

REMOTE MONITORING, A TOOL TO IMPROVE THE FOLLOW-UP OF CANCER PATIENTS.

16 December 2022, Brussels – For nearly six months now a number of nursing teams at the Jules Bordet Institute and their patients have been using a new remote monitoring system for a better follow-up of symptoms and side effects: Resilience. The aim of implementing this digital solution is to strengthen the link between healthcare professionals and patients while improving the quality of life and global survival of patients. Yet another step in improving patient care at the Jules Bordet Institute, a reference centre in the fight against cancer and a part of the Brussels University Hospital together with the Erasmus Hospital and the Children's Hospital.

Resilience, a remote monitoring solution for cancer patients

When following an orally administered cancer treatment, patients often face unpleasant side effects that have a direct impact on their quality of life. These side effects sometimes cause them to reduce or even discontinue their treatment. In the face of this problem, Resilience, a French start-up, has developed an innovative solution of the same name for patients and nurses. The positive impact of remote monitoring on patients following cancer treatment has been proven by studies including the CAPRI¹ study, showing in particular a 9.6% reduction in toxicities and of 1.62 hospitalisation days per patient per year among patients being treated with anticancer agents when they benefit from a remote monitoring programme. An improvement in their quality of life and global survival has also been established.

A tool to better understand and monitor symptoms

Specifically, the Resilience solution consists of a mobile application for patients and a remote monitoring tool for nurses. On one hand, every week the patient fills out a form evaluating side effects, via the application, smartphone or the Internet. On the other hand, the nursing teams have access, through their monitoring interface, to the completed questionnaire and previous evaluations. This enables them to monitor the evolution of symptoms and to be alerted immediately if they give cause for concern. This permits an early response to side effects without having to wait for the next medical consultation, as Ms Vanhee, a patient at the Institute and user of the Resilience application, explains: *"One day, after having filled out the form, I was contacted by my nurse. She asked me for more details of my symptoms and decided to prescribe physiotherapy sessions to help me manage my discomfort. It is very reassuring to have such a close follow-up,"* Patients also have access to a library of articles, videos and podcasts developed by some 30 specialists as well as support programmes to help them understand and relieve pain. A better understanding of symptoms and of side effects ensures a better follow-up and thus a reduced risk of relapse and better quality of life.

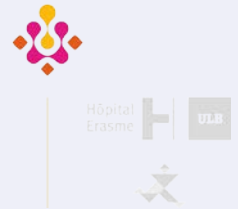
A tool to maintain the link with his patients

Launched at the Institute at the initiative of Doctor Polastro, oncologist at the Jules Bordet Institute, the platform is integrated in the tools already used by the doctors and nurses. The data collected can also be included in the patient's medical records, thereby allowing all the results to be effectively taken into account. Another benefit of this digital solution is that it makes it possible to maintain a link between the patient and the hospital at all times, thereby guaranteeing closer follow-up. This is why, at present, the application is only proposed to patients

¹ <https://www.gustaveroussy.fr/fr/asco-2020-le-dispositif-capri-prouve-son-efficacite-clinique-pour-le-tele-suivi-personnalise-des>

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beginning their cancer treatment with orally administered agents as this kind of treatment is autonomous and does not require the patient to come to the hospital. In such situations the link between the patient and nursing teams can become weak. As Nathalie Leclercq, coordination and cancer care nurse, explains: *"This solution does not replace medical monitoring through consultations but it is an additional means of remaining in contact with patients."* At present more than 100 patients have already joined the Resilience programme since it was launched at the hospital.

With this new technique, the Jules Bordet Institute, integrated reference centre in the fight against cancer and part of the Brussels University Hospital, is pursuing its mission to offer patients the latest innovations in patient care, making it possible to improve their follow-up and quality of life.

PRESS CONTACT

Press responsible : Alexandra Cazan
E-mail : alexandra.cazan@bordet.be
communication@hubruxelles.be
Tel : +32 (0)2 541 38 89
Mob : +32 (0) 493 16 74 79

Press officer : Gabrielle Vanhoudenhove
E-mail : gabrielle.vanhoudenhove@erasme.ulb.ac.be
communication@hubruxelles.be
Tel : +32 (0)2 555 83 95

ABOUT RESILIENCE

Resilience is a company with a mission that is reinventing the way we treat cancer thanks to digital techniques and remote medical monitoring. The company proposes a solution that addresses both patients and healthcare professionals.

With its mobile application, Resilience supports patients through a personalised monitoring of symptoms coupled with a library of reliable content created by renowned specialists and support programmes to better understand and relieve discomfort associated with treatment.

Via a software programme, Resilience makes available to nursing teams a complete solution to improve the remote monitoring of patients and to analyse health developments. This remote monitoring module and decision-making aid in oncology is a class IIa medical device.

Created in February 2021 by Céline Lazorthes and Jonathan Benhamou, Resilience was co-founded with the Gustave Roussy Institute, the number 1 European centre in the fight against cancer and number 3 cancer hospital worldwide, and benefits from a scientific committee of international renown.

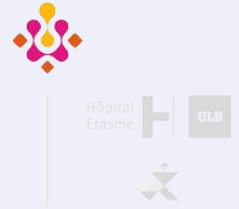
ABOUT THE JULES BORDET INSTITUTE

An integrated multidisciplinary centre, unique in Belgium, the Jules Bordet Institute is an autonomous hospital dedicated solely to cancerous diseases.

For the past 80 years the Jules Bordet Institute has been offering its patients diagnostic and treatment strategies at the forefront of progress to prevent, screen for and actively fight cancer. The Institute pursues three missions: care, research and teaching. The Institute's international reputation attracts leading experts in the field of cancer. Its spirit of innovation has enabled it to participate in developing and discovering major new diagnostic and treatment techniques with the aim of bringing the benefits to the patient's bedside as rapidly as possible.

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In May 2018, the Jules Bordet Institute was officially awarded, for the second time, OECI (Organisation of European Cancer Institutes) accreditation and certification as a "Comprehensive Cancer Centre", a quality label reserved for multidisciplinary cancer care institutions that include research and training. The Jules Bordet Institute is the only Comprehensive Cancer Centre accredited by the OECI in Belgium.

On 28 November 2021, the Jules Bordet Institute opened its new building on the ULB Anderlecht campus with facilities fully dedicated to leading edge cancer care and cancer research and training, as well as a well-being centre for patients. It offers 250 hospitalisation beds and 43 day hospitalisation beds.

The Jules Bordet Centre is also a part of the H.U.B, the Brussels University Hospital, which brings together the Erasmus Hospital, the Jules Bordet Institute and the HUDERF. This university hospital group of international renown guarantees, in particular thanks to these new investments, high quality care accessible to all and excellence in research and training.

www.bordet.be

ABOUT THE H.U.B

The Brussels University Hospital (H.U.B) brings together the Jules Bordet Institute, the Erasmus Hospital and the Queen Fabiola Children's University Hospital (HUDERF). Created in 2021 at the initiative of the City of Brussels and the Free University of Brussels (ULB), this major university hospital centre guarantees high quality healthcare accessible to all and excellence of training and research. The H.U.B has 1,420 hospitalisation beds and more than 6,000 staff, including 841 FTE doctors and 3,975 FTE non-medical staff. The H.U.B. aims to offer all its teams an attractive working environment in which they can realise their full potential with opportunities for training and professional development, while guaranteeing sustainability and financial viability. www.hubruxelles.be