



The Healthcare Partner

PRESS RELEASE

## UMANA MEDICAL ANNOUNCES COLLABORATION WITH THE UNIVERSITY MEDICAL CENTER MAINZ AND BAYER TO EXPLORE A REAL-TIME CARDIAC REMOTE MONITORING DEVICE IN HEART FAILURE PATIENTS

Malta, July 8 2021

**Umana Medical**, a member of the **GPI Group**, announced today a collaboration with the Preventive Cardiology and Medical Prevention, Center of Cardiology at the **University Medical Center Mainz** and **Bayer AG** on a clinical study (MyoMobile study) to explore the UMANA T1 Heart Monitor - a novel real-time remote cardiac monitoring device - in patients with heart failure.

“The team at Umana Medical is excited by the opportunity to collaborate and work side-by-side with Bayer and the expert personnel at the University Medical Center of the Johannes Gutenberg University Mainz, one of the leading academic research institutes in Germany” - says **Adrian Attard Trevisan**, Co-founder and Managing Director of Umana Medical.

The MyoMobile study is a prospective, randomized study investigating the effect of a personalized mobile health intervention on the physical activity levels in patients with heart failure. The study is being conducted by the University Medical Center of the Johannes Gutenberg University Mainz and funded by Bayer.

“Exercise intolerance is a major symptom in heart failure, and physical inactivity contributes significantly to disease progression in affected patients”, says Univ.-Prof. Dr. **Philipp Wild**, Head of Preventive Cardiology und Medical Prevention and Head of Clinical Epidemiology and Systems Medicine, Center for Thrombosis and Hemostasis (CTH) at the University Medical Center Mainz. “We decided to take action and develop a mobile app that individually motivates patients to adopt an active lifestyle by providing recommendations in a simple, flexible, and interactive approach. The study will contribute to a better understanding of how a personalized app-based intervention affects quality of life, cardiovascular status, exercise capacity and molecular pathways relevant for the development and progression of the heart failure syndrome.”

The group in Mainz combines its comprehensive expertise in cardiovascular and systems medicine research with the application of wearables and apps. The app was developed together with IBM and a team of further experts from the Johannes Gutenberg University Mainz (Univ.-Prof. Dr. Matthias Michal, Professor at the Department of Psychosomatic Medicine and Psychotherapy, University Medical Center Mainz and Univ.-Prof. Dr. Dr. Perikles Simon, Professor at Institute for Sports Science, Johannes Gutenberg University Mainz).

The technology partners IBM, Umana Medical and McRoberts support this innovative project by providing cutting-edge electronic devices and applications for tracking study participants' health and activity status. The UMANA T1 Heart Monitor will be used for real-time remote monitoring of vital signs such as heart rhythm and rhythm abnormalities, blood pressure, and respiratory rate.

The T1 system is an Artificial Intelligence (AI) assisted telemonitoring system making use of a proprietary tattoo sensor, named “Smarter Skin”. The system allows medical professionals to effectively monitor

patients' vital signs without interfering with their day-to-day quality of life. The system was widely used across a number of countries during the pandemic to monitor patients diagnosed with Covid-19 from the comfort of their own homes during their observation period.

## GPI GROUP

GPI is the preferred partner for software, technologies and services for healthcare, social services and the public administration. Founded more than 30 years ago in Trento, GPI has grown through significant investments in M&A (in Italy and abroad) and R&D, which it carries out in partnership with leading Italian research centres and universities to share scientific, technological, functional and process knowledge applied to the e-health, e-welfare, well-being sectors.

Also drawing on the solutions and know-how gained from the companies that have joined its ecosystem, the Group has masterfully translated the needs of the healthcare industry into cutting-edge high-tech solutions and new service models that optimise prevention, diagnosis and care processes, improving people's lives.

The offer combines specialised IT expertise with advisory and design capabilities enabling it to operate in a range of business areas: Software, Care, Automation, ICT and Payment services.

The Company reported consolidated revenues of €271 million in 2020, with over 6,100 employees at year end and more than 2,400 customers in over 60 countries.

GPI was listed on Borsa Italiana in 2016 (AIM segment) and moved to the MTA market in 2018.

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## UNIVERSITY MEDICAL CENTER OF THE JOHANNES GUTENBERG UNIVERSITY MAINZ

The University Medical Center of the Johannes Gutenberg University Mainz is the only medical institution of supra-maximum supply in the German state of Rhineland-Palatinate and an internationally recognized science location. Medical and scientific specialists at 60 clinics, institutes and departments work interdisciplinarily to treat more than 350,000 patients per year. Highly specialized patient care, research and teaching are inseparably intertwined. Around 3,400 medicine and dentistry students as well as more than 600 future medical, commercial and technical professionals are trained in Mainz. With a workforce of approximately 8,500 colleagues the University Medical Center Mainz is one of the largest employers in the region and an important driver of growth and innovation. Find more information online at [www.unimedizin-mainz.de](http://www.unimedizin-mainz.de).

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