

Semi-Open Magnetocardiography Platform

Rethinking Diagnostics in Cardiology with Quantum Sensing & AI

Our Brand-New Semi-Open MCG Platform is the Game Changer in the (preventive) diagnostics of heart diseases. With highest precision, the procedure is contactless, non-invasive, free of side effects and takes only one minute to evaluate the patient's heart.

Our Vision For the Next 10 Years is to disrupt the future of precision medicine and drug development (beyond cardiology) with our [semi-open MCG platform strategy](#). This is how we will create enormous benefits for millions of patients every year worldwide.

Technology: Heart magnetic field measurements down to femto Tesla (10^{-15} T) with a previously unthinkable information content by using quantum sensors ([SQUID](#)).

Achievements by 2023 (*Patents pending):

- ... Worldwide unique analysis algorithmics and >8,000 MCG datasets from 20 years of research
- ... Global clinical and technological network
- ... Bmp's world novelties in 2022 and 2023:

- ... **A new method*** for accurately characterizing intracellular ionic currents now opens new dimensions in diagnostic sensitivity and specificity for cardiologists
- ... **Diagnosis of Myocarditis*** determined with a [specificity](#) of **95%**; [see paper Charité](#)
- ... **Sudden Cardiac Death Prognosis*** for patients with diagnosis myocardial infarction over 6.5 years determined with a [sensitivity](#) of **90.9%**; [see paper](#) based on [Yonsei](#) data)
- ... **Post-Covid Disease** determined with a sensitivity of **87.5%**; paper pilot study follows

Use of Funds From Series A and B 2024-27: Completion of the new MCG platform, accelerating progress along the [pipelines](#) with clinical trials to obtain FDA and EMEA approvals (U.S. & Europe) for the first six most important diagnostic scores.



Economic Potential

MCG will be a new gold standard in diagnostics. This means tens of thousands of platforms worldwide, just like MRI and CT.

New Investment Round

Preparation Series A from Jul 2023



<https://www.biomagnetik.com>