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The future importance of audiological aspects in modern hearing systems

We all agree on one thing: hearing systems are currently at a very high technical level, delivering extremely high performance, which was unthinkable a few years ago. Bluetooth makes it possible to connect to a smartphone or television, without any difficulty and transmitting signals with high sound quality. This ranges from watching TV in the evening to making phone calls on the go. Another big step was li-ion battery technology. Many people are accustomed to regularly charging their smartphones. Now this is also possible with hearing systems where one charging will last for at least 16 hours including streaming, plus you do something for the environment. Of course, these technical solutions also contribute to better speech intelligibility. However, in the past two years, buzzwords such as streaming or rechargeable batteries have dominated the world of hearing systems among both acoustic professionals and end users. One should not forget that audiology is still the essential component in the provision of hearing systems.

In his presentation, Professor Kreikemeier will present detailed audiological aspects, such as signal processing strategies, artificial intelligence, and personalised audiology, that currently play a role in hearing systems. He will also focus on future concepts that will only be launched on the market in the near future.