

LFCE

THE FRENCH SENTINEL NETWORK ON EPILEPSY-RELATED MORTALITY





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-Hospital 4 (13%) Institution 5 (17%) 50% Death during sleep 22 (76%) Clinical features suggestive of a recent seizure 11 (42%) Epileptic syndrom in SUDEP cases -4 (15%) had an idiopathic epilepsy, 11 (41%) a cryptogenic one and 10 (37%) a symptomatic epilepsy. 21% - Antiepileptic drugs (AED) in SUDEP cases -For 83% (n=24) of the SUDEP cases, seizure were not controlled by 7% AED and 42% of the SUDEP cases underwent a treatment modification in the past 3 months (N=11) 0 2-3 1 4 and + Figure 3 : Number of AEDs in SUDEP cases (N=28)

Figure 2 :<u>Causes of death</u> Autopsy: 8 / 26 SUDEP (31 %) of which 4 for forensic reasons

- DISCUSSION AND PERSPECTIVES -

The participation rate is not equally distributed throughout the country and, even in the regions participating in the network, only SUDEP are correctly reported. In addition, most of the deaths are notified by neurologists working in hospital. To increase the awareness health professionals (in particular private practitioners) and to improve completeness of deaths notification, an information campaign by the specialized medical press and the Website of the French league against Epilepsie were made (www.mortalite-epilepsie.fr) A leaflet presenting RSME's activities have been distributed to all French neurologists concerned by epilepsy. The data collected as part of this network can also carry out research projects related to mortality. Thus, the SUDEP cases recorded in the network are included in a case-control study to identify risk factors for SUDEP.

Founded in 2009, the network has now a national coverage – neurologists and pediatric neurologists - distributed throughout the country. The network is a discussion forum between health professionals involved in the care of patients with epilepsy but it is also a forum and resource for bereaved families. In the near future, the founding of a national psychologists network should permit in providing better support to bereaved families. The information gathered from the bereaved families will help us in providing advice and therapeutic education to patients and their families in order to reduce the risks of death associated with epilepsy. In the case of SUDEP, this point is crucial for physicians for whom there is a real dilemma between the duty to inform about the risk of SUDEP and the need to avoid increasing the anxiety of the patient and his family. Recent advances in the literature (8-15) help identify when the risk of SUDEP should be discussed. Interviews with families provide valuable elements in answering the two key questions: What is it? How should I speak about it?

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