

Title: TOLEPATI for COVID-19: Technological innovation at the service of the patient care

The Covid-19 pandemic highlighted the need for the use of innovative and technological tools that effectively implement the prevention, monitoring and treatment and to reduce the transmissibility, morbidity and mortality of Sars-Cov-2.

The TOLEPATI' APP is a digital platform for the administration of tests and/or screening protocols. TOLEPATI' delivers tests to registered users on smartphones, intercepting, through the analysis of the answers provided, the state of health and potential critical situations, while acquiring data from any connected medical device. The platform consists of a portal on which tests and data are administered and available for APP users to provide the test.

The APP administers a validated questionnaire useful for the assessment of dyspnea, which allows to measure the sensation of shortness of breath related to the fulfillment of common daily activities and tests for the detection of some essential data (arterial oxygen saturation, body temperature, respiratory rate, cough, heart rate). The characteristics of TOLEPATI' place it among the advanced technological support systems for the remote home management (Telemedicine) of COVID-19 patients by Primary Care with the following aims: 1) To Guarantee continuity of care remotely and support Primary Care ; 2) to contribute to the early identification of more severe patients who need hospitalization; 3) to collect clinical data that can be integrated with further biological, microbiological or immunological data from COVID-19 patients,

Referenti Scientifici: Dott. Giuseppe Insalaco, Dott.ssa Elisabetta Pace, Dott. Giovanni Pioggia, Dott. Giuseppe Biamonti.

Ditta Applicante: Medilink.

Ricercatori IRIB coinvolti

Dott. Salvatore Bucchieri, ricercatore Pneumologo IRIB-CNR

Dott.ssa Giuseppina Cuttitta, ricercatore Pneumologo IRIB-CNR

Dott. Mark Gjomarkaj, ricercatore Pneumologo IRIB-CNR

Dott. Giuseppe Insalaco, ricercatore Pneumologo IRIB-CNR

Dott.ssa Stefania La Grutta, ricercatore Pediatra (ambito respiratorio) IRIB-CNR

Dott.ssa Anna Lo Bue, ricercatore Neuropsichiatria Infantile (ambito respiratorio) IRIB-CNR

Dott.ssa Velia Malizia, ricercatore Pediatra (ambito respiratorio) IRIB-CNR

Dott.ssa Elisabetta Pace, ricercatore Pneumologo IRIB-CNR.

Dott. Giovanni Pioggia, ricercatore Ingegnere IRIB-CNR.

Dott.ssa Adriana Salvaggio, ricercatore Pneumologo IRIB-CNR

Dott.ssa Caren Uasuf, ricercatore Allergologo (ambito respiratorio) IRIB-CNR

Dott.ssa Liliana Ruta, ricercatore Neuropsichiatra infantile IRIB-CNR

Dott.ssa Flavia Marino, ricercatore Psicologo IRIB-CNR

Dott. Gennaro Tartarisco, ricercatore Ingegnere IRIB-CNR