



# Pressemitteilung

Kempen, 24.01.2020

## First European center for Deep Transcranial Magnetic stimulation in Parkinson's opened

*The Neuro-Center in Kempen, Germany - under the direction of chief physician Lars Wojtecki, MD, PhD - is a pioneer in the area of brain stimulation in Parkinson's patients. Kempen has been operating the first reference center for Deep TMS for Parkinson's in all of Europe since January.*

The human brain has 100 billion nerve cells and 100 trillion synapses. Many diseases such as Parkinson's and Alzheimer's but also Multiple Sclerosis, Stroke and Chronic Pain are associated with changes in this electrical brain network.

The latest medical methods can help to modulate and activate the network in a very targeted manner: This includes the so-called "transcranial magnetic stimulation (TMS)".

"With a special helmet design, we can now simultaneously stimulate from outside the skull deep and multiple brain regions that specifically play a role in Parkinson's. The helmet is specifically configured for this disease. We are proud to be able to use this new device as the first center in Europe for Parkinson's", says Lars Wojtecki. The next closest such reference center is in Israel.

Deep TMS has so far only been used e.g in Germany at a few locations: For example, with multiple sclerosis at the Charité in Berlin. The new system is also used in Alzheimer's dementia in Kempen.

Due to the close scientific connection of the chief physician to the University Clinic Düsseldorf (Institute for Clinical Neurosciences, working group "InterPHYS"), a number of other methods of neuromodulation are also offered and tested.

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The new treatment method is carried out in the specially designed Brain Stimulation Suite (see photo). The chief physician and his team inform those affected and their relatives at all times about treatment options for Parkinson's and other neurological diseases.

There will be a patient lecture on Parkinson's on Sunday, January 26th. in the Hospital, room 30 ground floor

### **Über das Hospital zum Heiligen Geist**

Das Hospital zum Heiligen Geist in Kempen ist ein 243-Betten-Haus im Herzen des Niederrheins. Hier sichert ein erfahrenes Ärzte- und Pfl egeteam mit hervorragender technischer Ausstattung nicht nur die gehobene Grund- und Regelversorgung der Bevölkerung, sondern erbringt auch medizinische Spitzenleistungen in ausgewählten Fachgebieten. Durch die Ausdifferenzierung einzelner Fachbereiche können auch Krankheitsbilder, die einen hohen Grad an Spezialisierung erfordern, auf qualitativ höchstem Niveau behandelt werden.

Das Hospital zum Heiligen Geist in Kempen ist Akademisches Lehrkrankenhaus der Heinrich-Heine-Universität Düsseldorf.

[www.krankenhaus-kempen.de](http://www.krankenhaus-kempen.de)

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