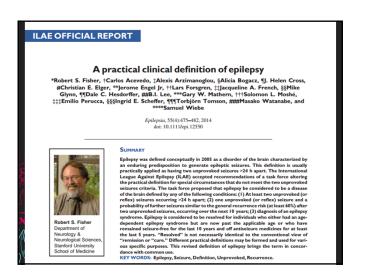


Definition Epilepsy: a disorder of the brain characterized by an enduring predisposition to generate epileptic seizures and by the neurobiological, cognitive, psychological and social consequences of this condition*, requires the occurrence of at least one epileptic seizure *Fisher et al. Epilepsia 2005;46:470-2.

Definition Epileptic syndrome Group of clinical and EEG features common to patients with similar, but not necessarily identical etiologies Helps determine the appropriate therapy and the prognosis



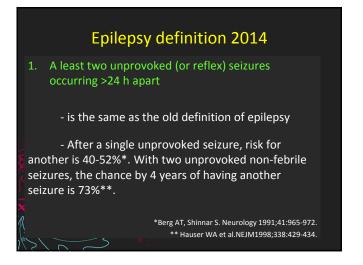
Epilepsy is a disease of the brain defined by any of the following conditions

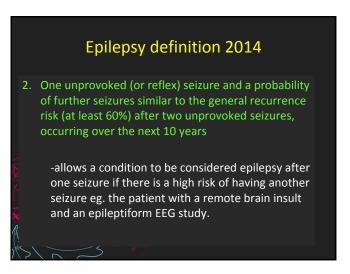
1. A least two unprovoked (or reflex) seizures occurring >24 h apart

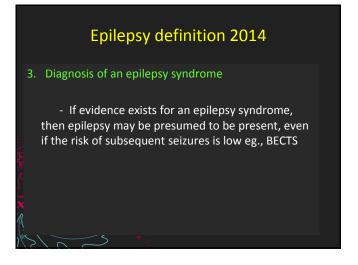
2. One unprovoked (or reflex) seizure and a probability of further seizures similar to the general recurrence risk (at least 60%) after two unprovoked seizures, occurring over the next 10 years

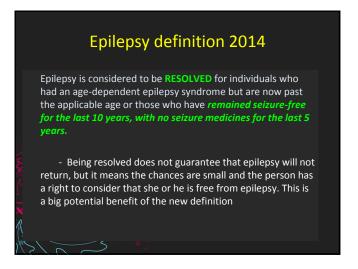
3. Diagnosis of an epilepsy syndrome

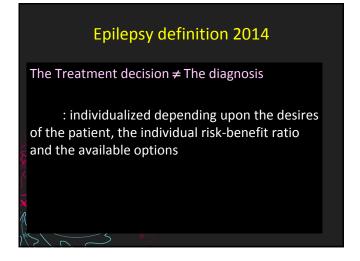
Epilepsy is considered to be resolved for individuals who had an age-dependent epilepsy syndrome but are now past the applicable age or those who have remained seizure-free for the last 10 years, with no seizure medicines for the last 5 years.

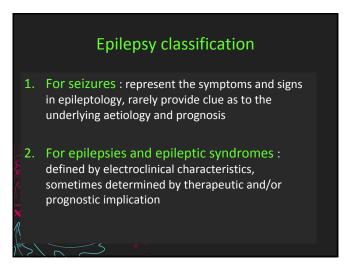


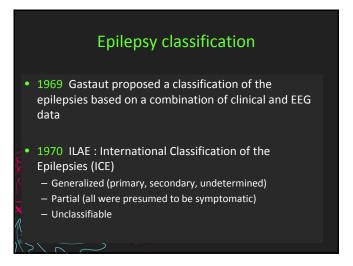


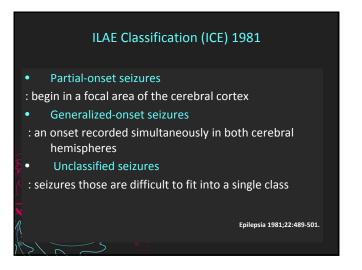


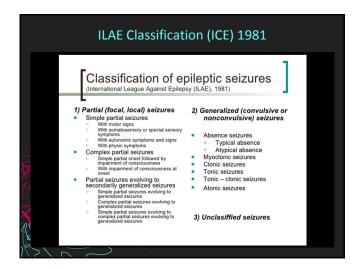


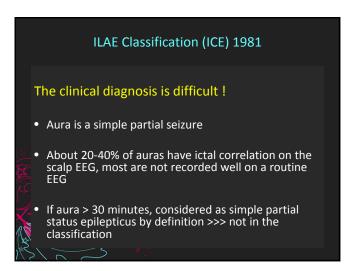


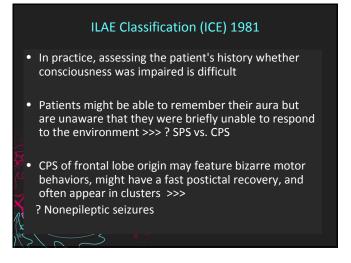


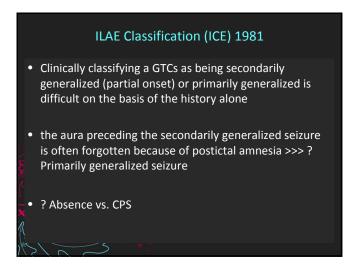


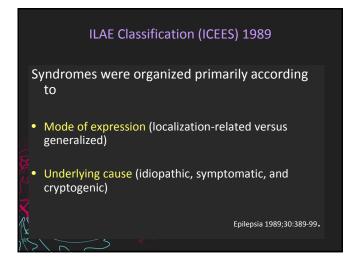


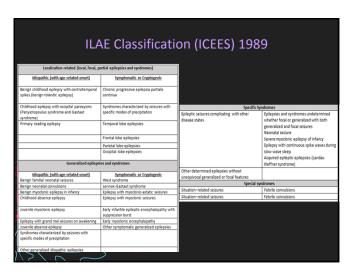


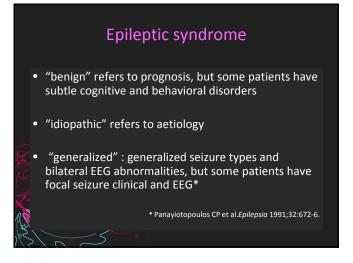


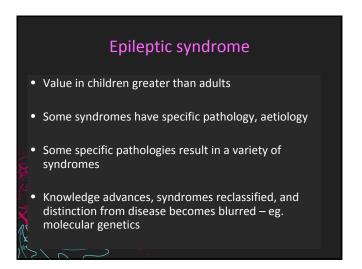






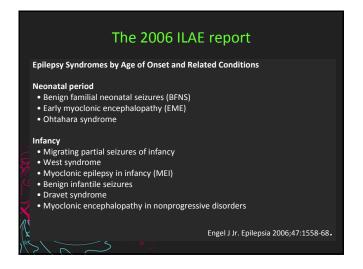


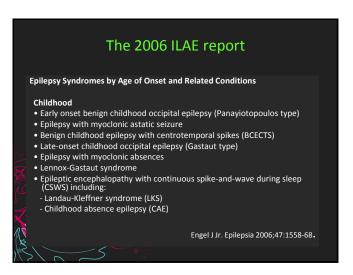


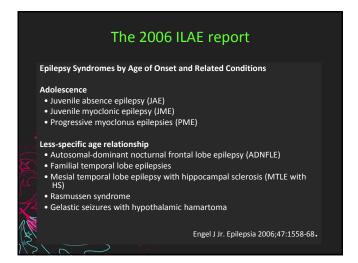


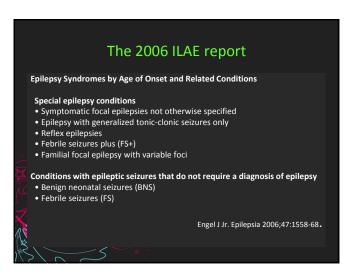
The Task Force on Classification and Terminology of ILAE 2001 Axis 1: Ictal phenomenology: from the Glossary of Descriptive Ictal Terminology, can be used to describe ictal events with any degree of detail needed Axis 2: Seizure type: from the List of Epileptic Seizures. Localization within the brain and precipitating stimuli for reflex seizures should be specified when appropriate

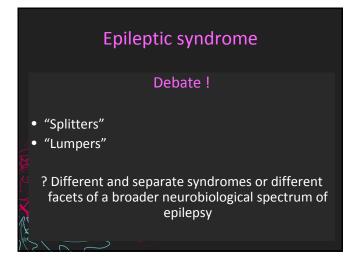
The Task Force on Classification and Terminology of ILAE 2001 Axis 3: Syndrome: from the List of Epilepsy Syndromes, not always possible Axis 4: Etiology, including specific genetic defects or pathologic substrates Axis 5: Impairment, optional but useful parameter can be derived from the WHO ICIDH-2 impairment classification



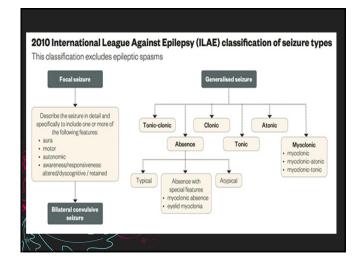


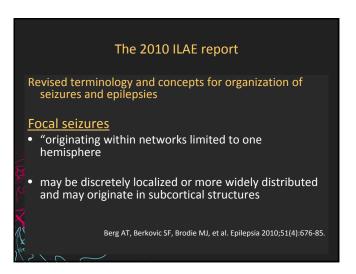


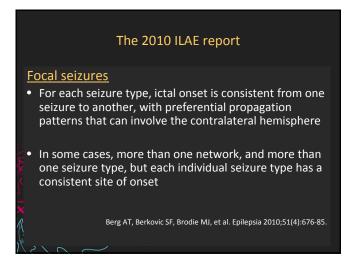


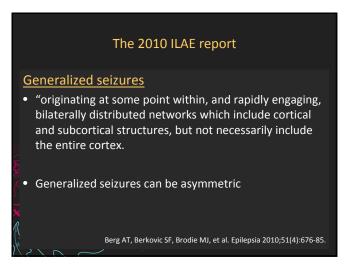




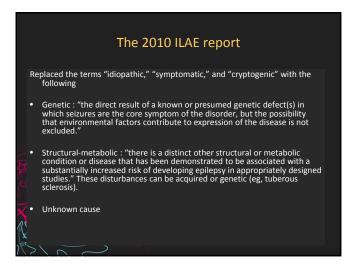


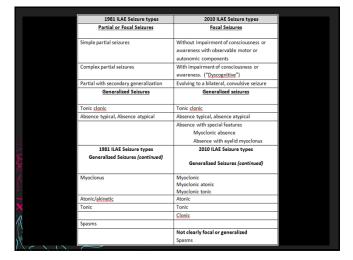


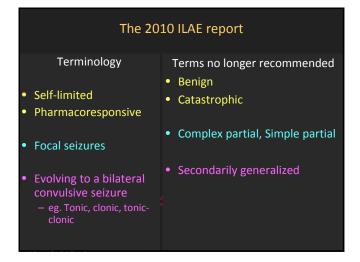


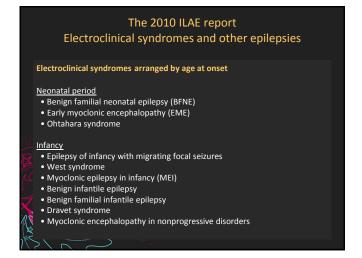


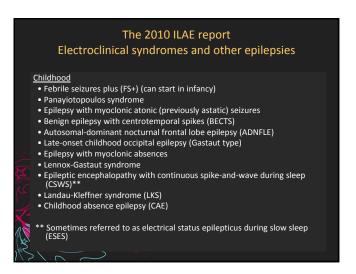


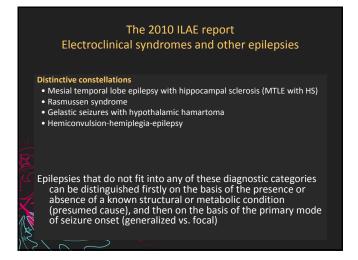


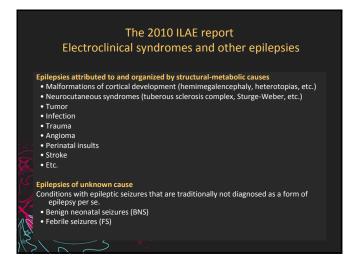


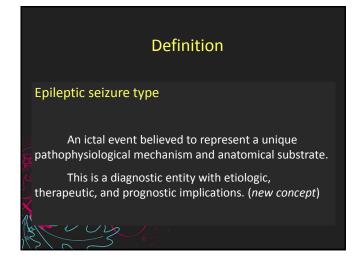


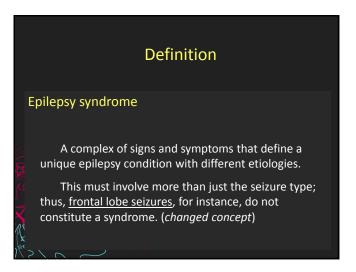




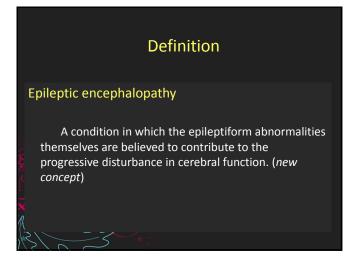




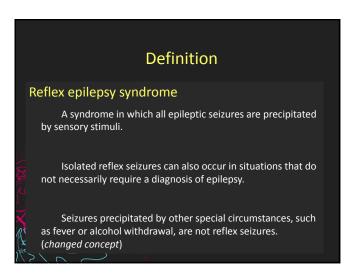




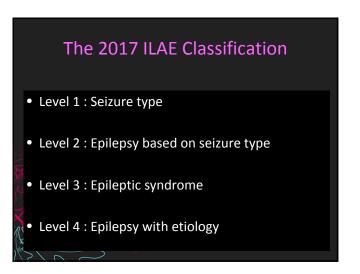




Definition Benign epilepsy syndrome A syndrome characterized by epileptic seizures that are easily treated, or require no treatment, and remit without sequelae. However, the use of this term is discouraged in the 2010 report because of new data revealing cognitive deficits in some of these conditions. (clarified concept)







The New Basic Classification

Based on 3 key features

- Where seizures begin in the brain
- Level of awareness during a seizure
- Other features of seizures

Defining Where Seizures Begin

The type of seizure onset affects choice of seizure medication, possibilities for epilepsy surgery, outlook, and possible causes.

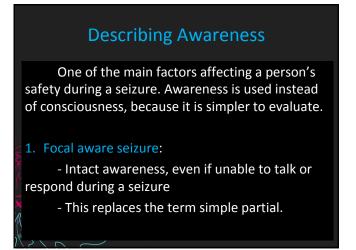
1. Focal seizures: Previously called partial seizures, these start in an area or network of cells on one side of the brain.

Defining Where Seizures Begin

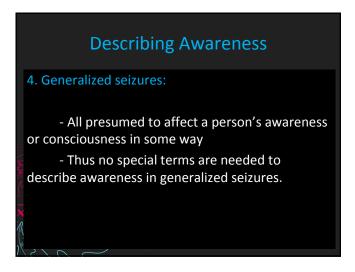
- 2. Generalized seizures: Previously called primary generalized
- Engage or involve networks on both sides of the brain at the onset.
- 3. Unknown onset
- Later on, the seizures type can be changed if the beginning of a person's seizures becomes clear.

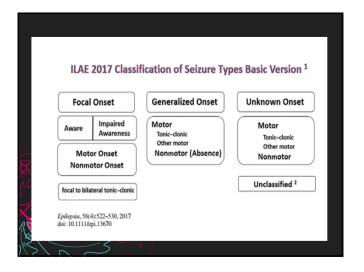
Defining Where Seizures Begin

- 4. Focal to bilateral seizure: Previously called partial seizures with secondary generalized seizures
- Now the term generalized refers only to the start of a seizure
- The new term for secondary generalized seizure would be a focal to bilateral seizure.









Describing Motor and Other Symptoms in Focal Seizures

1. Focal motor seizure

- Some type of movement occurs during the event eg., twitching, jerking, or stiffening movements of a body part or automatisms (automatic movements such as licking lips, rubbing hands, walking, or running)

Describing Motor and Other Symptoms in Focal Seizures

2. Focal non-motor seizure

- Has other symptoms that occur first, such as changes in sensation, emotions, thinking, or experiences.
- Also possible for a focal aware or impaired awareness seizure to be sub-classified as motor or non-motor onset.

Describing Motor and Other Symptoms in Focal Seizures

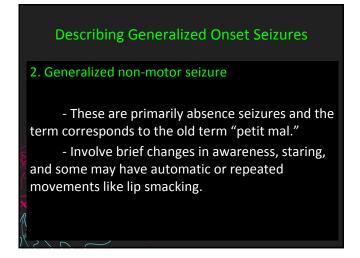
3. Auras

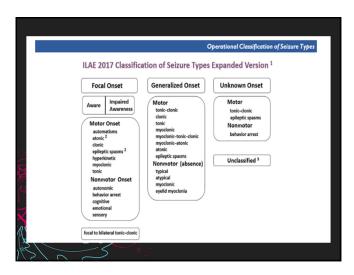
- The term aura to describe symptoms a person may feel in the beginning of a seizure is not in the new classification
- These early symptoms may be the start of a seizure.

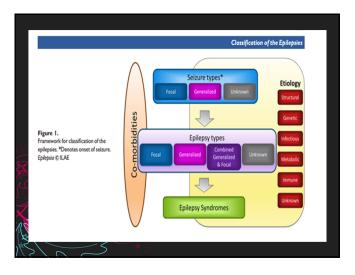
Describing Generalized Onset Seizures

1. Generalized motor seizure

- The generalized tonic-clonic seizure term is still used to describe seizures with stiffening (tonic) and jerking (clonic)
 - This loosely corresponds to "grand mal."
- Many of these terms have not changed and a few new terms have been added







Some other points

- The new classification is designed to have some flexibility. Use of other descriptive terms or even free text is encouraged.
- Most seizures can be classified by signs and symptoms that happen during a seizure.
 However, other information is useful when available: phone videos, EEG, MRI, and other brain imaging, blood tests, or gene tests.



