

PRESS RELEASE

Berlin, 26 May 2021

mediaire launches first in-class AI-based neuroradiological assistant with aneurysm detection

Magnetic Resonance Imaging (MRI) is one important pillar for the diagnosis and follow up of several brain diseases. In combination with modern computer systems and Artificial Intelligence (AI) quantitative MRI can help to improve patient outcomes. Surprisingly no commercial tools are available yet to help detecting aneurysms – an outward bulging of a blood vessel – which could rupture and lead to serious bleeding if not detected in time.

The Berlin-based software company mediaire has now solved this problem and is launching its new neuroradiological software solution **mdbrain** 4.0, an AI-based assistance system which, in addition to classic applications for dementia or MS diagnostics, for the first time also offers a tool for the fully automatic detection and measurement of aneurysms in the brain.

“We are particularly proud to be able to offer the world's first tool for fully automated, AI-based aneurysm detection, which provides treating physicians with important information for therapy planning. A ruptured aneurysm with subsequent brain haemorrhage can ultimately lead to severe neurological deficits and, in extreme cases, even death.” says Dr. Andreas Lemke, CEO of mediaire.

The technological basis of this innovation are new AI-based algorithms from the field of Deep Learning. For the new version of **mdbrain**, these were fundamentally revised for existing solutions such as lesion characterisation and completely redeveloped for new indication areas such as aneurysm detection. As already known from mediaire, all analyses are summarised in very clear reports and are available in less than 5 minutes. This noticeably reduces the workload of radiologists, referring neurologists and neurosurgeons appreciate the better quality of the diagnostic reports and ultimately improves the patient outcome.

mediaire GmbH

Möckernstraße 63 ♦ 10965 Berlin ♦ Germany

T. +49 30.286 490 67 ♦ F. +49 30.286 490 66 ♦ www.mediaire.de

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 product family md**brain** to be commercialized in Europe with a CE mark.

PRESS & MEDIA CONTACT

Dr. Jens Opalka

Fon: +49 30 2864 9067
Cell: +49 151 6161 2148
Email: j.opalka@mediaire.de

Upon publication we kindly ask to provide us with an electronic copy of your article.