

PRESS RELEASE

Berlin, 30 June 2020

mediaire launches first in class AI-based diagnostic solution for diseases of the spinal cord

Diagnosis of degenerative and inflammatory diseases of the brain and spinal cord often rely on Magnetic Resonance Imaging (MRI). However, in contrast to the brain, detecting inflammatory lesions in the spinal cord is usually very challenging due to its small diameter, among other reasons.

mediaire, the developer of an AI-based software for image analysis, has now solved that issue and launched the new software-solution **mdspine**. First of its kind worldwide, **mdspine** analyses MR images of the spinal cord systematically and flags detected lesions to the radiologist. Moreover, it quantifies lesion count and volume. As such, an objective 2nd opinion is provided by the AI-system as it supports diagnostic accuracy. Getting the lesion count wrong could have therapeutic consequences for several diseases like Multiple Sclerosis (MS).

*“Since our foundation, mediaire’s aspiration has always been to provide radiologists with affordable, cutting-edge technology that can improve patient outcomes. **mdspine** definitely falls into this category. We are very proud to be the first company worldwide to be able to provide such an innovative medical product to radiologists. **mdspine** complements our **mdbrain**-portfolio, which focusses on brain diseases and has neglected the spinal cord until now,”* comments Dr. Andreas Lemke, CEO of mediaire.

Technical basis of this innovation are new AI-based algorithms using Deep Learning techniques. These allow more precise and faster image analysis. **mdbrain** complements the brain-focussed **mdbrain** product family. Well-known from **mdbrain** already, the analyses of **mdspine** will also be presented in a well-structured report, which is available in less than 5 min after image acquisition is completed.

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ABOUT mediaire GmbH

mediaire's mission is to improve the workflow of radiologists by more efficient quantitative image analysis.

Innovative software solutions powered by artificial intelligence (AI) enable us to analyse medical images in an increasing number of therapeutic areas and in a highly efficient way. Therefore, the complex and demanding daily routine of Radiologists with increasing workload will be supported and facilitated - to the benefit of their patients who experience an improved quality & speed of diagnostic and therapeutic procedures. With a fair pricing model, we also want to ensure that our customers do not have to make a trade-off between quality and costs.

mediaire was founded in 2018 in Berlin by Dr. Andreas Lemke and Dr. Jörg Döpfert – both physicists with a background in MRI physics. Despite its relatively short business life mediaire has already won a number of highly regarded competitions, including the GoogleCloud StartUp Pitch, the Science4Life Venture Cup, the Deep Tech Award and the German national competition „digital innovation“.

Since February 2020 mediaire ranked 2nd in the German StartUp-ranking across industries.

mediaire is officially certified as provider of medical products as per DIN EN ISO 13485:2016 which enables its products **mdbrain** and **mdspine** to be commercialized in Europe with a CE mark.

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