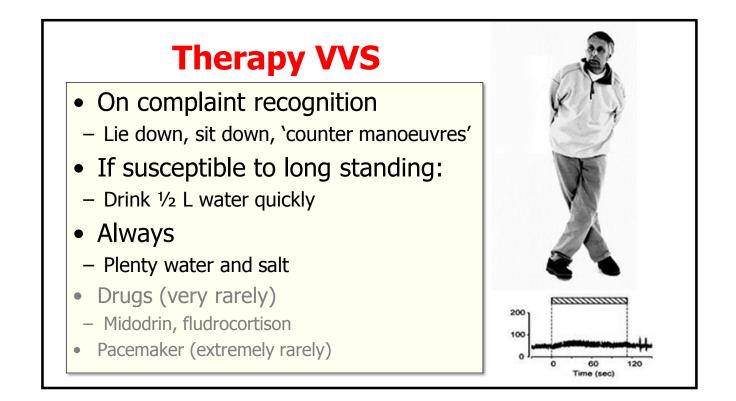












IV Syncope vs. seizure

1: Triggers

- Syncope is often triggered, epilepsy rarely
- Triggers differ!
- Epilepsy
 - Flashing lights, various cognitive tasks,...
- Syncope (by cause)
 - pain, fear, standing
 - exercise, supine
 - fever, water in face, alarm clock

Syncope vs. seizure 2 TLOC with flaccid immobility

- No posture or jerks at all?
- Not an epileptic seizure
- No need for brain MRI or EEG
- This is syncope or psychogenic pseudosyncope (PPS)
 - (No jerks in 81% PPS and 40% VVS)

Tannemaat, van Niekerk, Reijntjes, Thijs, Sutton, van Dijk; Neurology 2013; 81: 1-7 / Benbadis Epilepsy & Behavior 2009; 15-21

Syncope vs. seizure 3 What does NOT help?

	Seizure	Syncope
Incontinence	yes	yes
Eyes open*	yes	yes
Presence of jerks	yes	yes
Fatigue, sleep	yes	yes

* When are they closed?

Syncope vs. seizure 4 What does help?			
	Seizure	Syncope	
Jerks	One minute >20	A few seconds <10	
Tone	mostly stiff	mostly flaccid	
Tongue bite	yes (side)	rare (tip)	
Recovery	minutes,	seconds,	
	confusion	no confusion	

