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## Uncovering the value of autonomic signs and seizure detection in epilepsy care

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# STELLINGEN

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## Uncovering the value of autonomic signs and seizure detection in epilepsy care

- 1) Pacemaker therapy should be considered if conventional treatments fail to prevent seizures with ictal asystole, as syncopal falls are caused by cardioinhibition rather than vasodepression in most cases. (this thesis)
- 2) Accurate seizure detection does not guarantee successful device implementation as the latter also comprises contextual factors related to the family situation, such as parental coping, parental protective behavior towards a child with epilepsy and the time course of seizure frequency. (this thesis)
- 3) User-centered approaches with varying personalized algorithms and device settings are needed to optimize seizure detection device performance and implementation. (this thesis)
- 4) It is crucial not to lose sight of user needs in the complex and rapidly evolving field of seizure detection. (this thesis)
- 5) There is no disorder that is more frightening, more misunderstood, more misdiagnosed, or more mistreated than epilepsy. (dr. Orrin Devinsky)
- 6) Efforts to reduce SUDEP risk (sudden unexpected death in epilepsy) by improving nocturnal supervision must be balanced against each patient's right to independence and integrity, which can only be done on an individual basis. (dr. Torbjörn Tomson)
- 7) Large open seizure databases and research consortia containing lay associations are needed to facilitate rapid and efficient development of seizure detection devices. (dr. Sandór Beniczky, dr. Philippe Ryvlin)
- 8) Prediction of seizure-free periods in particular has the potential to improve quality of life and reduce the burden for people with epilepsy by granting freedom of action. (dr. Mark Cook)
- 9) The widespread mental health problems among PhD students are unacceptable and desperately call for comprehensive preventative measures promoting positive energizers.
- 10) It is time to break the taboo on reporting errors in research, since it is through our flaws that we find our power.
- 11) We should not burn our fingers on the hot topic of climate change by staying behind on vital changes to improve sustainability in health care, such as minimizing waste, using eco-friendly products, and investing in telemedicine.