

Information to the press (October 8th, 2015)

Providing reliable brain atrophy measurement for clinical routine in multiple sclerosis care

Biometrica MS®, a web-based image analysis service, is launched at ECTRIMS

With Biometrica MS® advanced computer tools are now becoming available for use in clinical routine through a quality controlled web-based service. Consequently, the wealth of information, such as cut-off values, as established in clinical research and phase II and III clinical trials, can readily be applied to Biometrica MS® results to benefit the evaluation of MS patients in everyday clinical care.

Brain volume loss as assessed by magnetic resonance (MR) imaging appears to be a marker of tissue damage reflecting the second major hallmark of multiple sclerosis (MS), which is neurodegeneration. Loss of brain tissue occurs in earliest disease stages and continues throughout. Quantification of brain volume loss requires acquisition of MR images, which are processed using advanced computer tools with rigorous quality control on each level: MRI protocol definition, data acquisition, image pre- and post-processing and data management. Until recently quantification of brain volume loss could only be performed reliably in controlled settings, such as clinical trials.

Biometrica MS® was developed by jung diagnostics in close collaboration with Prof. Sven Schippling and his team from the University of Zurich. Prof. Sven Schippling emphasizes “Assessment of the individual level of brain volume has the potential to add important information on the neurodegenerative component of the disease. Once assessed reliably it might in the future assist in individual patient monitoring.”

Dr. Lothar Spies, managing director of jung diagnostics, adds: “Tremendous effort has been spent to ensure that brain volume loss is measured reliably and robustly. We know from our own experience over the past years that providing such a service to clinical routine is not trivial. It requires constant adherence to strict quality measures.”

Biometrica MS® is a CE marked medical product.

More information on Biometrica MS® can be found on www.biometrica-ms.com.

For data transfer to jung diagnostics use the secure upload manager available at http://www.jung-diagnostics.de/eng/datentransfer_eng.php

Short company profile:

jung diagnostics GmbH (www.jung-diagnostics.com) with headquarters in Hamburg, Germany, is a pioneer in offering image analysis services to support diagnosis and therapy management in clinical routine. Biometrica MS® extends the company's portfolio of commercial image analysis services which the company has been offering for more than 6 years.

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