



Live from Everest: Vital Signs, Geolocation, and Video Conferencing

WiCis-Sports connects climbers in near-real-time to rescue teams and loved ones to provide telemedicine without limits

LAKE TAHOE, NV, US, April 12, 2017 /EINPresswire.com/ -- WiCis-Sports is making the practice of any activity from any distant or isolated location safer with a wearable technology platform that continuously monitors and shares a user's vital signs and geolocation data from quite literally the top of the world.

As part of the boundary-expanding Expedition #Everest17, which began on March 31st and which will culminate in summit attempts on Island Peak and Everest in mid-April and mid-May respectively, expedition leader Garrett Madison of Madison Mountaineering and WiCis-Sports' CEO Dr. Leo Montejo are wearing bluetooth-enabled monitors that are continuously tracking their heart rate, blood oxygen saturation, skin temperature, geolocation, altitude, speed and bearing as they climb the world's highest peak. The climbers' data is being transmitted in real-time via satellite to WiCis-Sports' IStreme internet platform using a Thuraya Sat-Sleeve+, where it can be viewed on a public dashboard.

In addition to the continuous stream of biometric and geolocation information, for the first time in the history of high-altitude mountaineering the climbers will be sharing updates and perspectives – and amazing views of the Himalayas – via live videoconferences on social media.

Links to both the live data stream and live videoconferences will be shared on Twitter: <http://twitter.com/wicissports>.

Monitor, Share, Protect

WiCis-Sports is also combining and analyzing vital signs data to provide ongoing snapshots of the climbers' overall health status. Serious – and even fatal – medical conditions such as edema, hypothermia and cardiac arrest can occur at high altitudes if climbers push themselves too hard and too far in the ultra-thin air. By continuously monitoring climbers for trends that may indicate they are at risk of developing these the conditions, medical teams located at base camp can intervene before a crisis emerges. Should an unforeseen medical or other emergency arise, rescue teams will have immediate access to the data needed to assess the climbers' conditions and their exact location to ensure more rapid and more targeted medical care.

As a further measure of protection for the climbers, OCENS is providing continuous pinpoint weather data and forecasts via their patented WeatherNet software. This information is displayed in real time on the WiCis-Sports dashboard and also on the WiCis-Sports Android App, which the climbers are using during the trek to stay in touch with base camp personnel and followers on social media.

Testing the Limits to Expand the Reach of Telemedicine

WiCis-Sports is testing real-time remote biometric monitoring in the farthest reaches of the planet and

under that harshest of conditions in order to expand the reliability and range of telemedicine solutions. In addition to the current trek on Everest, the company tested a range of wearable health monitoring devices in the Himalayas in March of 2016.

"We see a tremendous need among the traditional medical community and among military and first responders for proven tools they can use to assess and even treat patients who are beyond their physical reach. We're hoping our work in Nepal will help us extend the range and effectiveness of their care", says Dr. Montejo.

About WiCis-Sports: <http://wicis-sports.com>

Founded in 2011 by Harvard and Stanford anesthesiologist Dr. Leo Montejo (also founder of Picis), and in the Lake Tahoe area, the company's goal is to promote the use of mHealth and tracking devices to make adventure sports, the military, and rescue teams to make their missions safer and engage with their followers with real time data that is either private or also available to social medial platforms.

About Dr Leo Montejo

Dr. Leo Montejo has been designated the expedition doctor for Everest 2017 using the WiCis-Sports solution as a virtual health platform. He did his residency at Harvard in anesthesiology and critical care medicine, has been a Professor at Stanford in this specialty, and is an extreme sports enthusiast. Dr. Montejo has participated in three Himalayan expeditions.

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