



The Healthcare Partner

COMUNICATO STAMPA

NANOTECHNOLOGY AT THE SERVICE OF SPORTS MEDICINE GPI AND UMANA TEST T1 SYSTEM DURING THE GIRO D'ITALIA 2020

Some professional cyclists and expert Bernardo Cortese participated in the tests

Milan, 26 October 2020

Umana Medical's "nanotechnological" patch is being tested within the area of sports medicine. Umana Medical is the Malta based company of **Gruppo Gpi**, a company that produces equipment which monitors vital parameters in a non-invasive manner. Some professional cyclists which have participated in the Giro d'Italia tried out the product, based on research and development by Maltese technologists, to monitor the physiological parameters during periods of intense physical activity. Gpi is eyeing the sports sector as one of potential development in the future.

In order to test the validity of the T1 solution, Dr **Bernardo Cortese**, a key opinion leader within the sector and director of the Cardiology Department within the San Carlo Paderno Dugnano hospital in Milan, and sports medicine expert, was asked to test the sensors. B. Braun, a global leader in the healthcare and medical device industry, also collaborated with this project.

After a trial with a team of amateur cyclists (De Rosa Team, coordinator Andrea Capelli) on Sunday 25th October, the system was applied to some athletes during the last leg of the Giro d'Italia 2020, the timed race that ended in Milan.

Umana's T1 system was used to constantly measure the parameters from the electrocardiogram, such as the frequency of the heartbeat, blood pressure, and other data, fundamental information for the coaches who have to lead a team, both on the racetrack as well as during training. The equipment is made up of a patch that gathers biochemical signs from the skin, and a little box which translates the signal in Bluetooth.

Antonio Colangelo, who leads Gpi's R&D department, observed: "The equipment which has been prepared by Umana will allow us to break into the interesting world of sports medicine, without forgetting the sector of chronic pathology. Within the cardiac sector, our system could become a complementary instrument to follow up with patients at home after being dismissed from hospital, so as to continue to monitor the parameters in a constant manner."

Finally, it's worth mentioning that this technology is currently proving to be a very useful and effective way to monitor and give effective treatment to patients with Covid-19.

GRUPPO GPI (GPI:IM)

Gpi is the reference partner for software, technologies, and services dedicated to Health, Society and Public Administration. Gpi, which started over 30 years ago in Trento, has grown thanks to a significant investment in M&A (in Italy and abroad) and in R&D, which is carried out in partnership with the main Italian universities and research centres with the aim to transfer scientific, technological and functional processes applied to the sectors of e-health, e-welfare, well-being.

Thanks to the solutions and the competencies obtained from the companies which are part of its ecosystem, the Group has managed to translate the requirements emerging from the health environment into cutting-edge technological solutions, and new service models which can optimize the prevention, diagnostic and treatment processes, improving people's quality of life.

The offer combines simple competences within IT and consultancy and project management which allow the group to operate in different business areas: Software, Care, Automation, ICT and Pay.

The Group has closed in 2019 with consolidated revenues equal to 240 million Euro, more than 5.300 employees and more than 2.200 clients in over 60 countries.

In 2016 Gpi entered the Italian Stock Exchange (AIM segment) and has gone onto the MTA market in 2018.

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This statement is available on www.gpi.it and www.1info.it

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